

# Department of Mathematics and Statistics

## Colloquia and seminars archive to Jan 2024

### Wednesday 13 Dec 2023: Multifractal analysis of measures arising from random substitutions

Andrew Mitchell - University of Birmingham

Newman Purple 13:30-14:30

### Wednesday 13 Dec 2023: Emulating complex dynamical simulators with random Fourier features

Hossein Mohammadi - University of Exeter

Harrison 101 12:35-13:25

### Wednesday 06 Dec 2023: Searching for Signs of Planets and Life in the Light of Stars

Luan Ghezzi - Valongo Observatory, Federal University of Rio de Janeiro

Physics building, 4th floor 14:00-15:00

### Wednesday 06 Dec 2023: Number Theory and Algebra Seminar: Partition regularity of Pythagorean pairs

Oleksiy Klurman - University of Bristol

Newman Purple 14:30-15:30

### Wednesday 06 Dec 2023: Fourier transforms of fractal measures

Simon Baker - Loughborough University

Newman Purple 13:30-14:30

### Wednesday 06 Dec 2023: Spatio-temporal models in Ecology

Oscar Rodriguez De Rivera Ortega - University of Exeter

Harrison 101 12:35-13:25

**Tuesday 05 Dec 2023: A momentum budget study of the semi-annual oscillation**

**Aleena Moolakkunnel Jaison - University of Oxford**

Harrison 170 13:30-14:30

**Wednesday 29 Nov 2023: New Observations for Operational Weather Forecasting**

**Malcolm Kitchen - Honorary Professor at the Faculty of Environment, Science, Economy, University of Exeter**

Physics building, 4th floor 14:00-15:00

**Wednesday 29 Nov 2023: Distribution of resonances for Anosov maps**

**Julia Slipantschuk - University of Warwick**

Newman Purple 13:30-14:30

**Wednesday 29 Nov 2023: Propagating moments in probabilistic graphical models for decision support systems**

**Victoria Volodina - University of Exeter**

Harrison 101 12:35-13:25

**Tuesday 28 Nov 2023: Rotating Tank Demo**

**Regan Mudhar et al - University of Exeter**

Harrison 170 13:30-14:30

**Wednesday 22 Nov 2023: Modelling stellar activity to detect and characterise exoplanets**

**Baptiste Klein - University of Oxford**

Physics building, 4th floor 14:00-15:00

**Wednesday 22 Nov 2023: Algebra and Number Theory Seminar: Integral solutions of Generalized Fermat equations**

**Alex Best - King's College London**

Newman Purple 14:30-15:30

**Wednesday 22 Nov 2023: High-dimensional time series segmentation via factor-adjusted vector autoregressive modelling**

**Dr. Haeran Cho - University of Bristol**

Harrison 101 12:35-13:25

**Tuesday 21 Nov 2023: [Journal Club] - TBA**

**Shweta Dalal - University of Exeter**

4th floor interaction area 11:15-11:30

**Tuesday 21 Nov 2023: Resolved gravity waves in km-scale models: A stratospheric perspective**

**Inna Polichtchouk - ECMWF**

Harrison 170 13:30-14:30

**Monday 20 Nov 2023: Co-evolution of (Proto)Planets and Substructures in Disks**

**Haochang Jiang - ESO**

Physics building, 4th floor 14:00-15:00

**Friday 17 Nov 2023: EDI at the Royal Astronomical Society**

**Sheila Kanani - Royal Astronomical Society**

Queens LT1 12:30-13:30

**Wednesday 15 Nov 2023: Understanding complex oscillations in intracellular calcium dynamics**

**Vivien Kirk - University of Auckland**

Newman Purple 13:30-14:30

**Wednesday 15 Nov 2023: Algebra and Number Theory Seminar: Twisted Moments of Dirichlet L-functions in Function Fields**

**Joe MacMillan - Swansea University**

Newman Purple LT 14:30-15:30

**Tuesday 14 Nov 2023: The effects of binary companions on planet formation and evolution**

**Clemence Fontanive - University of Montreal**

Physics building, 4th floor 14:00-15:00

**Tuesday 14 Nov 2023: Compatible finite elements for terrain following meshes**

**Karina Kowalczyk - Imperial College London**

Harrison 170 13:30-14:30

**Friday 10 Nov 2023: Direct detection of cold exoplanets with JWST**

**Elisabeth Matthews - MPIA**

Physics building, 4th floor 14:00-15:00

**Thursday 09 Nov 2023: Invariance(s) of (un)averaged models of geophysical motion**

**Prof. Thomas Dubos - Laboratoire de Meteorologie Dynamique**

Harrison 170 13:30-14:30

**Wednesday 08 Nov 2023: Graceful Technical Writing**

**Scott Thomas - Cambridge University Press and Assessment**

Physics building, 4th floor 14:00-15:00

**Wednesday 08 Nov 2023: Exotic Symmetry in Network Dynamical Systems**

**Eddie Nijholt - Imperial College London**

Newman Purple 13:30-14:30

**Wednesday 08 Nov 2023: Algebra and Number Theory Seminar: High vanishing of twisted L-functions**

**Matthew Bissat - University of Bristol**

Newman Purple 14:30-15:30

**Wednesday 08 Nov 2023: Expert Prediction Markets for Climate Risks**

**Mark Roulston - University of Exeter**

Harrison 101 12:30-13:30

**Tuesday 07 Nov 2023: A balanced model of a hurricane vortex coupled to a boundary layer**

**Prof Bob Beare - University of Exeter**

Harrison 170 13:30-14:30

**Wednesday 01 Nov 2023: Diophantine approximation and dynamics of diagonal flow on homogeneous spaces**

**Seonhee Lim - Seoul National University**

Newman Purple 13:30-14:30

**Tuesday 31 Oct 2023: [Journal Club] - You'd best start believing in ghost stories**

**Tom Joshi-Cale - University of Exeter**

4th floor interaction area 11:15-11:45

**Tuesday 31 Oct 2023: Dynamics, number theory, and Brownian motion**

**Professor Seonhee Lim - Seoul National University**

Harrison 004 13:30-14:30

**Wednesday 25 Oct 2023: Detection of planetary signals in cases of extreme stellar activity**

**Oscar Barragan Villanueva - University of Oxford**

Physics building, 4th floor 14:00-15:00

**Wednesday 25 Oct 2023: Neuromodulation of Hippocampal Microcircuits: Some Modeling and Some Math**

**Emily Stone - University of Montana**

Newman Purple 13:30-14:30

**Tuesday 24 Oct 2023: [Journal Club] - When H<sub>2</sub>non Meets Jeans:  
Combining Different Techniques to Unveil the Dark Core of Globular  
Clusters**

**Eduardo Vitral - Space Telescope Science Institute**

4th floor interaction area 11:15-12:00

**Thursday 19 Oct 2023: Polar Vortices: Earth, Mars, and beyond**

**Prof. Darryn Waugh - Johns Hopkins University**

Harrison 203 13:30-14:30

**Wednesday 18 Oct 2023: Surfactant dynamics in confined domains**

**Oliver Jensen - University of Manchester**

Newman Purple 13:30-14:30

**Tuesday 17 Oct 2023: Dust on Mars: What We Know, What We Don't  
Know, and Why It Matters**

**Claire Newman - Aeolis Research**

Harrison 170 13:30-14:30

**Monday 16 Oct 2023: Decoding Exoplanet Personalities Big and Small while  
Inspiring the Next Generation**

**Nataliea Lawson - University of Southern Queensland**

Physics building, 4th floor 14:00-15:00

**Wednesday 11 Oct 2023: The origin of life and evolution, and a deep  
biological perspective on planetary crises**

**Daniel Duzdevich - Department of Chemistry, The University of Chicago and  
Freiburg Institute for Advanced Studies**

Laver LT3 14:00-15:00

**Wednesday 11 Oct 2023: Dense Forests Constructed from Grids**

**Victor Shirandami - University of Manchester**

Newman Purple 13:30-14:30

**Wednesday 11 Oct 2023: Algebra and Number Theory Seminar:  
Combinatorics on Number Walls and the  $p(t)$ -adic Littlewood Conjecture**

**Steven Robertson - University of Manchester**

Newman Purple LT 14:30-15:30

**Tuesday 10 Oct 2023: GAFD: Lightning Talks**

**All of us! - University of Exeter**

Harrison 170 13:30-14:30

**Tuesday 10 Oct 2023: [Journal Club] - DIY Interferometry: The story of how  
we built a working interferometer from bits of poles I bought online**

**Ollie Lewis - University of Exeter**

4th floor interaction area 11:15-11:45

**Wednesday 04 Oct 2023: Insights into neural oscillator network dynamics  
using a phase-isostable framework**

**Robert Allen - University of Bristol**

Newman Purple 13:00-14:30

**Tuesday 03 Oct 2023: The role of the hydrologic cycle in atmospheric heat  
transport: experiments and tracer diagnostics with Isca**

**Prof. Robert Fajber - McGill University**

Harrison 170 13:30-14:30

**Tuesday 03 Oct 2023: [Journal Club] - Shadowing and Spiral Arcs in the  
Protoplanetary Disc HD139614**

**Katie Milsom - University of Exeter**

4th floor interaction area 11:15-11:45

**Wednesday 27 Sep 2023: Title: The saddle-point solution for the general  
partition function**

**Madhuparna Das - University of Exeter**

Newman Purple 14:30-15:30

**Wednesday 13 Sep 2023: Astrophysics Seminar 2022 - 2023**

**Surangkha Rukdee - Max Planck Institute for extraterrestrial Physics**

Physics building, 4th floor 14:00-15:00

**Thursday 27 Jul 2023: Universality for  $\mathbb{R}^d$  flows**

**Shrey Sanadhya - Ben-Gurion University of the Negev**

Laver LT6 14:30-15:30

**Thursday 20 Jul 2023: Water escape at Mars: Results from NASA's MAVEN mission and lessons for maintaining planetary habitability.**

**Bethan Gregory - University of Colorado Boulder**

Physics Building, 4th Floor 14:00-15:00

**Wednesday 19 Jul 2023: Rotation and Convection: How the Coriolis Force Can Lead to Travelling Wave Convection**

**Bradley W. Hindman - University of Colorado Boulder**

4th floor Physics Building 14:00-15:00

**Thursday 29 Jun 2023: TBA**

**Martin Rasmussen - Imperial College London**

Harrison 103 14:30-15:30

**Friday 23 Jun 2023: Workshop on Diophantine Approximation, Dynamics, and Fractals**

**Various -**

Amory C417 09:00-17:00

**Thursday 22 Jun 2023: Workshop on Diophantine Approximation, Dynamics, and Fractals**

**Various -**

Amory C417 12:00-18:00

**Wednesday 21 Jun 2023: Understanding the structure of circumbinary discs**

**Anna Penzlin - Imperial College London**

Physics building, 4th floor 14:00-15:00

**Thursday 15 Jun 2023: Probabilistic predictions of SIS epidemics on networks based on population-level observations**

**Tanja Zerenner - University of Bristol**

LSI Seminar Room A 14:30-15:30

**Wednesday 14 Jun 2023: White dwarfs as probes of convective overshoot and evolved exoplanetary systems**

**Timothy Cunningham - Warwick University**

Physics building, 4th floor 14:00-15:00

**Tuesday 13 Jun 2023: Two computational challenges in atmospheric modelling**

**Eliad Bagherzadegan and John Thuburn -**

Harrison 004 14:30-15:30

**Thursday 08 Jun 2023: Interstellar Magnetic Fields: From Star Formation to Galaxy Evolution**

**Kate Pattle - UCL**

Physics building, 4th floor 14:00-15:00

**Thursday 08 Jun 2023: Limit Theorems with Clustering**

**Mike Todd - University of St Andrews**

Streatham Court Lecture Theatre A 14:30-15:30

**Tuesday 06 Jun 2023: Non-quasigeostrophic and non-adiabatic sources of upper tropospheric wave activity**

**Hung-I Lee - U. Chicago**

Harrison 004 (virtual presenter) 14:30-15:30

**Thursday 01 Jun 2023: Algebra and Number Theory Seminar: TBA**

**Christian Liedtke - TU Munich**

Harrison 004 14:30-15:30

**Thursday 01 Jun 2023: Rate-Induced Tipping to Metastable Zombie Fires**

**Eoin O'Sullivan - University College Cork**

LSI Seminar Room A 14:30-15:30

**Tuesday 30 May 2023: Modelling turbulent and drag processes in the atmosphere**

**Annelize Van Niekerk - ECMWF**

Harrison 004 14:30-15:30

**Thursday 25 May 2023: Modelling biofilms using thin-film approaches**

**John Ward - Loughborough University**

Harrison 170 14:30-15:30

**Wednesday 24 May 2023: Star Formation Down to the Cloud Scale**

**Thomas Williams - University of Oxford**

Physics building, 4th floor 14:00-15:00

**Tuesday 23 May 2023: Path integral formulation of stochastic processes: non-equilibrium reaction pathways, hyperdynamics, and enhanced sampling**

**Steve Fitzgerald - University of Leeds**

Harrison 209 14:30-15:30

**Tuesday 23 May 2023: Solving Oscillatory Problems with the Multi-level Parareal Method with Averaging**

**Juliane Rosemeier - University of Exeter**

Harrison 004 14:30-15:30

**Thursday 18 May 2023: A Decade of Black-Hole X-ray Binary Transients**

**Phil Charles - University of Southampton**

Physics building, 4th floor 14:00-15:00

**Thursday 18 May 2023: Algebra and Number Theory Seminar: TBA**

**Richard Crew - University of Florida**

Harrison 004 14:30-15:30

**Tuesday 16 May 2023: Exploiting Complication in Fluid Mechanics: Anisotropy, Inhomogeneity, and Non-normality in Canonical Flows New and Old**

**Jeff Oishi - Bates College**

Harrison 004 14:30-15:30

**Friday 12 May 2023: Exoplanets and the Road to the Radius Gap**

**James Rogers - UCLA**

Physics Building 4th Floor 14:00-15:00

**Friday 12 May 2023: Using maths e.g. as a learning resource**

**Martin Greenhow - Brunel University**

Harrison 004 14:30-15:30

**Thursday 11 May 2023: Max-and-Smooth: A two-step approach for approximate Bayesian inference in latent Gaussian models with a multivariate link function -- with applications in forecasting on a grid and spatial flood frequency analysis**

**Birgir Hrafnkelsson - University of Iceland**

Harrison 203 14:30-15:30

**Wednesday 10 May 2023: Exoplanetary Atmospheres in Non-Local Thermodynamic Equilibrium**

**Mitchell Young - University of Oxford**

Physics building, 4th floor 14:00-15:00

**Tuesday 09 May 2023: Zonostrophic instability of a randomly forced wave**

**Chen Wang - University of Exeter**

Harrison 004 14:30-15:30

**Thursday 04 May 2023: Algebra and Number Theory Seminar: Counting rationals and diophantine approximation on fractals**

**Sam Chow - Warwick**

Harrison 004 14:30-15:30

**Wednesday 03 May 2023: Title: The inner astronomical unit of protoplanetary disks with optical interferometry**

**Aaron Labdon - ESO Chile**

Physics building, 4th floor 14:00-15:00

**Wednesday 26 Apr 2023: Towards an Understanding of Impossible Planets Or: How I learned to stop worrying and love data analysis**

**Michael Radica - University of Montreal**

Physics building, 4th floor 14:00-15:00

**Tuesday 25 Apr 2023: Detecting tipping points in systems with spatial structure: applications to the asthmatic lung**

**Graham Donovan - University of Auckland**

Harrison 101 11:00-12:00

**Friday 21 Apr 2023: Solving Oscillatory Problems with the Multi-level Parareal Method with Averaging**

**Juliane Rosemeier - University of Exeter**

Harrison 004 14:30-15:30

**Wednesday 19 Apr 2023: Is the demise of Arctic sea ice disrupting our weather?**

**Professor James Screen - University of Exeter**

Lecture Theatre D Streatham Court 13:30-14:30

**Tuesday 18 Apr 2023: Uncertainty Quantification near Stochastically Perturbed Limit Cycles and Tori Using COCO-Compatible Boundary-Value Problems**

**Harry Dankowicz - University of Illinois, Urbana-Champaign**

Laver LT6 14:30-15:30

**Thursday 30 Mar 2023: Another view of Ferrero-Washington Theorem**

**Jungwon Lee - University of Warwick**

Harrison 101 14:30-15:30

**Thursday 30 Mar 2023: Algebra and Number Theory Seminar: Random matrix theory and moments of moments of L-functions.**

**Mr. Chris Best - University of Exeter**

Harrison 101 15:30-16:30

**Thursday 30 Mar 2023: Using mathematical and statistical modelling to understand and predict in epidemiological systems**

**Ben Lambert - University of Exeter**

Harrison 203 14:30-15:30

**Wednesday 29 Mar 2023: Towards multidimensional inferences of exoplanet atmospheres with JWST**

**David Grant - University of Bristol**

Physics building, 4th floor 14:00-15:00

**Tuesday 28 Mar 2023: A dynamical systems approach to atmospheric dynamics and thermodynamics**

**Prof. Maarten Ambaum - University of Reading**

Harrison 107 14:30-15:30

**Friday 24 Mar 2023: Through a Mirror, Earthly: Solaris, Gaia, and the Search for Habitable Worlds**

**Emma Puranen - University of St Andrews**

Newman Purple LT, Streatham Campus 15:00-16:30

**Friday 24 Mar 2023: Primes and patterns of zeros of the Riemann Zeta function**

**Professor James Maynard - University of Oxford**

Amory C501 14:30-16:30

**Thursday 23 Mar 2023: Algebra and Number Theory Seminar: A problem of Erdos-Graham-Granville-Selfridge on integral points on hyperelliptic curves**

**Dr Kyle Pratt - University of Oxford**

Harrison 203 14:30-16:30

**Thursday 23 Mar 2023: Simulation of stochastic differential equations driven by a Levy process**

**Ian Melbourne - University of Warwick**

Harrison 101 14:30-15:30

**Tuesday 21 Mar 2023: [Journal Club] - On the frequencies of circumbinary discs in protostellar systems**

**Dan ELsender - University of Exeter**

4th Floor interaction area 11:15-11:45

**Thursday 16 Mar 2023: Travelling pulses in time-delay systems**

**Stefan Ruschel - Northumbria University**

Harrison 101 14:30-15:30

**Wednesday 15 Mar 2023: Observability of short-period rocky exoplanets**

**Yamila Miguel - Leiden University**

Physics building, 4th floor 14:00-15:00

**Tuesday 14 Mar 2023: Destabilization of transverse waves by periodic shear flows**

**Dr Adrian Fraser - University of Colorado, Boulder**

Harrison 170 14:30-15:30

**Tuesday 14 Mar 2023: ChatGPT: use amongst students and academics**

**Michelle Bieger - University of Exeter**

4th Floor interaction area 11:15-11:45

**Wednesday 08 Mar 2023: Multi-scale, multi-wavelength observations of high-mass star-forming regions**

Paul Boley -

Physics building, 4th floor 14:00-15:00

**Tuesday 07 Mar 2023: Dynamic turbulence modelling for high-fidelity weather forecasts.**

George Efstathiou - University of Exeter

Harrison 170 14:30-15:30

**Tuesday 07 Mar 2023: [Journal Club] - The longitudinal, line-of-sight magnetic flux as a proxy for stellar activity**

Federica Rescigno - University of Exeter

4th Floor interaction area 11:15-11:45

**Friday 03 Mar 2023: Structures of Star Clusters & Fingerprints of Formation Mechanisms**

Rebecka Arnold - Keele University

Physics building, 4th floor 14:00-15:00

**Friday 03 Mar 2023: Quantum optics and quantum thermodynamics with semiconductor quantum dots**

Pascale Senellart-Mardon - Universit $\diamond$  Paris-Saclay

Newman Red 12:30-13:30

**Friday 03 Mar 2023: Quantum optics and quantum thermodynamics with semiconductor quantum dots**

Pascale Senellart-Mardon - Universit $\diamond$  Paris Saclay

Newman Red 12:30-13:30

**Thursday 02 Mar 2023: Spectral approximation of evolution operators using dynamical mode decomposition**

Oscar Bandtlow - Queen Mary University of London

Harrison 101 14:30-15:30

**Thursday 02 Mar 2023: [Journal Club] - TBA**

**Ben Lakeland - University of Exeter**

4th Floor interaction area 11:15-11:45

**Thursday 02 Mar 2023: A robust and scalable approach to Bayesian doubly-intractable problems**

**Francois-Xavier Briol - UCL**

Harrison 203 14:30-15:30

**Friday 24 Feb 2023: Analysis of viability in simple models for vector-borne disease**

**Peter Rashkov - Bulgarian Academy of Sciences**

LSI Boardroom 12:30-13:30

**Thursday 23 Feb 2023: Number Theory and Algebra Seminar: Homomorphisms of maximal  $m$ -Step solvable Galois group of Number Fields**

**Alberto Corato - University of Exeter**

Harrison 203 14:30-16:30

**Wednesday 22 Feb 2023: The origin and evolution of close-in exoplanets**

**James Owen - Imperial College**

Physics building, 4th floor 14:00-15:00

**Tuesday 21 Feb 2023: [Journal Club] - TBA**

**Tyler Gardner - University of Exeter**

4th Floor interaction area 11:15-11:45

**Thursday 16 Feb 2023: Algebra and Number Theory Seminar: Applications of representation theory and of explicit units to Leopoldt's conjecture**

**Dr Fabio Ferri - University of Exeter**

Harrison 101 15:30-16:30

**Wednesday 15 Feb 2023: Towards earth-analogue planets**

**Chris Watson - Queens University Belfast**

Physics building, 4th floor 14:00-15:00

**Tuesday 14 Feb 2023: [Journal Club] - My America Travels**

**Issy Codron - University of Exeter**

4th Floor interaction area 11:15-11:45

**Friday 10 Feb 2023: Magnetospheric dynamics and auroras at the outer planets and exoplanets**

**Johnathan Nichols - University of Leicester**

Newman Red 12:30-13:30

**Thursday 09 Feb 2023: Asteroseismology of depressed stars: from science to art**

**Arthur Le Saux + Leo Fourdriner -**

Physics building, 4th floor 11:00-12:00

**Thursday 09 Feb 2023: Coupled oscillations of active filaments**

**Eric Keaveny - Imperial College London**

Harrison 101 14:30-15:30

**Thursday 09 Feb 2023: Number Theory and Algebra Seminar: Bi-braces and connections to private-key cryptography**

**Dr Roberto Civino - Universit  degli Studi dell'Aquila**

Harrison 203 14:30-16:30

**Wednesday 08 Feb 2023: Data driven parameterization of gravity wave momentum transport: A 1-D Quasi Biennial Oscillation model testbed**

**Prof. Ed Gerber - Courant Institute - New York University**

Harrison 103 14:30-15:30

**Thursday 02 Feb 2023: Bifurcation Analysis of Twisted States in Phase Oscillator Networks.**

**Tobias Böhlle - VU Amsterdam**

Harrison 101 14:30-15:30

**Thursday 02 Feb 2023: Number Theory and Algebra Seminar: Lawrence-Venkatesh bounds for curves in families**

**Dr Alex Torzewski - King's College London**

Harrison 101 15:30-16:30

**Thursday 02 Feb 2023: How Bayesian statistics revolutionised archaeological chronology construction, and where we might go next ...**

**Bryony Moody - University of Sheffield**

Harrison 203 14:30-15:30

**Tuesday 31 Jan 2023: The magnetic Kelvin-Helmholtz instability, radiative mixing layers and the cooling of the solar corona**

**Andrew Hillier - University of Exeter**

Harrison 170 14:30-15:30

**Friday 27 Jan 2023: How to detect Cosmic Neutrinos?**

**Martin Bauer - Durham University**

Newman Red 12:30-13:30

**Thursday 26 Jan 2023: Number Theory and Algebra Seminar: Parity of ranks of abelian surface**

**Dr Celine Maistret - University of Bristol**

Harrison 203 15:30-16:30

**Thursday 26 Jan 2023: More refined multifractal spectra for Bedford McMullen carpets**

**Alec Chamberlain Cann - University of Bristol**

Harrison 101 14:30-15:30

**Wednesday 25 Jan 2023: The fingerprint of stellar rotation on the colour-magnitude diagrams of young star clusters**

**Sebastian Kamann - Liverpool John Moores University**

Physics building, 4th floor 14:00-15:00

**Tuesday 24 Jan 2023: Processes controlling year to year variability in the tropical lower stratosphere**

**Dr Alison Ming - University of Cambridge**

Harrison 170 14:30-15:30

**Tuesday 24 Jan 2023: [Journal Club] - 2022: A Year of Fire and Ice**

**Ollie Lewis - University of Exeter**

4th floor interaction area 11:15-11:45

**Thursday 19 Jan 2023: Amplitude and frequency variation in stimulated glycemc rhythms**

**Benoit Huard - Northumbria University**

Harrison 101 14:30-15:30

**Tuesday 17 Jan 2023: Some interesting problems in dynamo theory**

**Professor Steve Tobias - University of Leeds**

Harrison 170 14:30-15:30

**Wednesday 11 Jan 2023: Early Release Science: Exoplanet transit spectroscopy through the eyes of JWST**

**Eva-Maria Ahrer - University of Warwick**

Physics building, 4th floor 14:00-15:00

**Thursday 15 Dec 2022: Number Theory and Algebra Seminar: Integral representation theory and the topology of 2-complexes**

**Dr John Nicholson - Imperial College**

Harrison 203 14:30-16:30

**Thursday 15 Dec 2022: Analytical properties of real-valued functions through continuum trees**

**Sascha Troscheit - University of Oulu**

Harrison 103 14:30-15:30

**Thursday 08 Dec 2022: Number Theory and Algebra Seminar: Upper bounds for Leopoldt's and Gross's defects associated with number fields**

**Dr Alexandre Maksoud - University of Luxembourg**

Harrison 103 15:30-16:30

**Thursday 08 Dec 2022: Delayed feedback control of periodic orbits in systems with unconventional symmetries**

**Babette de Wolff - VU Amsterdam**

Harrison 103 14:30-15:30

**Thursday 08 Dec 2022: Thinking About the Bullwhip Effect**

**Chaitra H. Nagaraja - University of Exeter**

Harrison 203 14:30-15:30

**Wednesday 07 Dec 2022: CANCELLED (The origins of planetary chemical diversity)**

**Mihkel Kama - UCL**

Physics building, 4th floor 14:00-15:00

**Tuesday 06 Dec 2022: [Journal Club] - TBA**

**Jack Morton - University of Exeter**

Physics building, 4th Floor 11:15-11:45

**Thursday 01 Dec 2022: Pure Mathematics Seminar: Lion and Man**

**Prof. Imre Leader - University of Cambridge**

Harrison 203 14:30-16:30

**Thursday 01 Dec 2022: Transcendental entire functions with Cantor bouquet  
Julia sets**

**Leticia Pardo-Simon - University of Manchester**

**Harrison 103 15:30-16:30**

**Wednesday 30 Nov 2022: Interaction between fast tides and convection with  
application to giant planets and solar type stars**

**Caroline Terquem - University of Oxford**

**Physics building, 4th floor 14:00-15:00**

**Wednesday 30 Nov 2022: Robin Chapman Lecture: Clueless Voting**

**Prof. Imre Leader - University of Cambridge**

**Harrison 004 14:30-16:30**

**Tuesday 29 Nov 2022: Unconventional ways of modelling the atmosphere:  
convection, advection and adaptivity**

**Hilary Weller - University of Reading**

**Harrison 170 14:30-15:30**

**Tuesday 29 Nov 2022: [Journal Club] - TBA**

**Mark Oosterloo - University of Groningen**

**Physics building, 4th Floor 11:15-11:45**

**Friday 25 Nov 2022: Four geometrical-optics illusions**

**Michael Berry - University of Bristol**

**Newman Red 12:30-13:30**

**Wednesday 23 Nov 2022: From extraterrestrial dust to the evolution of  
planetary systems - the cosmic story of Gaea and Helios**

**Leen Decin - KU Leuven**

**Physics building, 4th floor 14:00-15:00**

**Tuesday 22 Nov 2022: Global field generation by helicities on the basis of analytical theory of inhomogeneous turbulence**

**Nobumitsu Yokoi - Institute of Industrial Science, University of Tokyo**

**Harrison 170 14:30-15:30**

**Tuesday 22 Nov 2022: [Journal Club] - TBA**

**Katie Milsom -**

**Physics building, 4th Floor 11:15-11:45**

**Thursday 17 Nov 2022: Number Theory and Algebra Seminar: Overconvergent prismatic cohomology**

**Prof. Andreas Langer - University of Exeter**

**Harrison 203 14:30-16:30**

**Thursday 17 Nov 2022: Random Young towers and quenched decay of correlations for randomly perturbed Lorenz systems**

**Andrew Larkin - Loughborough University**

**Harrison 103 14:30-15:30**

**Wednesday 16 Nov 2022: On the importance of chemical data for warm exoplanet atmospheres**

**Olivia Venot - CNRS Paris**

**Physics building, 4th floor 14:00-15:00**

**Tuesday 15 Nov 2022: Collisional ionisation, recombination and ionisation potential in two-fluid shocks**

**Ben Snow - University of Exeter**

**Harrison 170 14:30-15:30**

**Tuesday 15 Nov 2022: [Journal Club] - TBA**

**Claire Davies - University of Exeter**

**Physics building, 4th Floor 11:15-11:45**

**Thursday 10 Nov 2022: Hearing through vibration on the skin**

**Mark Fletcher - University of Southampton**

Harrison 103 12:30-14:30

**Wednesday 09 Nov 2022: First steps of planet formation in the ALMA and JWST era**

**Paola Pinilla - MSSL/UCL**

Physics building, 4th floor 14:00-15:00

**Tuesday 08 Nov 2022: Climate Variability across the Solar System and Beyond**

**Michael Battalio - Yale University**

Harrison 170 14:30-15:30

**Tuesday 08 Nov 2022: [Journal Club] - Haze Archean**

**Martha Mak - University of Exeter**

Physics building, 4th Floor 11:15-11:45

**Friday 04 Nov 2022: Breaking classical imaging limits with entangled photons**

**Hugo Defienne - Sorbonne University**

Newman Red 12:30-13:30

**Thursday 03 Nov 2022: Equidistribution from self-conformal measures**

**Alexi Pyorala - University of Oulu**

Harrison 103 15:30-16:30

**Wednesday 02 Nov 2022: Driven Turbulence using Discontinuous Galerkin Hydrodynamics on GPUs**

**Miha Cernetic - MPA Garching**

Physics building, 4th floor 14:00-15:00

**Tuesday 01 Nov 2022: Joint internal seminar**

**John Thuburn and Tim Andrews - University of Exeter**

Harrison 170 14:30-15:30

**Wednesday 26 Oct 2022: Simultaneous radial velocity and magnetic field measurements from intensity spectra**

**Florian Lienhard - University of Cambridge**

Physics building, 4th floor 14:00-15:00

**Tuesday 25 Oct 2022: Combining physics and machine learning in the turbulence-convection parameterization of the CliMA climate model**

**Yair Cohen - Climate Modeling Alliance, California Institute of Technology**

Harrison 170 14:30-15:30

**Thursday 20 Oct 2022:  $L^q$ -spectra of self-affine measures: closed forms, counterexamples, and split binomial sums**

**Lawrence Lee - University of Manchester**

Harrison 215 11:30-12:30

**Wednesday 19 Oct 2022: A Decade of Black-Hole X-ray Binary Transients**

**Phil Charles - University of Southampton**

Physics building, 4th floor 14:00-15:00

**Tuesday 18 Oct 2022: The limits of beta-plane turbulence**

**Richard Scott - University of St Andrews**

Harrison 170 14:30-15:30

**Thursday 13 Oct 2022: Number Theory and Algebra Seminar: A1-homotopy theory of log schemes**

**Doosung Park - University of Wuppertal**

Harrison 103 15:30-16:30

**Thursday 13 Oct 2022: Bayes linear emulation and history matching of a stochastic agent-based model for the transmission of Covid-19**

**Jonathan Owen - University of Leeds**

Harrison 203 14:30-15:30

**Tuesday 11 Oct 2022: A multiannual record of convective instability in Mars's middle atmosphere**

**Nick Heavens -**

Harrison 170 14:30-15:30

**Tuesday 11 Oct 2022: A multiannual record of convective instability in Mars's middle atmosphere**

**Nicholas Heavens - Space Science Institute**

Harrison 170 14:30-15:30

**Friday 07 Oct 2022: Polarization textures of light**

**Sonja Franke-Arnold - University of Glasgow**

Newman Red 12:30-13:30

**Thursday 06 Oct 2022: Number Theory and Algebra Seminar: On subconvexity, moments and a problem in functional analysis**

**Kevin Smith - University of Exeter**

Harrison 203 14:30-16:30

**Thursday 06 Oct 2022: Thermodynamics of smooth models of pseudo-Anosov homeomorphisms**

**Dominic Veconi - International Centre for Theoretical Physics (Trieste, Italy)**

Harrison 103 14:30-15:30

**Wednesday 05 Oct 2022: The Earth: evolution of a habitable planet**

**Andrew Watson - University of Exeter**

LSI Room B ? 14:00-15:00

**Tuesday 04 Oct 2022: Spurious Forces Can Dominate the Vorticity Budget of Ocean Gyres on the C-Grid**

**Andrew Styles - University of Oxford**

Harrison 170 14:30-15:30

**Thursday 29 Sep 2022: [Journal Club] - How does stellar feedback in star-forming regions depend on environment?**

**Ahmad Ali - University of Exeter**

4th floor interaction area 11:00-11:45

**Thursday 29 Sep 2022: Remarks about inhomogeneous pair correlations**

**Felipe Ramirez - Wesleyan**

Harrison 103 14:30-15:30

**Wednesday 28 Sep 2022: Dust dynamics and evolution in the ALMA era**

**Richard Booth - Imperial College London**

Physics building, 4th floor 13:30-14:30

**Wednesday 21 Sep 2022: Applying Photometric (SED) Fitting to Exoplanet Host Characterisation**

**Sam Morrell - University of Exeter**

Physics building, 4th floor 14:00-15:00

**Friday 09 Sep 2022: Investigating non-linear dependencies in the climate system**

**Felix Strnad - University of Tübingen**

Laver LT3 13:30-15:00

**Thursday 30 Jun 2022: [Journal Club] - TBA**

**Jake Eager -**

4th floor interaction area 11:15-11:45

**Wednesday 29 Jun 2022: The role of structural effects on the stellar dynamo evolution**

**Diego Lorenzo-Oliveira - University of Sao Paulo**

4th Floor Physic + remote 14:00-15:00

**Tuesday 28 Jun 2022: Systems-Mechanobiology of Health and Disease**

**Fabian Spill - University of Birmingham**

Amory C501 13:30-14:30

**Thursday 23 Jun 2022: [Journal Club] - TBA**

**Ollie Lewis - University of Exeter**

4th floor interaction are 11:15-11:45

**Wednesday 22 Jun 2022: Detection of exoplanets with high-precision radial velocities.**

**Alejandro Suarez Mascareno - Instituto de Astrofisica de Canarias**

4th Floor Physics + remote 14:00-15:00

**Tuesday 21 Jun 2022: Emerging hiPSC-derived neuronal models for studying the functional phenotype of neurodevelopmental disorders**

**Mouhamed Alsaqati - University of Cardiff**

LSI Seminar Room A 13:30-14:30

**Wednesday 15 Jun 2022: Evolution in the Dusty ISM Across the Local Group**

**Christopher Clark - Space Telescope Science Institute**

4th Floor Physics + remote 16:00-17:00

**Tuesday 07 Jun 2022: Lyapunov dimension and self-affine sets**

**Thomas Jordan - University of Bristol**

LSI Seminar Room B 13:30-14:30

**Wednesday 01 Jun 2022: So many Suns, so many Earths? From discs and dust to pebbles, planetesimals, planets and people**

**Sebastiaan Krijt - University of Exeter**

Building:One Constantine Leventis Teaching Room + remote 14:00-15:00

**Thursday 26 May 2022: [Journal Club] - TBD**

**Claire Davies -**

4th floor interaction area 11:15-11:45

**Thursday 26 May 2022: A comparison of spatio-temporal patterns in seasonal flu and COVID 19 in a rural US state.**

**Emily Stone - University of Montana**

Queens LT2 13:30-14:30

**Wednesday 25 May 2022: Gaussian processes and physical stellar properties**

**Belinda Nicholson -**

4th Floor Physics + remote 14:00-15:00

**Tuesday 24 May 2022: Wandering domains in transcendental dynamics: topology and dynamics**

**David Marti-Pete - University of Liverpool**

LSI Seminar Room B 13:30-14:30

**Thursday 19 May 2022: [Journal Club] - Examining Hot-Jupiter WASP-79b with Retrievals and Forward Models**

**Michelle Bieger - University of Exeter**

4th floor interaction area 11:15-11:45

**Wednesday 18 May 2022: Gaian models of regulation**

**Arwen Nicholson -**

4th Floor Physics + remote 14:00-15:00

**Tuesday 10 May 2022: Mathematical modelling to understand microbial behaviour and advance novel treatments for bacterial infections**

**Sara Jabbari - University of Birmingham**

Harrison 101 13:30-14:30

**Thursday 05 May 2022: Algebra and Number Theory Seminar: On Ozaki's Theorem**

**Prof. Ravi Ramakrishna - Cornell University**

Harrison 203 14:30-15:30

**Thursday 05 May 2022: [Journal Club] - The impact of stellar feedback processes on star formation and the ISM**

Ahmad Ali -

4th floor interaction area 11:15-11:45

**Tuesday 03 May 2022: A dynamical systems' perspective on Data Assimilation: accuracy and asymptotic stability in finite and infinite dimensional problems**

**Jochen Broecker - University of Reading**

LSI Seminar Room B 13:30-14:30

**Friday 29 Apr 2022: The Sharpest Eyes on the Sky - Towards a Coherent Vision for High Angular Resolution Astronomy**

Various speakers -

University of Exeter and Online 09:00-18:00

**Thursday 28 Apr 2022: The Sharpest Eyes on the Sky - Towards a Coherent Vision for High Angular Resolution Astronomy**

Various speakers -

University of Exeter and Online 09:00-18:00

**Thursday 28 Apr 2022: [Journal Club] - Varying the internal heat flux of tidally locked gas giant planets**

Simon Lance -

4th floor interaction area 11:15-11:45

**Wednesday 27 Apr 2022: Convective Blueshift of F, G, and K stars**

Shweta Dalal -

4th Floor physics + remote 14:00-15:00

**Wednesday 27 Apr 2022: The Sharpest Eyes on the Sky - Towards a Coherent Vision for High Angular Resolution Astronomy**

Various speakers -

University of Exeter and Online 09:00-18:00

**Tuesday 26 Apr 2022: The Sharpest Eyes on the Sky - Towards a Coherent Vision for High Angular Resolution Astronomy**

Various speakers -

University of Exeter and Online 09:00-18:00

**Tuesday 26 Apr 2022: Pattern Formation in Stratified and Heterogeneous Domains**

Andrew Krause - Durham University

Harrison 101 13:30-14:30

**Monday 25 Apr 2022: The Sharpest Eyes on the Sky - Towards a Coherent Vision for High Angular Resolution Astronomy**

Various speakers -

University of Exeter and Online 09:00-18:00

**Wednesday 20 Apr 2022: Stratospheric oscillations on tidally locked exoplanets**

Maureen Cohen -

4th Floor physics + remote 14:00-15:00

**Tuesday 29 Mar 2022: Helicity and linking for 3-dimensional Anosov flows.**

Richard Sharp - University of Warwick

Harrison 101 13:30-14:30

**Wednesday 23 Mar 2022: David Rees Fellow: Public Lecture in Mathematics**

Prof. Jon Keating, FRS - University of Oxford

Alumni Auditorium, the Forum at the University of Exeter 18:00-19:30

**Tuesday 22 Mar 2022: TBC**

**Andrew Styles - University of Oxford**

Harrison 101 13:30-15:30

**Tuesday 22 Mar 2022: Consensus dynamics on temporal hypergraphs**

**Renaud Lambiotte - University of Oxford**

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Thursday 17 Mar 2022: Number Theory, Algebra and Geometry Seminar:  
Dirichlet L-series at  $s = 0$  and the scarcity of Euler systems**

**Mr. Dominik Bullach - King's College London**

Harrison 203 14:30-15:30

**Wednesday 16 Mar 2022: Reaching faint limiting magnitudes in optical interferometry**

**Dan Mortimer -**

Remote (Zoom) 14:00-15:00

**Tuesday 15 Mar 2022: Noisy thresholds - casting neural dynamics in a new light**

**Rüdiger Thul - University of Nottingham**

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Thursday 10 Mar 2022: Number Theory, Algebra and Geometry Seminar:  
Homological equivalence coincides with algebraic equivalence for  
codimension 2 cycles on supersingular abelian varieties over the algebraic  
closure of a finite field.**

**Dr Oli Gregory - University of Exeter**

Harrison 203 14:30-15:30

**Tuesday 08 Mar 2022: TBC**

**TBC -**

Harrison 101 13:30-15:30

**Tuesday 08 Mar 2022: Noisy Recurrent Neural Networks**

Soon Hoe Lim - Stockholm University

LSI Seminar Room B 13:00-14:30

**Thursday 03 Mar 2022: Number Theory Seminar: Correlations of almost primes**

Miss Natalie Evans - King's College London

Harrison 203 14:30-15:30

**Friday 25 Feb 2022: Nanophotonics working with the clock: new chiral optical effects and quantum optical applications**

Ventislav Valev - University of Bath

Newman Red 12:30-13:30

**Wednesday 23 Feb 2022: Sublimation-driven convection in Sputnik Planitia on Pluto**

Adrien Morrison -

4th Floor physics + remote 14:00-15:00

**Tuesday 22 Feb 2022: Cover times for dynamical systems**

Natalia Jurga - University of St Andrews

LSI Seminar Room B 13:30-14:30

**Tuesday 22 Feb 2022: Parametrisation of small-scale random forcing in beta-plane turbulence**

Prof Gavin Esler - UCL

Zoom 13:30-15:30

**Thursday 17 Feb 2022: Pure Mathematics Seminar: Good reduction of Kummer surfaces modulo 2**

Dr Chris Lazda - University of Exeter

Harrison 203 14:30-15:30

**Tuesday 15 Feb 2022: Combinatorial models for metrics on moduli spaces**

**Babak Modami - Stony Brook University**

Harrison 101 13:30-14:30

**Friday 11 Feb 2022: Ultrafast quantum interference in strong-field laser-matter interaction**

**Carla Figueira de Morisson Faria - UCL**

Newman Red 12:30-13:30

**Thursday 10 Feb 2022: Number Theory and Algebra Seminar: On the Baer-Kaplansky Theorem**

**Tomasz Brzezinski - Swansea University**

Harrison 203 14:30-15:30

**Thursday 10 Feb 2022: [Journal Club] - Using Structure Functions to Investigate the Variability of Young Stellar Objects**

**Tom Joshi-Cale -**

4th floor interaction area 11:15-11:45

**Tuesday 08 Feb 2022: Deterministic & stochastic contraction theory and their applications on network systems**

**Zahra Aminzare - University of Iowa**

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Tuesday 08 Feb 2022: "Sound-proofing" fluid dynamics via Hamilton's principle**

**Dr Toby Wood - Newcastle University**

Zoom 13:30-14:30

**Thursday 03 Feb 2022: Algebra and Number Theory Seminar: Correspondences mixing geometries**

**Dr Michel van Garrel - University of Birmingham**

Harrison 203 14:30-15:30

**Thursday 03 Feb 2022: The Limits of Meritocracy**

**Justin Tumlinson - University of Exeter, Business School**

Zoom 12:00-13:00

**Thursday 03 Feb 2022: [Journal Club] - (Imaging the) Dynamical processes of the inner regions of protoplanetary discs**

**Issy Codron -**

4th floor interaction area 11:15-11:45

**Wednesday 02 Feb 2022: Bridging the Gap Between Galaxy and Star Formation with Star Clusters**

**Hui Li -**

4th Floor physics + remote 14:00-15:00

**Tuesday 01 Feb 2022: Rate-induced tipping in reaction-diffusion problems: The rise and fall of geographically shifting ecosystems.**

**Cris Hasan - University College Cork**

Harrison 101 13:30-14:30

**Friday 28 Jan 2022: Route to Hyperspectral Terahertz Microscopy via Nonlinear Ghost-Imaging**

**Marco Peccianti - University of Sussex**

Newman Red 12:30-13:30

**Thursday 27 Jan 2022: [Journal Club] - How plate tectonics influenced the earth's Archean climate**

**Janke Prins -**

4th floor interaction area 11:15-11:45

**Wednesday 26 Jan 2022: Planet formation in stellar clusters**

**Thomas Howarth -**

4th Floor physics + remote 14:00-15:00

**Tuesday 25 Jan 2022: EPIC: the Elliptical Parcel-In-Cell Method**

**Dr Matthias Frey - University of St Andrews**

Zoom 13:30-15:30

**Tuesday 25 Jan 2022: Using large deviation theory to fingerprint heatwaves and cold spells in models and data**

**Valerio Lucarini - University of Reading**

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Wednesday 19 Jan 2022: Looking for planetary satellites around directly imaged substellar companions.**

**Cecilia Lazzoni -**

4th Floor, Physics + remote 14:00-15:00

**Wednesday 12 Jan 2022: Magnetized disks and magnetic outflows during the formation of massive stars**

**Andre Oliva -**

4th Floor Physics + remote 14:00-15:00

**Tuesday 14 Dec 2021: Equidistant and non equidistant pulsing dynamics in an excitable microlaser subject to delayed optical feedback**

**Soizic Terrien - Laboratory of Acoustics of Le Mans University**

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Friday 10 Dec 2021: Evaluating trade-offs, heterogeneity and plasticity in Bighorn sheep life-history traits**

**Benjamin Larue - Universite de Sherbrooke, Quebec, Canada**

Exchange Lecture Theatre 11:00-13:00

**Wednesday 08 Dec 2021: Disks around evolved binaries: do they form second-generation planets?**

Jacques Kluska -

4th Floor Physics + remote 14:00-15:00

**Tuesday 07 Dec 2021: Control-based Continuation  A new paradigm for testing nonlinear systems**

Ludovic Renson - Imperial University

Harrison 101 13:30-14:30

**Friday 03 Dec 2021: Secure communications in quantum networks**

Eleni Diamanti - Sorbonne Universit

Online 12:30-13:30

**Thursday 02 Dec 2021: Integrated Multi-project Planning and Scheduling - A Multiagent Approach**

Allen He - University of Exeter - Department of Engineering

Zoom 14:30-15:30

**Wednesday 01 Dec 2021: Gravitational Instabilities in Protoplanetary Discs: A Vanishing Act**

Sahl Rowther -

4th Floor Physics + remote 14:00-15:00

**Tuesday 30 Nov 2021: Animal movement: memory, ?landscape and population dynamics**

Juliana Berbert - Federal University of ABC/Brazil

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Tuesday 30 Nov 2021: Mathematical modelling of free-surface thermoelectric magnetohydrodynamic (TEMHD) flow inside a tokamak reactor**

Oliver Bond -

Harrison 101 13:30-15:30

**Thursday 25 Nov 2021: [Journal Club] - Grouped star formation: converting sinks to stars in hydrodynamical simulations**

Kong You Liow -

4th floor interaction area 11:15-11:45

**Wednesday 24 Nov 2021: Exploring the Diversity of Exoplanet Atmospheres**

Hannah Wakeford -

4th Floor Physics + remote 14:00-15:00

**Tuesday 23 Nov 2021: Contributions to high dimensional nonlinear data assimilation**

Jana de Wiljes - University Potsdam

Harrison 101 13:30-14:30

**Tuesday 23 Nov 2021: Mathematical Modelling of the Ice Ages**

Prof. Chris Budd OBE - University of Bath

Zoom 12:30-13:30

**Wednesday 17 Nov 2021: Shining a light on the queer side of science for LGBTQ+ STEM Day**

Alexandre Coates and Dr Jon Davies, -

Rougemont Room, Exeter Library or Zoom 18:30-21:30

**Tuesday 16 Nov 2021: Networks of interacting tipping elements: cascading transitions in the Earth's climate system**

Nico Wunderling - Potsdam-Institute for Climate Impact Research

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Tuesday 16 Nov 2021: From timescales of cloud processes to mean flow computations**

Dr. Juliane Rosemeier - University of Exeter

Harrison 101 13:30-15:30

**Tuesday 16 Nov 2021: Capacity Management for A Leasing System with Different Equipment and Batch Demands**

Wendy Jiao - University of Exeter - Business School

Zoom 15:30-16:30

**Friday 12 Nov 2021: Engineering and measurement of thermal radiation**

Mikhail Kats - University of Wisconsin-Madison

Online 12:30-13:30

**Wednesday 10 Nov 2021: Modelling waves in stellar interiors - Impact of simulations with artificially enhanced luminosity**

Arthur Le Saux -

4th Floor, Physics + remote 14:00-15:00

**Tuesday 09 Nov 2021: Understanding sensory induced hallucinations: from neural fields to amplitude equations**

Rachel Nicks - University of Nottingham

Harrison 101 13:30-14:30

**Thursday 04 Nov 2021: A modelling and algorithmic framework for integrating long-haul transshipment and local transportation**

Stephen J. Maher - University of Exeter, Department of Mathematics

Zoom 14:30-15:30

**Wednesday 03 Nov 2021: There's no place like home: Placing Earth in its astronomical and geological contexts**

Raphaelle Haywood -

4th Floor, Physics + remote 14:00-15:00

**Tuesday 02 Nov 2021: Construction of optimal neuron models using data assimilation**

Alain Nogaret - University of Bath

Harrison 101 13:30-14:30

**Tuesday 02 Nov 2021: Non-hydrostatic rotating shallow-water and MHD flows**

**Prof. David Dritschel - University of St Andrews**

Zoom 13:30-15:30

**Friday 29 Oct 2021: Staying alive? - New physics at the LHC and beyond**

**Rebeca Gonzalez Suarez - Uppsala Universitet**

Online 12:30-13:30

**Wednesday 27 Oct 2021: Successful reproduction of the solar-like differential rotation in high-resolution magnetohydrodynamic calculation**

**Hideyuki Hotta -**

4th Floor, Physics + remote 10:00-11:00

**Thursday 21 Oct 2021: [Journal Club] Title: Adding a pre-existing stellar population to star formation simulations**

**Nicholas Herrington -**

4th floor interaction area 11:15-11:45

**Wednesday 20 Oct 2021: Convective Overshoot and Penetration in Stars**

**Daniel Lecoanet -**

4th Floor, Physics + remote 16:00-17:00

**Tuesday 19 Oct 2021: A sparse equidistribution problem on the modular surface**

**Claire Burrin - ETH**

<https://Universityofexeter.zoom.us/j/98128535238?pwd=b1NNR1MwV295VHRWWFh4b1NDTjJoZz09> Meeting ID: 981 2853 5238 Password: 561487 13:30-14:30

**Tuesday 19 Oct 2021: Tornado-like Vortices in Coriolis-Centrifugal Convection**

**Dr. Susanne Horn - Centre for Fluid and Complex Systems, Coventry University**

Harrison 101 13:30-15:30

**Friday 15 Oct 2021: What the fragile upper atmospheres of Giant Planets reveal**

**James O'Donoghue - Japan Aerospace Exploration Agency**

Online 12:30-13:30

**Thursday 14 Oct 2021: The Pursuit of Earth 2.0 and Other Worlds with High Precision Radial Velocities**

**Sharon Xuesong Wang -**

remote 10:00-11:00

**Thursday 14 Oct 2021: [Journal Club] Title: Multi-wavelength variability of T Tauri stars in NGC 2264**

**Ben Lakeland -**

4th floor interaction area 11:15-11:45

**Tuesday 12 Oct 2021: Dynamics of the sleep-wake cycle: from circle maps to influencing policy**

**Anne Skeldon - University of Surrey**

Harrison 101 13:30-14:30

**Friday 08 Oct 2021: High-dimensional quantum photonics: Pushing the limits of quantum technologies**

**Mehul Malik - Heriot Watt University**

Online 12:30-13:30

**Thursday 07 Oct 2021: [Journal Club] Title: The statistical properties of protostellar discs and their dependence on metallicity**

**Dan Elsender -**

4th floor interaction area 11:15-11:45

**Tuesday 05 Oct 2021: Modelling the effects of deep brain stimulation in Parkinson's disease**

**Rafal Bogacz - University of Oxford**

LSI Seminar Room A 13:30-14:30

**Tuesday 05 Oct 2021: The importance of nonlinear physics in radiation belt modelling**

**Dr. Oliver Allanson - University of Exeter**

Harrison 101 13:30-15:30

**Friday 01 Oct 2021: Dr Kate Marvel: Climate, clouds and communication talk**

**Dr Kate Marvel - <https://www.eventbrite.co.uk/e/climate-clouds-and-communication-tickets-167048539679>**

Online 16:00-17:30

**Wednesday 29 Sep 2021: Hunting for Planets and Low-Mass Companions around Hot Stars: The ARMADA Survey at CHARA and VLTI**

**Tyler Gardner -**

remote 14:00-15:00

**Tuesday 28 Sep 2021: Heterogeneity improves speed and accuracy in social networks**

**Zack Kilpatrick - University of Colorado Boulder**

**<https://Universityofexeter.zoom.us/j/96106690695?pwd=QnZKSGpqVXp3SnJRZG5aaHE0RzhRZz09> Meeting ID: 961 0669 0695 Password: 975062 15:30-16:30**

**Friday 24 Sep 2021: Organic small molecule integrated photonics**

**Andrea Armani - University of Southern California**

Online 12:30-13:30

**Wednesday 30 Jun 2021: TBA**

**Charly Pincon -**

Remote seminar 14:00-15:00

**Tuesday 29 Jun 2021: The role of bacterial chemotaxis in marine nutrient cycling and symbioses**

**Doug Brumley - University of Melbourne**

<https://Universityofexeter.zoom.us/j/97478740632?pwd=d1BhemZJYTA5RFIPEJZTjJ5anpNdz09> Meeting ID: 974 7874 0632 Password: 235211 12:00-13:00

**Wednesday 23 Jun 2021: TBA**

**Simon Portegies Zwart -**

Remote seminar 14:00-15:00

**Tuesday 22 Jun 2021: Interacting manifolds shaping the dynamics: Slow-fast dynamical systems and more**

**Jose Mujica - VU Amsterdam**

<https://Universityofexeter.zoom.us/j/98070370979?pwd=SmNBQk43NIBXQk1ZV1BXUEozai9xQT09> Meeting ID: 980 7037 0979 Password: 756520 13:30-14:30

**Wednesday 16 Jun 2021: TBA**

**Johann Higl -**

Remote seminar 14:00-15:00

**Tuesday 15 Jun 2021: Neural dynamics as a theoretical language to understand the emerge of cognition from the sensory-motor domain**

**Gregor Schöner - Ruhr-Universität**

<https://Universityofexeter.zoom.us/j/95492672277?pwd=dUNpMHJ4NmNueWlVKzhTdXUvcWlaQT09> Meeting ID: 954 9267 2277 Password: 959771 13:30-14:30

**Wednesday 09 Jun 2021: TBA**

**Alison Sills -**

Remote seminar 14:00-15:00

**Tuesday 08 Jun 2021: Computing the quasipotential for quantifying rare events**

**Maria Cameron - University of Maryland**

<https://Universityofexeter.zoom.us/j/97697719022?pwd=ZHQ0emJGOHNkSXY1OStlcVhFQncrUT09> Meeting ID: 976 9771 9022 Password: 758413 13:30-14:30

**Wednesday 02 Jun 2021: TBA**

**Scott Trager -**

Remote seminar 14:00-15:00

**Tuesday 01 Jun 2021: The breadth ↔ depth dilemma in decision making**

**Ruben Moreno Bote - UPF**

<https://Universityofexeter.zoom.us/j/93932429573?pwd=KzdHajFMQUcvNmRGUHRLMTNMWVvqUT09> Meeting ID: 939 3242 9573 Password: 227806 13:30-14:30

**Thursday 27 May 2021: 1st year Phd talks**

**Thomas Hutton and Daniel Williams -**

online 13:30-14:30

**Wednesday 26 May 2021: TBA**

**Woong-Tae Kim -**

Remote seminar 14:00-15:00

**Tuesday 25 May 2021: Dynamic external noise sequences modulate perception in binocular rivalry**

**Daniel Baker - University of York**

<https://Universityofexeter.zoom.us/j/97732074999?pwd=Sithd1g3UFVxRDdHY0l0MVZXb1RQZz09> Meeting ID: 977 3207 4999 Password: 916657 13:30-14:30

**Tuesday 25 May 2021: [Journal Club] Title: Near-infrared interferometry of a close binary system: the curious case of MWC166**

**Sebastian Zarrilli - University of Exeter**

Zoom 11:15-11:50

**Wednesday 19 May 2021: TBA**

**Soeren Larsen -**

Remote seminar 14:00-15:00

**Tuesday 18 May 2021: Transfer operators: the old, the new and the upcoming**

Wael Bahsoun - University of Loughborough

<https://Universityofexeter.zoom.us/j/94383437151?pwd=SUhDV0l0ZEFqVmFrWVdzNWZYZkF1UT09> Meeting ID: 943 8343 7151 Password: 799310 13:30-14:30

**Tuesday 18 May 2021: [Journal Club] Title: Dissipation in stratified and rotating convection**

Simon Lance - University of Exeter

Zoom 11:15-11:50

**Monday 17 May 2021: 1st year Phd talks**

Tim Andrews and Nell Hartney -

online 09:30-10:30

**Friday 14 May 2021: Extreme Environments: From Space to People**

Exeter Space and Extreme Environments -

Online - Zoom 13:00-15:20

**Wednesday 12 May 2021: Links between star and planet formation: Disentangling the known exoplanet population**

Andrew Winter -

Remote seminar 14:00-15:00

**Tuesday 11 May 2021: Small and large strange attractors in heteroclinic bifurcations**

Alexandre Rodrigues - Universidade do Porto

<https://Universityofexeter.zoom.us/j/94257154396?pwd=NTRiU3NuNERGemsTkQwTDg4QkZhdz09> Meeting ID: 942 5715 4396 Password: 418985 13:00-14:00

**Tuesday 11 May 2021: [Journal Club] Title: Parameterisation of overshooting processes in Massive + Solar type Stars**

Josh Clarke - University of Exeter

Zoom 11:15-11:50

**Wednesday 05 May 2021: The influence of the star-forming environment on planetary systems**

**Richard Parker -**

Remote seminar 14:00-15:00

**Tuesday 04 May 2021: Reservoir computing on Dynamical Systems**

**Allen Hart - University of Bath**

<https://Universityofexeter.zoom.us/j/99867966850?pwd=MmVUN2ZwcHNHa3VyWUI5WnVwY2E0dz09> Meeting ID: 998 6796 6850 Password: 095884 13:00-14:00

**Tuesday 04 May 2021: [Journal Club] Title: Formation of young massive clusters via cloud-cloud collisions**

**Kong Liow - University of Exeter**

Zoom 11:15-11:50

**Wednesday 28 Apr 2021: A Balancing Act: Observational determination of the pressures in HII regions across the Galactic Centre and nearby galaxies**

**Ashley Barnes -**

Remote seminar 14:00-15:00

**Tuesday 27 Apr 2021: Effect of Astrocytes in Neuronal Networks**

**Alla Borisyuk - University of Utah**

<https://Universityofexeter.zoom.us/j/94346309577?pwd=U0J3OGNUM25FWW54Z2F2ek85cFNuUT09> Meeting ID: 943 4630 9577 Password: 832214 14:30-15:30

**Tuesday 27 Apr 2021: [Journal Club] Title: The Enigma of Hydrogen Emission in T Tauri Stars**

**Tom Wilson - University of Exeter**

Zoom 11:15-11:50

**Wednesday 21 Apr 2021: 3D simulations of warm and hot Jupiter atmospheres: the role of 3D mixing in shaping CH<sub>4</sub>-to-CO conversion pathways**

**Mariya Zamyatina -**

Remote seminar 14:00-15:00

**Tuesday 20 Apr 2021: [Journal Club] Title: Atmospheric photochemistry and the potential impacts of stellar flares**

**Robert Ridgway - University of Exeter**

Zoom 11:15-11:50

**Wednesday 14 Apr 2021: What can the Characterizing Exoplanet Satellite (CHEOPS) do for exoplanet atmospheres?**

**Monika Lendl -**

Remote seminar 14:00-15:00

**Tuesday 13 Apr 2021: TBA**

**Alef Sterk - Bernoulli Institute**

<https://Universityofexeter.zoom.us/j/97932946006?pwd=SGEzUXI0STM1c01UWGhzcUdtMVdOUT09> Meeting ID: 979 3294 6006 Password: 598450 13:30-14:30

**Thursday 08 Apr 2021: Towards Solving the Catalogue Cross-Match Problem**

**Tom J. Wilson -**

Remote seminar 14:00-15:00

**Wednesday 31 Mar 2021: Stellar interactions & transients**

**Silvia Toonen -**

Remote seminar 14:00-15:00

**Wednesday 31 Mar 2021: Using satellite measurements to understand and improve aerosol models**

**Dr Nick Schutgens (Vrije Universiteit Amsterdam) -**

Zoom 13:30-14:30

**Tuesday 30 Mar 2021: TBA**

**Aine Byrne - University College Dublin**

<https://Universityofexeter.zoom.us/j/98638570599?pwd=TEtLdIJ0dUxONGMwYkZjMUlRk1czdz09> Meeting ID: 986 3857 0599 Password: 087242 13:30-14:30

**Wednesday 24 Mar 2021: The Peril and Promise of Three-Dimensional Planets**

**Emily Rauscher -**

Remote seminar 14:00-15:00

**Tuesday 23 Mar 2021: Spin-torque Nano-oscillators and Neuroscience**

**Frank Hoppensteadt - Courant Institute**

<https://Universityofexeter.zoom.us/j/95160489520?pwd=MzdBV2hGV0NUQ0FIRGVKc1dLc2VvQT09> Meeting ID: 951 6048 9520 Password: 193168 13:30-14:30

**Tuesday 23 Mar 2021: [Journal Club] Title: The Spin Evolution of Stars in Clusters; Exploring the consequences of external photoevaporation of circumstellar disks on the rotational evolution of low mass stars**

**Julia Roquette - University of Exeter**

Zoom 11:15-11:50

**Thursday 18 Mar 2021: Progress Towards Accelerating the Unified Model on Hybrid Multi-Core Systems**

**Wei Zhang - Oakridge National Laboratory**

Zoom 14:30-15:30

**Wednesday 17 Mar 2021: The atmospheric circulation and evolution of warm, hot, and ultra-hot Jupiters**

**Thaddeus Komacek -**

Remote seminar 14:00-15:00

**Tuesday 16 Mar 2021: Noisy boundaries and stochastic saltation matrices**

**Petri Piiroinen - Chalmers University of Technology**

<https://Universityofexeter.zoom.us/j/92988302721?pwd=U1h1ZGtdXFYdmVBY1U5T0FpdDlNdz09> Meeting ID: 929 8830 2721 Password: 468554 13:30-14:30

**Tuesday 16 Mar 2021: Multi-Spacecraft Observations of a New Double-Shock Type of High-Latitude ICME**

**Megan Maunder - University of Exeter**

Zoom 13:30-14:30

**Wednesday 10 Mar 2021: IFUs, nearby galaxies, and resolved stellar feedback**

**Anna McLeod -**

Remote seminar 14:00-15:00

**Wednesday 10 Mar 2021: A closed-loop green supply chain network (CLGSC) model with CO2 Emission Consideration: A matheuristic approach**

**Martino Luis - University of Exeter, Engineering Management**

Zoom 14:00-15:00

**Wednesday 10 Mar 2021: Playful Mathematics: A Toy Computer**

**Tom Ritchie - University of Exeter**

Zoom 14:00-15:00

**Tuesday 09 Mar 2021: How can shared concept cells encode associations?**

**Chiara Gastaldi - EPFL**

<https://Universityofexeter.zoom.us/j/98510015371?pwd=aE5mSVhCdytxdnhkd05lQXk3QTR6Zz09> Meeting ID: 985 1001 5371 Password: 289241 13:30-14:30

**Wednesday 03 Mar 2021: Multiwavelength studies of FUor-type eruptive young stars**

**Fernando Cruz-Saenz de Miera - Konkoly Observatory**

Remote seminar 14:00-15:00

**Tuesday 02 Mar 2021: Active (non-) particles: donuts, curved rods, and flexibility**

**Tom Montenegro-Johnson - University of Birmingham**

<https://Universityofexeter.zoom.us/j/97695639144?pwd=TS93SW1Fd2lmcHJHcitoaGV0SXdGdz09> Meeting ID: 976 9563 9144 Password: 728362 13:30-14:30

**Wednesday 24 Feb 2021: Investigating the story of massive star formation, as told by clusters**

Anne Buckner - University of Exeter

Remote seminar 14:00-15:00

**Wednesday 24 Feb 2021: Hybrid Genetic Bees Algorithm applied to single machine scheduling with earliness and tardiness penalties**

Baris Yuce - University of Exeter, Engineering Management

Zoom 14:00-15:00

**Tuesday 23 Feb 2021: Discovering Low-Dimensional Nonlinear Neural Dynamics of Learning**

Hazem Toutounji - University of Nottingham

<https://Universityofexeter.zoom.us/j/95487969874?pwd=bndxaWNHaTVNRElwVkJwTGJOSWdXZz09> Meeting ID: 954 8796 9874 Password: 597575 13:30-14:30

**Tuesday 23 Feb 2021: UNSEEN extreme UK summertime daily precipitation: reducing uncertainty on plausible extreme scenarios**

Chris Kent (UK Met Office, Exeter) -

Zoom 13:30-14:30

**Tuesday 23 Feb 2021: [Journal Club] Title: Polarised magnetic flux as a stellar RV proxy**

Federica Rescigno - University of Exeter

Zoom 11:15-11:50

**Wednesday 17 Feb 2021: The past and future of the Sun: What solar twins can tell us about the solar dynamo evolution?**

Diego Lorenzo-Oliveira -

Remote seminar 14:00-15:00

**Tuesday 16 Feb 2021: An introduction to multi-fluid convection**

Dr. Will McIntyre - University of Exeter

Zoom 13:30-14:30

**Thursday 11 Feb 2021: Network based operational modelling of whole healthcare systems and their operations**

**Sean Manzi - University of Exeter, College of Medicine and Health**

Zoom 14:30-15:30

**Wednesday 10 Feb 2021: Molecular clouds: linking simulations and observations**

**Daniel Seifried -**

Remote seminar 14:00-15:00

**Tuesday 09 Feb 2021: [Journal Club] Title: From transit surveys to exoplanet masses: the case of TRAPPIST-1**

**Adrien Houge - University of Exeter**

Zoom 11:15-11:50

**Friday 05 Feb 2021: Astronomy contributing to development: Retrospective and future perspective**

**Carolina ♦dman - University of the Western Cape, South Africa**

Online 12:30-13:30

**Wednesday 03 Feb 2021: Painting a portrait of the Galactic disc with its stellar clusters**

**Tristan Cantat-Gaudin -**

Remote seminar 14:00-15:00

**Tuesday 02 Feb 2021: Network Inference Based on Mutual Information Rate**

**Chris Antonopoulos - University of Essex**

<https://Universityofexeter.zoom.us/j/91089955296?pwd=VHJxeUV6Y1FLQmVZbG9TUlpXY05kQT09> Meeting ID: 910 8995 5296 Password: 183833 13:30-14:30

**Tuesday 02 Feb 2021: [Journal Club] Title: Identifying TESS exoplanets with Citizen Science and Machine Learning**

**Ben Lakeland - University of Exeter**

**Zoom 11:15-11:50**

**Friday 29 Jan 2021: Towards applying Quantum Topological Data Analysis to the CMB**

**Ismail Akhalwaya - IBM Research | Africa**

**Online 12:30-13:30**

**Thursday 28 Jan 2021: Revisiting the coupled behavior of the subtropical jet and Hadley Cell**

**Molly Menzel - John Hopkins University**

**Zoom 14:30-16:30**

**Thursday 28 Jan 2021: SpeedFactories: Global Dual Sourcing Under Correlated Demand**

**Stephen Disney - University of Exeter, Business School, Centre for Simulation, Analytics, and Modelling**

**Zoom 14:30-15:30**

**Wednesday 27 Jan 2021: Stellar interactions & transients**

**Silvia Toonen - University of Birmingham**

**Remote seminar 14:00-15:00**

**Tuesday 26 Jan 2021: Resonance-based mechanisms of generation of oscillations in networks of non-oscillatory neurons**

**Horacio Rotstein -**

**<https://Universityofexeter.zoom.us/j/99068734703?pwd=L3RabTRYR09aRmd2eXFIUktIYVNNUT09> Meeting ID: 990 6873 4703 Password: 141736 13:30-14:30**

**Tuesday 26 Jan 2021: [Journal Club] Title: Evolving rapidly accreting supermassive primordial stars with MESA**

**Nicholas Herrington - University of Exeter**

**Zoom 11:15-11:45**

**Wednesday 20 Jan 2021: Stellar magnetic field and close-in planet mass of the young AU Mic system with SPIRou**

**Baptiste Klein - IRAP, Toulouse**

Remote seminar 14:00-15:00

**Tuesday 19 Jan 2021: Seasonal, regional Hadley cell dynamics and Earth's monsoons**

**Dr. Ruth Geen - University of Exeter**

Zoom 13:30-14:30

**Tuesday 19 Jan 2021: [Journal Club] Title: Inclusivity in Astro and Academia**

**Anna Laws - University of Exeter**

Zoom 11:15-12:00

**Wednesday 13 Jan 2021: Overcoming intrinsic stellar variability in detecting and characterising exoplanets**

**Raphaëlle Haywood -**

Remote seminar 14:00-15:00

**Tuesday 12 Jan 2021: Nonlinear dynamics of forced baroclinic critical layers**

**Dr. Chen Wang - University of Exeter**

Zoom 13:30-14:30

**Tuesday 12 Jan 2021: [Journal Club] Title: Designing a telescope to detect life**

**Alex Loader - University of Exeter**

Zoom 11:15-11:50

**Tuesday 05 Jan 2021: [Journal Club] Title: Charged Particles in Magnetic Fields**

**Dan Elsander - University of Exeter**

Zoom 11:15-11:50

**Thursday 10 Dec 2020: Adaptive Multilevel Delayed Acceptance**

**Tim Dodwell - University of Exeter, Engineering**

Zoom 14:30-15:30

**Wednesday 09 Dec 2020: [Seminar] Observing the Sun as an exoplanet host star**

**Raphaelle Haywood - University of Exeter**

Remote seminar 14:00-15:00

**Tuesday 08 Dec 2020: Passive & Active Soft Matter: From Viscoplastic Droplets to Glowing Algae**

**Mazi Jalaal - University of Cambridge**

<https://Universityofexeter.zoom.us/j/97790267260?pwd=cXljSVpiUXJXalFiRmhNanRXeHNjQT09> Meeting ID: 977 9026 7260 Password: 018209 13:30-14:30

**Tuesday 08 Dec 2020: Simulations of convection over a range of atmospheric conditions on TRAPPIST-1e**

**Dr Denis Sergeev - University of Exeter**

Zoom 13:30-14:30

**Tuesday 08 Dec 2020: [Journal Club] Title: Ekster - a method to simulate star formation with low-resolution gas**

**Steven Rieder - University of Exeter**

Zoom 11:15-11:50

**Thursday 03 Dec 2020: Learning from Experience: Hyperheuristic Optimisation for Operations Research Problems**

**Ed Keedwell - University of Exeter, Computer Science**

Zoom 14:30-15:30

**Wednesday 02 Dec 2020: [Seminar] Star formation in chaos: can we trust simulations?**

**Sarah Jaffa - University of Hertfordshire**

Remote seminar 14:00-15:00

**Tuesday 01 Dec 2020: Using an idealized general circulation model to probe the building blocks of the monsoons and the Quasi-Biennial Oscillation**

**Prof. Chaim Garfinkel - The Hebrew University**

**Zoom 13:30-14:30**

**Tuesday 01 Dec 2020: Loss of consciousness in general anaesthesia may be understood by de-noising the brain**

**Axel Hutt - INRIA Grand Est**

**<https://Universityofexeter.zoom.us/j/95563034432?pwd=d2U5cWN4U1JtZlIvLytyMTkrNExyZz09> Meeting ID: 955 6303 4432 Password: 883575 13:30-14:30**

**Tuesday 01 Dec 2020: [Journal Club] Title: Characterising Hot Jupiters Using TauREx and PARC Retrievals with ATMO**

**Michelle Bieger - University of Exeter**

**Zoom 11:15-11:50**

**Wednesday 25 Nov 2020: [Seminar] Survival of scattered planets in potentially habitable orbits**

**Melvyn Davies - Lund University**

**Reomte seminar 14:00-15:00**

**Tuesday 24 Nov 2020: Dynamical Landscape and Multistability of the Earth's Climate**

**Valerio Lucarini - University of Reading**

**<https://Universityofexeter.zoom.us/j/93521082954?pwd=MUsrWTFGhb1pKWngwMVpYbmhTbnZxdz09> Meeting ID: 935 2108 2954 Password: 175462 13:30-14:30**

**Friday 20 Nov 2020: TBA**

**Francesco Petruccione - University of KwaZulu-Natal**

**Online 12:30-13:30**

**Thursday 19 Nov 2020: Applications of Operational Research in Emergency Health Care**

**Thomas Monks and Michael Allen - University of Exeter, College of Medicine and Health**

Zoom 14:30-15:30

**Wednesday 18 Nov 2020: [Seminar] Massive stars from young to old - an investigation in the infrared**

**Abigail Frost - KU Leuven**

Remote seminar 14:00-15:00

**Tuesday 17 Nov 2020: The Evolution of Interplanetary Coronal Mass Ejections: Multi-spacecraft Observations in the Inner and Outer Heliosphere**

**Emma Davies - Imperial College**

Zoom 14:00-15:00

**Tuesday 10 Nov 2020: Dynamics Seminar: Demographic noise in models for cyclical interactions**

**Jonathan Dawes - University of Bath**

<https://Universityofexeter.zoom.us/j/98171055532?pwd=TTgwTEJzV1ljazdJT0FkdzE4WGJqdz09> Meeting ID: 981 7105 5532 Password: 685148 13:30-14:30

**Tuesday 10 Nov 2020: How jets and eddies influence the speed of propagation of plankton blooms: an idealised view**

**Dr Alexandra Tzella - University of Birmingham**

Zoom 13:30-14:30

**Friday 06 Nov 2020: Moore's Law for Lawrence's Device: The path to shrinking the Particle Accelerator**

**Franklin Dollar - University of California, Irvine**

Online 12:30-13:30

**Thursday 05 Nov 2020: Evaluating the benefits of picking and packing planning integration in e-commerce warehouses**

**Shuya Zhong - University of Exeter, Engineering Management, Engineering Department**

Zoom 14:30-15:30

**Wednesday 04 Nov 2020: [Seminar] The influence of stellar metallicity and mass on the formation, evolution and architectures of planetary systems**

**Luan Ghezzi - Observatorio do Valongo, Rio de Janeiro**

Remote seminar 14:00-15:00

**Tuesday 03 Nov 2020: Dynamics Seminar: Diabetes Pathogenesis as a Threshold-Crossing Process**

**Arthur Sherman - NIH**

<https://Universityofexeter.zoom.us/j/95995310215?pwd=Y2F5bFZ6Nm5aR1hORTduekhYeUJCZz09> Meeting ID: 959 9531 0215 Password: 761286 13:30-14:30

**Wednesday 28 Oct 2020: [Seminar] Exeter Exoplanet Theory Group (EETG): People, projects and mind blowing science!**

**Nathan Mayne - University of Exeter**

Remote seminar 14:00-15:00

**Tuesday 27 Oct 2020: Evolution of the Sun's Magnetic Field and Space Weather**

**Dr. Prantika Bhowmik - Durham University**

<https://Universityofexeter.zoom.us/j/93020545827?pwd=aStYYTB6VGNzUzhwdjM3b1hqRkRSUT09> 13:30-15:30

**Thursday 22 Oct 2020: NHSquicker: Shaping Demand for Urgent Care through Real-Time Data and Digital Nudges**

**Nav Mustafee - University of Exeter, Business School, Centre for Simulation, Analytics and Modelling**

Zoom 14:30-15:30

**Wednesday 21 Oct 2020: [Seminar] The Evolution of Stellar Radial Velocity Jitter: Toward an Astrophysically Motivated Predictor of Stellar RV Jitter**

**Jacob Luhn - Penn State University**

Remote seminar 14:00-15:00

**Wednesday 21 Oct 2020: Estimating the age groups that sustain resurging COVID-19 epidemics in the United States**

**Oliver Ratmann - Imperial College, London**

<https://Universityofexeter.zoom.us/j/96651239207?pwd=ZnVjbhBRcTd3cTBKcXlIYTZUdnd3dz09> 11:00-12:00

**Tuesday 20 Oct 2020: Dynamics Seminar: Shaping neural circuits by patterned activity**

**Julijana Gjorgjieva - MPI-Brain/TU Munich**

Zoom 13:30-14:30

**Tuesday 20 Oct 2020: 1st year PhD student presentations 2**

**Brett McKim and Ross Castle - University of Exeter**

Zoom 13:30-14:30

**Friday 16 Oct 2020: Spintronic neural networks with radio-frequency connections**

**Julie Grollier - Unit  Mixte de Physique CNRS/Thales, Universit  Paris-Saclay, 91767 Palaiseau, France**

Online 12:30-13:30

**Thursday 15 Oct 2020: 1st year PhD student presentations 1**

**Liam Watts and Azza Al Gatheem - University of Exeter**

Zoom 14:30-15:30

**Thursday 15 Oct 2020: Whence and whither HPC?**

**David Acreman - University of Exeter, Physics and Astronomy**

Zoom 14:30-15:30

**Friday 09 Oct 2020: Structured light from lasers**

**Andrew Forbes - School of Physics, University of the Witwatersrand, Johannesburg, South Africa**

Online 12:30-13:30

**Wednesday 07 Oct 2020: [Seminar] In search for red giants' internal magnetic field**

**Lisa Bugnet - CEA Saclay, Paris**

Reomte seminar 14:00-15:00

**Wednesday 07 Oct 2020: ECR workshop**

**Sandra Johnson, Rae Preston , Chris Wood, Tomas Chaigneau and Carmen Falagan Rodriguez -**

Teams 13:00-15:00

**Tuesday 06 Oct 2020: Dynamics Seminar: Multiple recurrence for polynomial and non-polynomial sequences**

**Joel Moreira - University of Warwick**

Zoom 13:30-14:30

**Thursday 01 Oct 2020: The Rubik's Cube and Math**

**Sydney Weaver -**

Zoom 15:00-16:00

**Tuesday 29 Sep 2020: Dynamics Seminar: Complex dynamics: the intriguing case of wandering domains**

**Gwyneth Stallard - Open University**

Zoom 13:30-14:30

**Thursday 24 Sep 2020: Networks Colloquium: Variance and covariance of distributions on graphs**

**Renaud Lambiotte - University of Oxford**

Zoom 15:30-16:30

**Thursday 24 Sep 2020: Nonlinear resonance in the persistence of layers in stably-stratified fluids**

**Dr, Paul Burns - University of Exeter**

Online 14:30-16:30

**Wednesday 23 Sep 2020: [Seminar] Evolution of protoplanetary disks in different environments: The long road to Westerlund1**

**Mario Guarcello - INAF, Observatory of Palermo**

Reomte seminar 14:00-15:00

**Tuesday 22 Sep 2020: [Journal Club] Title: SEDBYS: A python-based command line tool to build Spectral Energy Distributions for Young Stars**

**Claire Davies - University of Exeter**

Zoom 11:00-11:50

**Wednesday 09 Sep 2020: [Seminar] The high-energy environment and atmospheric escape of small exoplanets**

**Leonardo dos Santos - University of Geneva**

Remote seminar 14:00-15:00

**Thursday 27 Aug 2020: [Journal Club] Title: Extracting chromospheric activity structure on solar-like stars**

**Amy Goodsall - University of Exeter**

Zoom 11:00-11:30

**Thursday 27 Aug 2020: [Journal Club] Title: Investigating the Effect of Massive Stars in the Rotational Scenario of Pre-Main Sequence Clusters**

**Sophia Stasevic - University of Exeter**

Zoom 11:30-11:55

**Tuesday 25 Aug 2020: [Journal Club] Title: Recovering Praesepe's Spin distribution at Birth**

**Tobias Slade-Harajda - university of Exeter**

Zoom 11:00-11:30

**Tuesday 25 Aug 2020: [Journal Club] Title: Exploring the Effect of Star-Disc Interaction on the Stellar Spin**

**Charlie Davey - University of Exeter**

Zoom 11:30-11:55

**Wednesday 19 Aug 2020: [Seminar] Brown dwarfs binaries: from statistics to formation and evolution**

**Clemence Fontanive - University of Bern**

Remote seminar 14:00-15:00

**Tuesday 18 Aug 2020: [Journal Club] Title: Modelling Clouds in Hot Jupiter Atmospheres**

**Duncan Christie - University of Exeter**

Zoom 11:15-11:50

**Wednesday 12 Aug 2020: [Seminar] Characterizing Giant Planet Atmospheres with Hubble**

**Munazza Alam - CfA, Harvard**

Remote seminar 14:00-15:00

**Tuesday 11 Aug 2020: [Journal Club] Title: Examining the effects of stellar flares on the habitability of tidally locked terrestrial exoplanets**

**Robert Ridgeway - University of Exeter**

Zoom 11:15-11:50

**Wednesday 05 Aug 2020: [Seminar] Carbon during planet formation: From disks and dust to pebbles, planetesimals and planets**

**Sebastian Krijt - University of Arizona/University of Exeter**

Remote seminar 14:00-15:00

**Wednesday 22 Jul 2020: [Seminar] THOR: a general circulation model for exoplanets**

**Russell Deitrick - University of Bern**

Remote seminar 14:00-15:00

**Tuesday 21 Jul 2020: [Journal Club] Title: : The Effects of Unresolved Contaminant Stars on the Cross-Matching of Photometric Catalogues**

**Tom J Wilson -**

**Zoom 11:15-11:50**

**Wednesday 15 Jul 2020: [Seminar] The role of halo assembly history on black hole growth, circumgalactic gas expulsion, and the evolution of  $\sim L^*$  galaxies**

**Rob Crain - Liverpool John Moores University**

**Remote seminar 14:00-15:00**

**Tuesday 14 Jul 2020: Stability of jets and vortices in Geophysical and Astrophysical Fluid Dynamics**

**Prof. Fancis Poulin - University of Waterloo**

**Online - contact A. Hillier for webinar link 14:30-15:30**

**Tuesday 14 Jul 2020: [Journal Club] Title: Solar Angular Momentum-loss and its Connection to Other Sun-like Stars**

**Adam Finley - University of Exeter**

**Zoom 11:15-11:50**

**Wednesday 08 Jul 2020: [Seminar] Atmospheric collapse on tidally locked rocky planets**

**Pierre Auclair-Desrotour - University of Bern**

**Remote seminar 14:00-15:00**

**Tuesday 07 Jul 2020: [Journal Club] Title: How underestimated are Zeeman-doppler imaging based torque estimates?**

**Victor See - University of Exeter**

**Zoom 11:15-11:45**

**Wednesday 24 Jun 2020: [Seminar] What can the Occult Do for You? using overlapping galaxies to probe dust properties in galaxies**

**Benne Holwerda - University of Louisville**

**Remote seminar 15:00-16:00**

**Friday 19 Jun 2020: International Women in Engineering Day**

**Prof Krasimira Tsaneva-Atanasova, Prof Xiaohong Li and Prof David Butler**

-

Online via Microsoft Teams 09:30-13:00

**Wednesday 17 Jun 2020: [Seminar] Hierarchical Modelling of Stellar Populations with Asteroseismology**

**Guy Davies - University of Birmingham**

Remote seminar 14:00-15:00

**Tuesday 16 Jun 2020: UK-SOSS seminar: Magnetic helicity: decompositions and methods of localization**

**Prof Mitchell Berger - University of Exeter**

Online webinar - see abstract for access details 11:00-12:00

**Thursday 11 Jun 2020: Multiphase gas and the fractal nature of radiative turbulent mixing layers**

**Dr. Drummond Fielding - Center for Computational Astrophysics at the Flatiron Institute**

Online - contact A. Hillier for webinar link 14:30-15:30

**Tuesday 02 Jun 2020: [Journal Club] Title: Using interferometry to characterise the YSO binary system MWC166**

**Sebastian Zarrilli - University of Exeter**

Zoom 11:15-11:50

**Tuesday 26 May 2020: Coalescence instability in partially ionised plasmas**

**Giulia Murtas - University of Exeter**

Online - contact A. Hillier for webinar link 13:30-14:30

**Tuesday 26 May 2020: [journal Club] Title: Simulating the formation of young massive clusters via cloud-cloud collision**

**Kong Liow - University of Exeter**

Zoom 11:15-11:50

**Thursday 21 May 2020: Mathematics Colloquium: TBA**

**Prof. Timothy Trudgian - UNSW Canberra**

H209 14:30-16:30

**Thursday 21 May 2020: Polar Vortices on Terrestrial Planets**

**Prof. Darryn W. Waugh - John Hopkins University**

Online - contact A. Hillier for webinar link 14:30-15:30

**Tuesday 19 May 2020: Intelligent Systems for Smart Cities [Postponed]**

**Prof Enrique Alba - University of Malaga**

Harrison 170 14:30-15:30

**Thursday 14 May 2020: title to be confirmed [postponed]**

**Dr. Xiaowei Huang - University of Liverpool**

Harrison 170 14:30-15:30

**Thursday 14 May 2020: Gusto: the compatible finite element dynamical core toolkit and why you might be interested in it.**

**Dr. Jemma shipton - University of Exeter**

Online - contact A. Hillier for webinar link 14:30-15:30

**Wednesday 13 May 2020: [Seminar] Mass-Metallicity Trends in Transiting Exoplanets**

**Luis Welbanks - University of Cambridge**

Remote seminar 14:00-15:00

**Thursday 07 May 2020: [Joint GAFD/Astrophysics Seminar] A fresh look at waves in ion-electron plasmas: reformulating the textbook treatments**

**Rony Keppens - KU Leuven**

Remote seminar 14:30-15:30

**Thursday 07 May 2020: A fresh look at waves in ion-electron plasmas: reformulating the textbook treatments**

**Prof Rony Keppens - Centre for mathematical Plasma Astrophysics, KU  
Leuven**

Online - contact A. Hillier for webinar link 14:30-15:30

**Tuesday 05 May 2020: Dynamics Zoominar: How neural network size affects  
learning performance**

**Timothy O'Leary - University of Cambridge**

Zoom 13:30-14:30

**Tuesday 05 May 2020: [Journal Club] Title: Parameterisation of Convective  
Core Overshooting In Massive Stars**

**Josh Clarke - University of Exeter**

Zoom 11:15-11:50

**Wednesday 29 Apr 2020: [Seminar] TBC**

**Kristina Kislyakova - University of Vienna**

Remote seminar 14:00-15:00

**Thursday 23 Apr 2020: Statistical Science Seminar**

**Dr Victoria Volodina -**

Harrison 101 14:30-15:30

**Wednesday 22 Apr 2020: [Seminar] The JCMT BISTRO Survey: Variation of  
magnetic field and grain alignment properties within the Ophiuchus  
Molecular Cloud**

**Kate Pattle - National University of Ireland Galway**

Remote seminar 14:00-15:00

**Tuesday 21 Apr 2020: [Journal Club] Title: Stellar Winds from T Tauri Stars  
in Halpha**

**Tom Wilson - University of Exeter**

Zoom 11:15-11:50

**Tuesday 07 Apr 2020: [Journal Club] Title: Cancer research using Monte Carlo modelling**

**Laura Moran - University of Exeter**

Zoom 11:15-11:50

**Thursday 02 Apr 2020: Modelling the asymmetry of Rayleigh-Taylor mixing**

**Dr. Andrew Hillier - University of Exeter**

Online 14:30-15:30

**Tuesday 31 Mar 2020: [Journal Club] Title: Tuning spin evolution models to cluster rotation data**

**Angela Breimann - University of Exeter**

Zoom 11:15-11:45

**Friday 27 Mar 2020: Severn Trent Water Network Analysis Project 2016 - Present**

**James Tremlett - MWH Treatment**

TO TAKE PLACE REMOTELY 14:35-15:25

**Thursday 26 Mar 2020: Statistical Science Seminar**

**Dr Jennifer Wadsworth -**

Harrison 101 14:30-16:00

**Thursday 26 Mar 2020: [Postponed] title to be confirmed**

**Prof Sally McClean - University of Ulster**

Harrison 170 14:30-15:30

**Wednesday 25 Mar 2020: TBC**

**Rebecca Hoyle - University of Southampton**

TBC 16:00-18:00

**Tuesday 24 Mar 2020: [Journal Club] Title: The inner astronomical unit of FU Orionis**

**Aaron Labdon - University of Exeter**

NA 11:15-11:55

**Friday 20 Mar 2020: Physical Modelling of Soil Atmosphere Interaction**

**Prof Bernardo Caicedo Hormaza - Universidad de los Andes, Colombia**

TO TAKE PLACE REMOTELY 14:35-15:25

**Thursday 19 Mar 2020: NT Seminar: The value distribution of quantum modular forms (CANCELLED)**

**Dr Sandro Bettin - Universita di Genova**

H103 14:30-16:30

**Thursday 19 Mar 2020: [Cancelled] Image Attribute Editing Using Cyclic Reverse Generator**

**Dr. Hacer YALIM KELES - Ankara University, Turkey**

Harrison 170 14:30-15:30

**Wednesday 18 Mar 2020: 1st Year PhD student talks - Cancelled!!**

**Ross Castle, Brett McKim & Liam Watts - University of Exeter**

Harrison 170 13:00-16:30

**Tuesday 17 Mar 2020: Mathematics Colloquium: From spiders to elliptic curves**

**Paul Glendinning - University of Manchester**

Harrison 103 14:00-15:30

**Monday 16 Mar 2020: TBC**

**Julia Gog - University of Cambridge**

Exchange Green 14:00-16:00

**Friday 13 Mar 2020: Is valuing blue-green-infrastructure beyond our ken?**

**Prof Richard Ashley - University of Sheffield**

Harrison 103 14:35-15:25

**Friday 13 Mar 2020: Nitride single photon sources**

**Rachel Oliver - University of Cambridge**

Newman Red 12:30-12:30

**Thursday 12 Mar 2020: Cancelled: Statistical Science Seminar**

**Dr François-Xavier Briol -**

Harrison 101 14:30-16:00

**Thursday 12 Mar 2020: Dynamics Seminar: Bounds on Lyapunov Exponents for Random and Deterministic Products of Shears**

**Rob Sturman - University of Leeds**

Harrison 106 13:30-14:30

**Thursday 12 Mar 2020: Fellowship Application Workshop**

**Dr Ke Li, Dr Dave Phillips, Dr Chao Wang and Helen Bell -**

Living Systems Institute (Seminar Room B) - link to Penryn Exchange Lecture Theatre 15:30-17:30

**Wednesday 11 Mar 2020: [Seminar] Stellar magnetic fields in the context of spin-down**

**Victor See - University of Exeter**

4th floor, Physics building 14:00-15:00

**Tuesday 10 Mar 2020: Wave amplification phenomena and a novel wave-energy converter**

**Dr Anna Kalogirou - University of Nottingham**

Harrison 103 13:30-16:30

**Tuesday 10 Mar 2020: [Journal Club] Title: Grain growth by sweep-up process in protoplanetary discs.**

**Hazhar Rasull - University of Exeter**

4th Floor Interaction Area, Physics building 11:15-11:35

**Friday 06 Mar 2020: Assessing risk to groundwater contamination from subsurface activities**

**Olivia Milton-Thompson - University of Exeter**

**Harrison 103 14:35-15:25**

**Thursday 05 Mar 2020: The future of high performance computing, and the implications for scientific software development**

**Simon McIntosh-Smith - University of Bristol**

**Harrison 101 15:30-16:30**

**Thursday 05 Mar 2020: NT Seminar: The Real and Complex Moments of Class Number of Primes over Function Fields**

**Asmaa Shamesaldeen - University of Exeter**

**H103 14:30-16:30**

**Thursday 05 Mar 2020: [Cancelled] The Next Internet Frontier: Edge Computing**

**Dr Blesson Varghese - Queen's University Belfast, UK**

**Harrison 170 14:30-15:30**

**Wednesday 04 Mar 2020: [Seminar] Looking for the transits of circumplanetary disks**

**Matthew Kenworthy - Leiden Observatory**

**4th floor, Physics building 14:00-15:00**

**Friday 28 Feb 2020: The future for water: politically, operationally and climatically**

**Prof Ruth Allen - RSKW Group**

**Harrison 103 14:35-15:25**

**Thursday 27 Feb 2020: Adventures in calibration**

**Dr James Salter -**

**Harrison 101 14:30-16:00**

**Thursday 27 Feb 2020: Dynamics Seminar: Inferring the phase response curve from observations**

**Rok Cestnik - Universität Potsdam**

Streatham Court B 13:30-14:30

**Friday 21 Feb 2020: Transforming water network operations using the digital twin**

**David Fortune - Innovyze/University of Exeter**

Harrison 103 14:35-15:25

**Thursday 20 Feb 2020: Fast semi-implicit DG solvers for fluid dynamics: hybridization and multigrid preconditioners**

**Eike Mueller - University of Bath**

Harrison 101 14:30-16:30

**Thursday 20 Feb 2020: NT Seminar: Mod  $p > 0$  reduction of transcendental motives, an arithmetic view**

**Vladimir Guletskii - University of Liverpool**

H103 14:30-16:30

**Monday 17 Feb 2020: [Seminar] Cancelled**

**Oliver Shorttle - University of Cambridge**

4th floor, Physics building 14:00-15:00

**Friday 14 Feb 2020: Testing the standard model of cosmology using large-scale structure**

**Ian McCarthy - Liverpool John Moores University**

Newman Red 12:30-13:30

**Friday 14 Feb 2020: Water quality in Colombia: regulations for peace and equality.**

**Paula Cuero - University of Exeter**

Harrison 103 14:35-15:25

**Thursday 13 Feb 2020: [Joint GAFD/Astrophysics Seminar] Internal Gravity Waves in Stellar Interiors**

**Tamara Rogers - University of Newcastle**

**Harrison 103 14:30-16:30**

**Thursday 13 Feb 2020: Predicting patient engagement in IAPT services: A statistical analysis of Electronic Health Records**

**Dr Alice Davis -**

**Harrison 101 14:30-16:00**

**Thursday 13 Feb 2020: Internal Gravity Waves in Stellar Interiors**

**Prof. Tamara Rogers - University of Newcastle**

**Harrison 103 14:30-16:30**

**Thursday 13 Feb 2020: Dynamics Seminar: Conjugacy classes of real-analytic mappings of the interval**

**Trevor C. Clark - Imperial College London**

**Building:One Constantine Leventis Teaching Room 13:30-14:30**

**Wednesday 12 Feb 2020: [Seminar] Understanding the diversity of exo-atmospheres from hot to ultra-hot Jupiters**

**Vivien Parmentier - University of Oxford**

**4th floor, Physics building 14:00-15:00**

**Tuesday 11 Feb 2020: [Journal Club] Title: Characterizing Hot Jupiters WASP-79b, WASP-62b, WASP-127b with Hubble Space Telescope Transmission Spectra**

**Michelle Bieger - University of Exeter**

**4th Floor Interaction Area, Physics building 11:15-11:35**

**Friday 07 Feb 2020: Impact of hydraulic paths on chlorine degradation in water distribution systems**

**Prof Genevieve Pelletier - Universite Laval, Canada**

Harrison 103 14:35-15:25

**Thursday 06 Feb 2020: NT Seminar: Tame torsion of Jacobians and the tame inverse Galois problem**

**Dr Matthew Bisatt - University of Bristol**

H103 14:30-16:30

**Wednesday 05 Feb 2020: High-fidelity numerical simulation of turbulent flows and bed morphodynamics in small- to large-scale environments**

**Prof Ali Khosronejad - Stony Brook University, New York**

Harrison 107 14:35-15:25

**Tuesday 04 Feb 2020: [Journal Club] Title: The Effects of Stellar Flares on Exoplanetary Atmospheres**

**Robert Ridgeway - University of Exeter**

4th Floor Interaction Area, Physics building 11:15-11:35

**Friday 31 Jan 2020: Four meals away from anarchy - water and food security**

**Prof Ian Barker - Water Policy International Ltd**

Harrison 103 14:35-15:25

**Thursday 30 Jan 2020: Efficient Bayesian model choice for partially observed (infectious disease) processes**

**Dr TJ McKinley -**

Harrison 101 14:30-16:00

**Thursday 30 Jan 2020: Idealised Hurricane Storm Surge Simulations using an Adaptive Discontinuous Galerkin Method**

**Dr Nicole Beisiegel - University College Dublin**

Harrison 103 14:30-16:30

**Thursday 30 Jan 2020: Challenges for modelling fusion plasmas**

**Dr. Wayne Arter - UKAEA**

Harrison 170 14:30-15:30

**Tuesday 28 Jan 2020: Dynamics Seminar: Learning from signals on graphs with unobserved edges**

Michael Schaub - University of Oxford

Harrison 103 13:30-15:30

**Friday 24 Jan 2020: Cavity optomechanics: the ultimate sensor toolbox**

Ying Lia Li - University College London

Newman Red 12:30-13:30

**Friday 24 Jan 2020: Development of modelling led surface water abstraction systems**

Dr James Shucksmith - University of Sheffield

Harrison 103 14:35-15:25

**Thursday 23 Jan 2020: NT Seminar: Hecke Characters and the L-Function Ratios Conjecture**

Dr Ezra Waxman - Technische Universität Dresden

H103 14:30-16:30

**Tuesday 21 Jan 2020: [Journal Club] Title: Evolution of Sulphur in Protoplanetary Disks**

Shrishmoy Ray - University of Exeter

4th Floor Interaction Area, Physics building 11:15-11:40

**Tuesday 21 Jan 2020: Dynamics Seminar: Stabilisation of cyclic processes by slowly varying forcing**

Julian Newman - University of Exeter

Harrison 103 13:30-15:30

**Friday 17 Jan 2020: Experimental and numerical investigation of flow exchange in urban flood flows**

Dr Matteo Rubinato - Coventry University

Harrison 103 14:35-15:25

**Thursday 16 Jan 2020: Weakly supervised machine learning: a REF case study**

**Dr. Raul Santos-Rodriguez - University of Bristol**

Harrison 170 14:30-15:30

**Thursday 16 Jan 2020: Weather Forecasting without the difficult bits**

**Philip Brohan - Met Office**

Harrison 101 15:30-16:30

**Wednesday 15 Jan 2020: [Seminar] Finding the First Quasars with JWST and WFIRST**

**Daniel Whalen - University of Portsmouth**

4th floor, Physics building 14:00-15:00

**Tuesday 14 Jan 2020: [Journal Club] Title: TBD**

**Michelle Wilson - University of Exeter**

4th Floor Interaction Area, Physics building 11:15-11:40

**Friday 10 Jan 2020: Building resilience in the UK water sector: a systems based approach to emergency management**

**Dr Sarah Bunney - University of the West of England**

Harrison 170 14:35-15:25

**Thursday 09 Jan 2020: Simplified Integrated Nested Laplace Approximation**

**Prof Simon Wood - University of Bristol, UK**

Harrison 101 14:30-16:30

**Tuesday 07 Jan 2020: [Journal Club] Title: Selecting Candidate YSOs for WEAVE**

**Andy Wilson - University of Exeter**

4th Floor Interaction Area, Physics building 11:15-11:40

**Wednesday 18 Dec 2019: [Seminar] Light echoes with mol3D - some showcases**

**Dr Verena Wolf - TLS Tautenberg**

4th floor, Physics building 14:00-15:00

**Friday 13 Dec 2019: Water-Energy-Carbon Nexus Modelling for Sustainable Water Planning and Management: A Case Study of City of Penticton, Canada**

**Dr Gyan Chhipi Shrestha - University of British Columbia**

Harrison 170 14:30-15:30

**Thursday 12 Dec 2019: Pure Mathematics Seminar: How sticky is the chaos/order boundary?**

**Prof. Carl Dettmann - University of Bristol**

H103 14:30-16:30

**Wednesday 11 Dec 2019: [Seminar] The SEEDS and Gemini-LIGHTS surveys: Investigating the Structure of Protoplanetary Disks in Scattered Light.**

**Dr Evan Rich - University of Michigan**

4th floor, Physics building 15:00-16:00

**Wednesday 11 Dec 2019: Sound in the Sea: Diving Home for Christmas**

**Tom Cropper, Marine Environment Technical Lead, and Stephanie Allen, Senior Marine Biologist, from the UK Hydrographic Office -**

Alumni Auditorium, The Forum 18:30-20:00

**Tuesday 10 Dec 2019: Direct estimation of entrainment, detrainment and other cloud properties**

**Prof. Peter Clark - University of Reading**

Harrison 103 13:30-15:30

**Tuesday 10 Dec 2019: A stratified age-period-cohort model for spatial heterogeneity in all-cause mortality**

**Dr Theresa Smith - University of Bath, UK**

Harrison 101 14:30-16:30

**Tuesday 10 Dec 2019: Dynamics Seminar: Population distribution as pattern formation on landscapes**

Takaaki Aoki - Kagawa University

Harrison 102 13:30-15:30

**Tuesday 10 Dec 2019: [Journal Club] Title: Internal gravity waves in stars : effect of boosted models**

Arthur Le Saux - University of Exeter

4th Floor Interaction Area, Physics building 11:15-11:40

**Friday 06 Dec 2019: Augmenting the vision of the endoscopist: Seeing early cancer in a new light**

Sarah Bohndiek - University of Cambridge

Newman Red 12:30-13:30

**Friday 06 Dec 2019: Prediction and Prevention of Cholera: The Early Action for Cholera for Cholera (EACH) Project**

Professor Rosa Barciela - Met Office

Harrison 170 14:30-15:30

**Thursday 05 Dec 2019: NT Seminar: Representing quadratic forms by other quadratic forms**

Prof. Lynne Walling - University of Bristol

H103 14:30-16:30

**Thursday 05 Dec 2019: Variational principles for three-dimensional wave-structure-slosh interactions**

Dr. Hamid Alemi Ardakani - University of Exeter

Harrison 101 14:30-16:30

**Thursday 05 Dec 2019: Why Metaheuristics are so appealing for complex problem solving - FSS as a case study**

**Prof. Fernando Buarque - University of Pernambuco, Brazil**

Harrison 170 14:00-15:00

**Thursday 05 Dec 2019: Earth observations and disaster risk decision making: Some examples and opportunities**

**Andrew Kruczkiewicz - Columbia University**

Harrison 170 17:30-18:30

**Wednesday 04 Dec 2019: [Seminar] Building Planetary Systems**

**Prof Richard Alexander - University of Leicester**

4th floor, Physics building 14:00-15:00

**Tuesday 03 Dec 2019: [Journal Club] Title: The habitability of tidally locked planets and how we can relate them to Archean Earth**

**Jake Eager - University of Exeter**

4th Floor Interaction Area, Physics building 11:15-11:40

**Tuesday 03 Dec 2019: Social Enterprise, Innovating To Save The Planet**

**James Brown of Mobiloo -**

The Deck, Innovation Centre, Streatham Campus 17:00-18:45

**Friday 29 Nov 2019: Developing new Blue-Green futures: multifunctional infrastructure to address water challenges**

**Dr Emily O'Donnell - University of Nottingham**

Harrison 170 14:30-15:30

**Thursday 28 Nov 2019: NT Seminar: Computers and number theory**

**Prof. Kevin Buzzard - Imperial College**

H103 14:30-16:30

**Thursday 28 Nov 2019: Programming with Models: Statistical Algorithms for Hierarchical Model Structures using NIMBLE**

**Dr Daniel Turek - Williams College, US**

Harrison 101 14:30-16:30

**Thursday 28 Nov 2019: The Internet of Things: A Radical Change in Network Data Traffic Patterns**

**Dr. Miguel Lopez-Benitez - University of Liverpool**

Harrison 170 14:00-15:00

**Wednesday 27 Nov 2019: [Seminar] Gravitational Instability and Substructure in Protoplanetary Discs**

**Dr Cass Hall - University of Leicester**

4th floor, Physics building 14:00-15:00

**Tuesday 26 Nov 2019: Spatial Scales and Locality of Magnetic Helicity**

**Gareth Hawkes - University of Exeter**

Harrison 170 13:30-15:30

**Tuesday 26 Nov 2019: [Journal Club] Title: Exoplanet Detection through JWST High Contrast Imaging**

**Aarynn Carter - University of Exeter**

4th Floor Interaction Area, Physics building 11:15-11:40

**Tuesday 26 Nov 2019: Dynamics Seminar: Self-propelled Topological Defects**

**Julia M. Yeomans - University of Oxford**

Harrison 103 13:30-15:30

**Friday 22 Nov 2019: Solid-State Spin-Photon Interfaces: Old Friends & New**

**Mete Atatüre - University of Cambridge**

Newman Red 12:30-13:30

**Friday 22 Nov 2019: Delivering First Time Sewerage to Rural Communities in the UK**

**Chris Rogers - Engineering Consultant**

Harrison 170 14:30-15:30

**Thursday 21 Nov 2019: Intelligent Mobile Edge Computing: From Ground to Sky**

**Dr. Kezhi Wang - Northumbria University**

Harrison 170 14:00-15:00

**Thursday 21 Nov 2019: Simulating the Evolution and Eruption of Bipolar Active Regions**

**Dr Stephanie Yardley - University of St Andrews**

Harrison 103 14:30-16:30

**Wednesday 20 Nov 2019: [Seminar] ExoMol 2019: Challenges of modern spectroscopy of exoplanets and other hot atmospheres**

**Dr Sergey Yurchenko - UCL**

4th floor, Physics building 14:00-15:00

**Tuesday 19 Nov 2019: Dynamics Seminar: Stochastic Separation Theorems and One-trial Learning and Error Correction of Legacy AI systems**

**Ivan Tyukin - University of Leicester**

LSI Seminar Room A 13:30-15:30

**Tuesday 19 Nov 2019: Climate Change - Oceans and Ice**

**Prof. Mat Collins - University of Exeter**

Harrison 103 18:30-19:30

**Friday 15 Nov 2019: Coordination in large-scale models in water resources engineering: challenges for water resilience**

**Dr Charles Rouge - University of Sheffield**

Harrison 170 14:30-15:30

**Friday 15 Nov 2019: The University of Colorado Space Weather Technology, Research, and Education Center (SWx TREC)**

**Dr. Thomas Berger - Director, SWx-TREC, University of Colorado**

Forum SR 11 The Steve Edge room 14:30-16:30

**Thursday 14 Nov 2019: NT Seminar: Small Scale Equidistribution of Lattice Points on the Sphere**

**Dr. Peter Humphries - UCL**

H103 14:30-16:30

**Thursday 14 Nov 2019: "Where is the clean air?" A Bayesian decision framework for personalised cycle route selection using INLA**

**Dr Laura Dawkins - Met Office, UK**

LSI Seminar Room A 14:30-16:30

**Wednesday 13 Nov 2019: [Seminar] Linking the initial conditions of star formation to Galactic environment**

**Dr Sarah Ragan - University of Cardiff**

4th floor, Physics building 14:00-15:00

**Wednesday 13 Nov 2019: Introduction To Desalination Technologies**

**Professor Hassan Fath - Egypt-Japan University of Science and Technology**

Harrison 170 14:30-15:30

**Tuesday 12 Nov 2019: Abstractions for Reasoning about Data Object Movement**

**Dr Utz-Uwe Haus - Cray Computers**

Harrison 103 13:30-15:30

**Tuesday 12 Nov 2019: Dynamics Seminar: Spatio-temporal control of cell dynamics**

**Doris Heinrich - Leiden Institute of Physics and Fraunhofer-Institut fuer Silicatforschung ISC**

LSI Seminar Room A 13:30-15:30

**Tuesday 12 Nov 2019: [Journal Club] Title: Photoionisation in Giant Molecular Cloud Complexes**

**Tom Bending - University of Exeter**

Physics Building, 4th floor Interaction area 11:15-11:35

**Friday 08 Nov 2019: The physics of flavour**

**Patrick Koppenburg - Nikhef**

Newman Red 12:30-13:30

**Friday 08 Nov 2019: Water is Life**

**Dr Abayomi Abatan - University of Exeter**

Harrison 170 14:30-15:30

**Thursday 07 Nov 2019: [Joint CGAFD/Astrophysics seminar] How do Planets Generate Their Magnetic Fields?**

**Prof. Peter Davidson - University of Cambridge**

Harrison 101 14:30-16:30

**Thursday 07 Nov 2019: NT Seminar: Doing algebraic K-theory algebraically**

**Dr Bernhard Koeck - University of Southampton**

H103 14:30-16:30

**Thursday 07 Nov 2019: How do Planets Generate Their Magnetic Fields?**

**Prof. Peter Davidson - University of Cambridge**

Harrison 101 14:30-16:30

**Wednesday 06 Nov 2019: [Seminar] Asteroseismology & Applied Statistics**

**Oliver Hall - University of Birmingham**

4th floor, Physics building 14:00-15:00

**Tuesday 05 Nov 2019: Dynamics Seminar: From Lorenz to Lorenz: Principles and Possibilities in the Phase Space of Animal Behavior**

**Greg Stephens - VU Amsterdam**

Harrison 103 13:30-15:30

**Tuesday 05 Nov 2019: [Journal Club] Title: Let's talk about mental health**

**Victor See - University of Exeter**

Physics Building, 4th floor Interaction area 11:15-11:35

**Friday 01 Nov 2019: Designing for Wellbeing and Climate Resilience - What do we mean when we talk about Green Infrastructure?**

**Richard Brown - Arup**

Harrison 170 14:30-15:30

**Thursday 31 Oct 2019: Latency-Optimal vNF Orchestration at the Network Edge**

**Prof. Dimitrios Pezaros - University of Glasgow**

Harrison 170 14:00-15:00

**Thursday 31 Oct 2019: NT Seminar: Distribution of Inverses and Moments of Dirichlet  $L$ -functions**

**Michael Yiasemides - University of Exeter**

H103 14:30-16:30

**Thursday 31 Oct 2019: Flexible models for nonstationary dependence: methodology and a risk analysis example**

**Dr Ben Youngman - University of Exeter**

Harrison 101 14:30-16:30

**Wednesday 30 Oct 2019: [Seminar] How exoplanets are affected by their host stars**

**Prof Aline Vidotto - Trinity College Dublin**

4th floor, Physics building 14:00-15:00

**Tuesday 29 Oct 2019: Dynamics Seminar: The 2-body problem on surfaces of constant curvature**

**James Montaldi - University of Manchester**

Harrison 103 13:30-15:30

**Tuesday 29 Oct 2019: [Journal Club] Title: Spatial Statistics in Star Forming Regions**

**Brendan Retter - University of Exeter**

Physics Building, 4th floor, Interaction area 11:15-11:35

**Tuesday 29 Oct 2019: Stratification effects in anelastic convection**

**Dr. Laura Currie - University of Exeter**

Harrison 170 13:30-15:30

**Friday 25 Oct 2019: Modelling flooding impact to bridges and roads**

**Dr Maria Pregnolato - University of Bristol**

Harrison 170 14:30-15:30

**Thursday 24 Oct 2019: NT Seminar: An explicit reciprocity law for the GSp(4)-Euler system**

**Prof. Sarah Zerbès - UCL**

H103 14:30-16:30

**Thursday 24 Oct 2019: From Physics PhD to Entrepreneur with Steve Kitson**

**Steve Kitson -**

Innovation Centre Cafe 16:30-18:15

**Wednesday 23 Oct 2019: [Seminar] Superstructures and turbulence in Rayleigh-Benard convection**

**Dr Dimitar Vlaykov - University of Exeter**

4th floor, Physics building 14:00-15:00

**Tuesday 22 Oct 2019: A Mechanism of the Madden-Julian Oscillation and its Relation to Excitable Media**

**Prof. Geoff Vallis - University of Exeter**

Harrison 103 13:30-15:30

**Tuesday 22 Oct 2019: [Journal Club] Title: Solar/Stellar Wind Angular Momentum-loss**

**Adam Finley - University of Exeter**

Physics Building, 4th floor, Interaction area 11:15-11:35

**Friday 18 Oct 2019: A GIS-based Multi-Criteria Analysis (MCDA) approach for water shortage risk mapping**

**Professor Iana Rufino - Federal University of Campina Grande, Brazil**

Harrison 170 14:30-15:30

**Thursday 17 Oct 2019: NT Seminar: Induced Hopf Galois structures and its Hopf Galois modules**

**Prof. Anna Rio - Universitat Politecnica de Catalunya - UPC**

H103 14:30-16:30

**Thursday 17 Oct 2019: Democratisation of A.I - From Intelligent Space Probes to Cognitive Coffee Machines - how everyone can make the world a better place with consumable A.I technology**

**John McNamara - IBM**

Harrison 170 14:00-15:00

**Thursday 17 Oct 2019: Bayesian Modelling Frameworks for Under-Reporting and Delayed Reporting in Count Data**

**Dr Oliver Stoner - University of Exeter**

Harrison 101 14:30-16:30

**Thursday 17 Oct 2019: Computing Poincare constants**

**Lyonell Boulton - Heriot Watt University**

Peter Lanyon Lecture 4 15:00-16:00

**Wednesday 16 Oct 2019: [Seminar] Contemporary explorations of exoplanetary atmospheres in 3D**

**Dr Graham Lee - University of Oxford**

4th floor, Physics building 14:00-15:00

**Wednesday 16 Oct 2019: IRIS Data Workshop**

**Dr. Vanessa Polito - LMSAL**

Peter Chalk 1.3 13:30-16:30

**Tuesday 15 Oct 2019: [Journal Club] Title: A New Set of Atmosphere and Evolution Models for Cool Brown Dwarfs and Giant Exoplanets**

**Mark Phillips -**

4th Floor Interaction Area, Physics building 11:15-11:35

**Monday 14 Oct 2019: Scientific Data and AI Computing**

**Dr. Zhihong SHEN; Dr. Jue Wang - Chinese Academy of Science**

Harrison 170 10:30-11:30

**Friday 11 Oct 2019: I-React, the first modular solution to integrate and analyse in real-time a set of data coming from different sources to provide an action-based warning system.**

**Martin Dolan - Oxford Brookes University/Aquobex**

Harrison 170 14:30-15:30

**Friday 11 Oct 2019: Physicist in kitchen**

**Andrey Varlamov - Institute of Superconductivity and Innovative Materials (CNR, Italy)**

Newman Red 12:30-13:30

**Thursday 10 Oct 2019: Pure Mathematics Seminar: New families of axial algebras of Monster type**

**Prof. Sergey Shpectorov - University of Birmingham**

H103 14:30-16:30

**Thursday 10 Oct 2019: LFRic and PSyclone: Towards the Next Generation Modelling Systems**

**Dr Iva Kavcic - Met Office**

Harrison 101 14:30-16:30

**Wednesday 09 Oct 2019: [Seminar] The Effects of Stellar Magnetic Activity and Variability on Observations of Exoplanets**

**Dr Brett Morris - University of Bern**

4th floor, Physics building 15:15-16:15

**Tuesday 08 Oct 2019: Dynamics Seminar: Towards the control of transitional flows**

**Anton Pershin - University of Leeds**

Harrison 103 13:30-15:30

**Friday 04 Oct 2019: Integrating Remote Sensing and Hydrodynamic Modelling for Regional Flood Impact Analysis**

**Dr Huili Chen - Loughborough University**

Harrison 170 14:30-15:30

**Thursday 03 Oct 2019: NT Seminar: Picard groups of group algebras**

**Dr Florian Eisele - University of Glasgow**

H103 14:30-16:30

**Wednesday 02 Oct 2019: [Seminar] Radiative transfer modelling of protoplanetary discs**

**Anna Laws - University of Exeter**

4th floor, Physics building 14:00-15:00

**Tuesday 01 Oct 2019: Dynamics Seminar: Mathematical modeling of circadian rhythms: gene expression, membrane excitability, and jet lag**

**Casey Diekman - NJIT**

Harrison 103 13:30-15:30

**Thursday 26 Sep 2019: NT Seminar: The first Drinfeld covering and equivariant D-modules on rigid spaces**

**Prof. Konstantin Ardakov - University of Oxford**

H103 14:30-16:30

**Thursday 26 Sep 2019: Pumps, Maps and More Pea Soup**

**Professor Gavin Shaddick -**

Harrison 004 18:00-20:00

**Wednesday 25 Sep 2019: [Seminar] Using astrophysics to improve breast cancer detection**

**Laura Moran - University of Exeter**

4th floor, Physics building 14:00-15:00

**Tuesday 24 Sep 2019: Dynamics Seminar: Generalized Farey sequences**

**Chris Lutsko - University of Bristol**

Harrison 103 13:30-15:30

**Wednesday 18 Sep 2019: [Seminar] Statistical fitting of rotational evolution models**

**Angie Breimann - University of Exeter**

4th floor, Physics building 14:00-15:00

**Tuesday 17 Sep 2019: [Journal Club] Direct Detection of Solar Angular Momentum Loss using the WIND Spacecraft**

**Amy Hewitt -**

4th Floor Interaction Area, Physics building 11:15-11:35

**Monday 16 Sep 2019: Symmetries and Cluster Synchronization in Undirected Complex Networks (Mathematics Colloquium)**

**Louis M. Pecora - US Naval Research Laboratory, USA**

Harrison 101 14:00-15:00

**Friday 30 Aug 2019: Translating Computer Vision Research to Real-World Applications**

**Dr Moi Hoon Yap -**

Harrison 170 13:30-14:15

**Wednesday 21 Aug 2019: [Seminar] Dusty disk winds near the sublimation rim of T tauri stars**

Aaron Labdon - University of Exeter

4th floor, Physics building 14:00-15:00

**Thursday 08 Aug 2019: ROCKE-3D: From the Ancient Moon to Proxima Centauri b. A highly capable 3-D GCM.**

Prof Michael Way - NASA GISS

4th Floor, Physics Building 11:30-12:30

**Thursday 08 Aug 2019: Are rocky exoplanets toast? How we will find out, and why hurricanes can help us get there.**

Dr Daniel Koll - MIT, USA

Harrison 106 14:30-15:30

**Friday 12 Jul 2019: Sponge city: A novel solution for urban management paradigm**

Professor Haifeng Jia - Tsinghua University

Harrison 170 14:30-15:30

**Friday 12 Jul 2019: [Journal Club] Molecular diffusion in the atmospheres of hot Jupiters**

Elise Evans -

4th Floor Interaction area, Physics building 11:15-11:30

**Thursday 11 Jul 2019: Partitions of a Certain Family of Subgroups of Perm(G)**

Alan Koch - Agnes Scott College, Georgia, USA

Amory C417 14:00-15:00

**Thursday 11 Jul 2019: Hopf-Galois module structure of a class of tame quaternion fields**

**Paul Truman - Keele University**

Amory C417 15:15-16:15

**Wednesday 10 Jul 2019: [Seminar] Origin, nature and evolution of interstellar grains**

**Dr Svitlana Zhukovska - University of Exeter**

4th Floor, Physics Building 14:00-15:00

**Wednesday 03 Jul 2019: [Seminar] Shining Light on the Dark ISM**

**Dr Joanne Dawson - Macquarie University**

4th Floor, Physics Building 14:00-15:00

**Thursday 27 Jun 2019: The Role of Edge Computing in 5G and Beyond**

**Prof. Ning Wang - University of Surrey**

Laver LT3 14:00-15:00

**Thursday 20 Jun 2019: New sources of data for high-resolution environmental models**

**Malcolm Kitchen - MET office**

Laver LT3 14:30-15:30

**Wednesday 19 Jun 2019: [Seminar] 3D stellar cartography: Revealing the structure of the Local Group with variable stars**

**Dr Victoria Scowcroft - University of Bath**

4th Floor, Physics Building 14:00-15:00

**Wednesday 12 Jun 2019: [Seminar] A new scenario for the magneto-rotational evolution of low-mass stars (< 1.3 solar mass) from pre-main-sequence to mid main-sequence**

**Prof Alessandro Lanzafame - University of Catania**

4th Floor, Physics Building 14:00-15:00

**Wednesday 05 Jun 2019: [Seminar] Impacts, Habitability and Abiogenesis on Exoplanets**

**Dr Paul Rimmer - University of Cambridge**

4th Floor, Physics Building 14:00-15:00

**Wednesday 05 Jun 2019: CEMPS Engineering Seminar**

**Professor David Zhang, University of Exeter -**

Harrison 170 13:30-14:15

**Tuesday 04 Jun 2019: [Journal Club] TBC**

**Laura Moran - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Wednesday 29 May 2019: [Seminar] Rotational evolution of young low-mass stars**

**Dr Louis Amard - University of Exeter**

4th Floor, Physics Building 14:00-15:00

**Tuesday 28 May 2019: The Arctic warming hot spot and its linkages to mid latitudes in boreal winter**

**Tore Furevik -**

Laver LT6 11:30-12:30

**Tuesday 28 May 2019: [Journal Club] Particle growth and motion in protoplanetary discs**

**Hazhar Rasull - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 23 May 2019: [Seminar] BRINGING SPACE EXPLORATION AI APPLICATIONS BACK TO EARTH: Machine Learning for Exoplanet research Lessons and results from NASA Frontier Development Lab**

**Dr Daniel Angerhausen - University of Bern, Switzerland**

4th Floor, Physics Building 11:30-12:30

**Thursday 23 May 2019: NT Seminar: Large values of Maass forms with (p-adic)-analytic origin**

**Edgar Assing - University of Bristol**

**Harrison 209 14:30-15:30**

**Thursday 23 May 2019: Climate Change Impacts on Hydrology, Water Resources and Water Use Sectors: Cases from Asian Countries**

**Professor Mukand Babel - Asian Institute of Technology, Thailand**

**Laver LT3 10:30-11:30**

**Wednesday 22 May 2019: [Seminar] Adventures in High Angular Resolution Astrophysics**

**Prof. Michael Sitko - University of Cincinnati and Space Science Institute, Boulder**

**4th Floor, Physics Building 14:00-15:00**

**Tuesday 21 May 2019: [Journal Club] Data reduction hell**

**Anna Laws - University of Exeter**

**4th Floor Interaction Area 11:15-11:45**

**Monday 20 May 2019: Dynamics Seminar**

**Greg Stephens - Vrije, Amsterdam**

**H209 14:30-15:30**

**Wednesday 15 May 2019: On the Scale, Concentration and Dynamics of Crime**

**Professor Ronaldo Menezes, Head of Science, University of Exeter -**

**Harrison 004 18:00-20:00**

**Tuesday 14 May 2019: Applied Science and Risk Modelling in the Re-Insurance Industry**

**Tom Philp - AXA XL**

**H170 14:30-15:30**

**Tuesday 14 May 2019: [Journal Club] TBC**

**Angela Breimann - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 14 May 2019: Floodproofing techniques for risk mitigation in urban area**

**Prof Giuseppe Aronica - University of Messina**

Harrison 170 15:30-16:30

**Monday 13 May 2019: Shear instabilities at low Peclet number**

**Prof. Pascale Garaud - University of California, Santa Cruz**

Harrison 170 14:30-15:30

**Thursday 09 May 2019: Interactive Machine Learning**

**Prof. Thomas Gaertner - University of Nottingham**

IAIS Building/LT2 14:30-15:30

**Wednesday 08 May 2019: Elasticity Day 2019**

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Streatham Court B Lecture Theatre 09:00-18:00

**Tuesday 07 May 2019: [Journal Club] An Introduction to Interferometric Instrumentation**

**Aaron Labdon - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Friday 03 May 2019: [Seminar] Models of Diffuse Ionised Gas in star-forming galaxies**

**Dr Bert Vandenbroucke - University of St Andrews**

4th Floor, Physics Building 14:00-14:30

**Friday 03 May 2019: [Seminar] The Impact of Photo-ionization Feedback on Massive Star Formation**

**Nina Sartorio - University of St Andrews**

4th Floor, Physics Building 14:30-15:00

**Thursday 02 May 2019: Identifying binary strings with noisy oracles**

**Prof. Jon Rowe - University of Birmingham**

IAIS Building/LT2 14:30-15:30

**Thursday 02 May 2019: Statistical Science- George Fullegar Exeter Data Mill**

**George Fullegar - Exeter Data Mill**

Laver LT6 13:30-14:30

**Wednesday 01 May 2019: [Seminar] Atmospheric Convection on Tidally-Locked Earth-like Exoplanets**

**Dr Denis Sergeev - University of Exeter**

4th Floor, Physics Building 14:00-15:00

**Wednesday 01 May 2019: CEMPS Seminar**

**Professor David Butler, University of Exeter - Water Systems Engineering -**

Harrison 170 13:30-14:15

**Wednesday 01 May 2019: tbc**

**Jiankai Zhang -**

H170 11:30-12:30

**Tuesday 30 Apr 2019: [Journal Club] TBC**

**Sebastian Zarrilli - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 29 Apr 2019: Dynamics Seminar: Regulation of NF-kB dynamics and function through control of noisy feedback loops**

**Mike White - Manchester**

LSI Seminar Room B 14:30-15:30

**Wednesday 24 Apr 2019: Atmospheric response to Arctic sea ice decline in global climate model experiments: sensitivity to the sea ice pattern and experimental set up**

**Rym Msadek - CERFACS**

H170 11:30-12:30

**Tuesday 23 Apr 2019: [Journal Club] Parameterisation of Convective Core Overshooting within Massive Stellar Interiors**

**Joshua Clarke - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 16 Apr 2019: [Journal Club] TBC**

**Robbie Ridgway - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 15 Apr 2019: [Seminar] The resonant structure of galaxy discs**

**Prof. John Beckman - IAC (Instituto de Astrofísica de Canarias)**

4th Floor, Physics Building 14:00-15:00

**Thursday 11 Apr 2019: Statistical Science seminar- Prof Mark Briers "Statistical Challenges in Cyber Security"**

**Prof Mark Briers - The Alan Turing Institute**

H101 14:30-15:30

**Tuesday 09 Apr 2019: [Journal Club] Modelling the radiative-convective boundary in planets and stars using Dedalus**

**Simon Lance - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 08 Apr 2019: Dynamics Seminar**

**Prof Tom Ward - Leeds**

H103 14:30-15:30

**Thursday 04 Apr 2019: Workshop on Multiple Criteria Decision Making (MCDM)**

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LT1, Institute of Arabic and Islamic Studies University of Exeter Streatham  
Campus 08:30-17:00

**Wednesday 03 Apr 2019: Estimating Sea Ice Parameters with Satellite Data Synergy**

**Prof. Shiming Xu - Tsinghua University**

Laver LT6 16:00-17:00

**Wednesday 03 Apr 2019: Statistical Science- Prof Shiming Xu "Estimating Sea Ice Parameters with Satellite Data Synergy"**

**Prof Shiming Xu - Tsinghua University**

Laver LT6 16:00-17:00

**Wednesday 03 Apr 2019: The North Pacific pacemaker effect on historical ENSO and its mechanisms**

**Dillon Amaya -**

H170 10:30-11:30

**Tuesday 02 Apr 2019: [Journal Club] Radiative Transfer Simulations of T-Tauri Star-Disk Interactions**

**Tom Wilson - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 28 Mar 2019: NT Seminar: Singular moduli for real quadratic fields and p-adic mock modular forms**

**Dr. Jan Vonk - University of Oxford**

H103 14:30-15:30

**Thursday 28 Mar 2019: Simple likelihood approximations for latent variable models: computational and statistical scalability**

**Dr Anthony Lee - University of Bristol**

Laver LT6 14:30-15:30

**Thursday 28 Mar 2019: Mathematical Physics Seminar: Quantum Physics, prime numbers and Riemann zeros**

**Prof. German Sierra - Institute of Theoretical Physics UAM-CSIC, Madrid**

H103 15:30-16:30

**Thursday 28 Mar 2019: Statistical science seminar Dr Anthony Lee "Simple likelihood approximations for latent variable models: computational and statistical scalability."**

**Dr Anthony Lee - University of Bristol**

Laver LT6 14:30-15:30

**Wednesday 27 Mar 2019: [Seminar] Toward Consistent Modelling of Atmospheric Chemistry and Dynamics in Exoplanets**

**Dr Shami Tsai - University of Oxford**

4th Floor, Physics Building 14:00-15:00

**Tuesday 26 Mar 2019: [Journal Club] The formation of Young Massive Clusters via the Collision of Clouds**

**Kong Liow - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 25 Mar 2019: Dynamics Seminar**

**Jose Ferreira Alves - University of Porto**

H103 14:30-15:30

**Monday 25 Mar 2019: Small-Scale Structures of the Earth's Magnetopause Kelvin-Helmholtz Waves with MMS**

**Rungployphan Kieokaew - University of Exeter**

Harrison 170 14:30-16:30

**Friday 22 Mar 2019: How flood modelling underpins flood management in England**

**Dr Jon Wicks - Jacobs**

Harrison 170 13:30-14:30

**Friday 22 Mar 2019: Fast stretching of paired vortex filaments in axisymmetric and general geometry**

**Andrew Gilbert - University of Exeter**

Exchange Green 15:00-16:00

**Thursday 21 Mar 2019: NT Seminar: A Density of Ramified Primes - CANCELLED**

**Dr. Christine McMeekin - Max Planck Institute**

H103 14:30-16:30

**Wednesday 20 Mar 2019: [Seminar] SPIDI: the search for disk-embedded, inner planetary systems.**

**Dr Jerome Bouvier - Universit  Grenoble Alpes**

4th Floor, Physics Building 14:00-15:00

**Tuesday 19 Mar 2019: Jupiter's deep atmosphere revealed by Juno**

**Prof. Yohai Kaspi - Weizmann Institute of Science, Israel**

Amory C417 14:30-15:30

**Monday 18 Mar 2019: Dynamics Seminar**

**Stefano Luzzatto - ICTP, Trieste**

Streatham Court 0.28 14:30-15:30

**Friday 15 Mar 2019: Rapid Scenario Screening for Resilient Surface Water Management**

**James Webber - University of Exeter**

Harrison 170 13:30-14:30

**Thursday 14 Mar 2019: NT Seminar: A Neron-Ogg-Shafarevich criterion for K3 surfaces**

**Prof. Christopher Lazda - University of Amsterdam**

H103 14:30-16:30

**Wednesday 13 Mar 2019: [Seminar] Exoplanet Observations and ARIEL**

**Prof. Giovanna Tinetti - UCL**

4th Floor, Physics Building 14:00-15:00

**Tuesday 12 Mar 2019: The Topology of Skin Cancer**

**Freddy Wordingham - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 11 Mar 2019: Dynamics Seminar: Emergence of multistability by neuron-glia interactions**

**Maurizio de Pitta - BCAM, Bilbao**

LSI Seminar Room A 14:30-15:30

**Monday 11 Mar 2019: 1st Year PhD students' mid-year report**

**Megan Maunder, Paul Bowen and Giulia Murtas - University of Exeter**

Harrison 170 14:30-17:00

**Monday 11 Mar 2019: Statistical Science seminar- Mark Girolami**

**Prof Mark Girolami -**

LSI Seminar Room B 14:00-15:00

**Friday 08 Mar 2019: Quantum technologies for computational imaging.**

**Daniele Faccio - Glasgow**

Newman Red 12:30-13:30

**Friday 08 Mar 2019: Using remote sensing to refine water-use estimates, explore air quality, and prediction of the soil moisture**

**Prof. Alireza Farid - Ferdowsi University of Mashhad, Iran**

Harrison 170 13:30-14:30

**Thursday 07 Mar 2019: NT Seminar: p-adic Tate conjectures**

**Oli Gregory - Technische Universitat Munchen**

H103 14:30-16:30

**Tuesday 05 Mar 2019: [Journal Club] Atmosphere and Evolutionary Models for Brown Dwarf and Giant Exoplanets**

**Mark Phillips - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 04 Mar 2019: Drivers and impacts of fire in global vegetation models: Results of the fire model intercomparison project**

**Gitta Lasslop - MPI**

H170 14:30-15:30

**Monday 04 Mar 2019: Dynamics Seminar: Periodic orbit growth on covers of Anosov flows**

**Richard Sharp - Warwick**

H103 14:30-15:30

**Friday 01 Mar 2019: What makes a rewarding career**

**David Evans - David Evans Ltd**

Harrison 170 13:30-14:30

**Thursday 28 Feb 2019: [Seminar] Asteroseismology of fast-rotating stars : the contribution of two-dimensional calculations**

**Dr Giovanni Mirouh - University of Surrey**

4th Floor, Physics Building 11:30-12:30

**Thursday 28 Feb 2019: NEST Seminar: Graphene on waveguides: unexpected physics and innovative fabrication**

**Prof Nathalie Vermeulen - Vrije Universiteit Brussel**

H170 10:30-11:30

**Thursday 28 Feb 2019: Statistical Science- Prof Owen Jones "Fitting a spatial-temporal rainfall model using Approximate Bayesian Computation"**

**Prof Owen Jones - Cardiff University**

H101 14:30-15:30

**Thursday 28 Feb 2019: Dynamically Consistent Parameterization of Mesoscale Eddies**

**Dr Pavel Berloff - Imperial College London**

Harrison 103 14:30-16:30

**Tuesday 26 Feb 2019: NEST Seminar: Engineering porous materials for sustainable energy applications**

**Dr Valeska Ting - University of Bristol**

H170 12:30-13:30

**Tuesday 26 Feb 2019: [Journal Club] Detection of Na, K and H<sub>2</sub>O in the atmosphere of WASP-6b**

**Aarynn Carter - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 25 Feb 2019: Dynamics Seminar: How does attention shape the perception and cortical representation of sound?**

**Alex Billig - UCL**

LSI Seminar Room B 14:30-15:30

**Friday 22 Feb 2019: The road not taken: quantum mechanics without a wavefunction**

**Simone Sturniolo - Rutherford Appleton Laboratory**

Newman Red 12:30-13:30

**Friday 22 Feb 2019: Embedding debris-induced bridge scour into bridge management practice**

**Diego Panici - University of Exeter**

Harrison 170 13:30-14:30

**Thursday 21 Feb 2019: Deep learning driven mobile traffic analysis**

**Dr. Paul Patras - University of Edinburgh**

IAIS Building/LT2 14:30-15:30

**Thursday 21 Feb 2019: NT Seminar: TBA**

**Prof. Nigel Byott - University of Exeter**

H101 14:30-16:30

**Thursday 21 Feb 2019: NEST Seminar: Silicon photonics device prototyping using the CORNERSTONE platform**

**Dr Callum G. Littlejohns - Optoelectronics Research Centre, University of Southampton, Southampton, SO17 1BJ, UK.**

H170 12:30-13:30

**Wednesday 20 Feb 2019: [Seminar] Statistical Shape Analysis and Classification of Galactic HII Regions**

**Justyn Campbell-White - University of Kent**

4th Floor, Physics Building 14:00-15:00

**Tuesday 19 Feb 2019: [Journal Club] TBC**

**Brendan Retter - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 18 Feb 2019: Dynamics Seminar**

**Conor Houghton - Bristol**

LSI Seminar Room A 14:30-15:30

**Friday 15 Feb 2019: All Change Please**

**Trevor Bishop - Ofwat**

Harrison 170 13:30-14:30

**Thursday 14 Feb 2019: Width of Earth's intertropical convergence zone: energetic constraints, dynamical constraints and influence on climate sensitivity**

**Dr Michael Byrne - Imperial College London**

Harrison 103 14:30-16:30

**Thursday 14 Feb 2019: Multiple selves preference models in decision analysis and decision theory**

**Prof. Salvatore Greco - University of Portsmouth**

Laver LT6 14:30-15:30

**Thursday 14 Feb 2019: Pure/Dynamics Seminar: Coexistence phenomena for dissipative maps**

**Michael Benedicks -**

H101 14:30-15:30

**Thursday 14 Feb 2019: The dynamics of hybrid cyclones in a composite potential vorticity framework**

**Julian Quinting -**

H170 11:30-12:30

**Wednesday 13 Feb 2019: [Seminar] Three-Dimensional Mapping of Tropospheric Humidity via Radio Interferometry of Commercial Aircraft Broadcasts**

**Dr Chris Brunt - University of Exeter**

4th Floor, Physics Building 14:00-15:00

**Wednesday 13 Feb 2019: Mathematics Colloquium: Periods and chaos in dynamical systems**

**Prof. Michael Benedicks - Uppsala University, Sweden**

H103 14:30-15:30

**Tuesday 12 Feb 2019: [Journal Club] Photoionisation in Giant Molecular Cloud Complexes**

**Tom Bending - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 11 Feb 2019: Dynamics Seminar: Computing dynamical invariants and an application to finite continued fractions.**

**Mark Pollicott - Warwick**

H103 14:30-15:30

**Friday 08 Feb 2019: Bio-inspired Photonics: from nature to applications**

**Silvia Vignolini - Cambridge**

Newman Red 12:30-13:30

**Friday 08 Feb 2019: Citizen science for environmental research**

**Svetlana Klessova - inno Group**

Harrison 170 13:30-14:30

**Thursday 07 Feb 2019: Mars' annular polar vortices: Cause and stability**

**Dr William Seviour - University of Bristol**

Harrison 103 14:30-16:30

**Tuesday 05 Feb 2019: [Journal Club] Simulating star-forming regions with AMUSE**

**Dr. Steven Rieder - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Friday 01 Feb 2019: Taking the P**

**Dr Nick Gardner - South West Water**

Harrison 170 13:30-14:30

**Friday 01 Feb 2019: Controlling electromagnetic fields with plasmonic metasurfaces: the effect of singularities**

**Dr Paloma Arroyo Huidobro - Imperial College**

Streatham Court C 12:30-13:30

**Thursday 31 Jan 2019: Nature-Inspired Optimization Algorithms: Analysis and Open Problems**

**Prof. Xin-She Yang - Middlesex University**

IAIS Building/LT2 14:30-15:30

**Thursday 31 Jan 2019: Statistical Science- Dr Tim Morris "Using simulation studies to evaluate statistical methods"**

**Tim Morris - MRC Clinical Trials Unit at UCL**

H101 14:30-15:30

**Thursday 31 Jan 2019: NT Seminar: From elementary number theory to string theory, and back again**

**Prof. Johannes Nicaise - Imperial College**

H103 14:30-16:30

**Tuesday 29 Jan 2019: [Journal Club] Selecting Candidate Young Stellar Objects for WEAVE**

**Andy Wilson - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 28 Jan 2019: Dynamics Seminar**

**Francoise Pene - University of Brest, France**

H103 14:30-15:30

**Friday 25 Jan 2019: Between Drought and Floods: The role of Rural Support Programmes Network in Pakistan in addressing the water issue**

**Dr Abdur Rehman Cheema - University of Oxford**

Harrison 170 13:30-14:30

**Thursday 24 Jan 2019: Statistical science seminar Dr Claudia Neves "On trend estimation and testing with application to extreme rainfall"**

**Claudia Neves - University of Reading**

H101 14:30-15:30

**Thursday 24 Jan 2019: NT Seminar: A Galois counting problem**

**Sam Chow - University of Oxford**

H103 14:30-16:30

**Thursday 24 Jan 2019: Transport simulations in nanostructured thermoelectric materials**

**Dr Neophytos Neophytou - University of Warwick**

Harrison H170 12:30-13:30

**Monday 21 Jan 2019: [Joint GAFD/Astrophysics Seminar] Force balance in convectively driven dynamos with no inertia**

**Prof. David Hughes - University of Leeds**

Harrison H103 14:30-16:30

**Monday 21 Jan 2019: Force balance in convectively driven dynamos with no inertia**

**Prof. David Hughes - University of Leeds**

Harrison 103 14:30-16:30

**Monday 21 Jan 2019: Dynamics Seminar: Solitary States for Coupled Oscillators and Power Grids**

**Yuri Maistrenko - Kiev**

H209 14:30-15:30

**Friday 18 Jan 2019: TBA**

**Jennifer Thomas - UCL**

Newman Red 12:30-13:30

**Friday 18 Jan 2019: Integrated Control Strategies and Licensing Approaches for Urban Wastewater Systems**

**Biniam Ashagre - Anglia Ruskin University**

Harrison 170 13:30-14:30

**Thursday 17 Jan 2019: Statistical Science- Prof Obi Ukoumunne- Cluster randomised trials**

**Prof Obi Ukoumunne - University of Exeter**

H101 14:30-15:30

**Thursday 17 Jan 2019: NT Seminar: Regular models of curves**

**Prof. Tim Dokchister - University of Bristol**

H103 14:30-16:30

**Thursday 17 Jan 2019: Complex Systems Modeling of Cultural Products and Influence Networks**

**Dr. Juyong Park - KAIST, South Korea**

IAIS Building/LT2 14:30-15:30

**Tuesday 15 Jan 2019: [Journal Club] Stellar Wind Braking: The Sun During the last nine millennia**

**Adam Finley - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 14 Jan 2019: Resonance and universality in dynamical systems - a discussion**

**Dr. John Bruun - University of Exeter**

Harrison 170 14:30-16:30

**Thursday 10 Jan 2019: 3D Morphable Models of Faces for Medical Applications**

**Dr Athanasios (Thanos) Papaioannou - Institute of Child Health, University College London and Great Ormond Street Hospital**

IAIS Lecture Theatre 1 14:30-15:30

**Wednesday 09 Jan 2019: [Seminar] Exoplanet atmospheres at high spectral resolution**

**Dr Matteo Brogi - University of Warwick**

4th Floor, Physics Building 14:30-15:30

**Friday 14 Dec 2018: What is the social the social analysis of knowledge? With special reference to physics**

Harry Collins - Cardiff

Newman Red 12:30-13:30

**Thursday 13 Dec 2018: NT Seminar: Euler systems and p-adic L-functions for Siegel modular forms**

Prof. David Loeffler - University of Warwick

H103 14:30-16:30

**Wednesday 12 Dec 2018: [Seminar] Filaments, feedback and forming the Rosette - MHD simulation of cloud formation by the thermal instability and consequent massive star feedback**

Dr Chris Wareing - University of Leeds

4th Floor, Physics Building 14:00-15:00

**Monday 10 Dec 2018: Dynamics Seminar: Mean-field dynamics for aggregation in stochastic particle systems**

Stefan Grosskinsky - Warwick

H103 14:30-15:30

**Monday 10 Dec 2018: Sync or swim? How microorganisms navigate fluid environments**

Dr Kirsty Wan - University of Exeter

H103 14:30-16:30

**Friday 07 Dec 2018: Robotic microscopy for everyone: high-end instruments you can 3D print**

Richard Bowman - Bath

Newman Red 12:30-13:30

**Friday 07 Dec 2018: Property Flood Resilience, supporting uptake through evidence and case studies**

**Prof. Jessica Lamond - University of the West of England**

Harrison 170 13:30-14:30

**Thursday 06 Dec 2018: Pure Mathematics Seminar: Induction on scales**

**Jonathan Bennett - University of Birmingham**

H103 14:30-16:30

**Thursday 06 Dec 2018: Statistical Science -Hailang Du "Beyond Strictly Proper Scores: The Importance of Being Local"**

**Dr Hailiang Du - Durham University**

H101 14:30-15:30

**Thursday 06 Dec 2018: Reconstructing Networks with Unknown and Heterogeneous Errors**

**Dr. Tiago de Paula Peixoto - University of Bath**

BuildingOne: Pearsons Teaching room 14:30-15:30

**Monday 03 Dec 2018: Dynamics Seminar: Low-dimensional dynamics of cortical networks explaining slow-wave activity**

**Maurizio Mattia - Istituto Superiore di Sanita**

H103 14:30-15:30

**Monday 03 Dec 2018: Nonlinear resonance in the formation of layers in stably stratified fluids**

**Dr. Paul Burns - University of Exeter**

Laver LT3 14:30-16:30

**Friday 30 Nov 2018: Carbon Nanotubes Meet MEMS: Co-intergration Enables 9 Physical and Chemical Sensors on a Single Chips IoT Node for Water Network Monitoring**

**Dr Berengere Lebental - IFSTTAR/Ecole Polytechnique/CNRS**

Harrison 170 13:30-14:30

**Thursday 29 Nov 2018: NT Seminar: Nearby cycles for p-adic cohomology**

**Prof. Tomoyuki Abe - IPMU**

H103 14:30-16:30

**Thursday 29 Nov 2018: Vertical Workflows: Service Enactment & Orchestration Across Edge and Cloud Resources**

**Prof. Omer Rana - Cardiff University**

Building:One - Pearson Teaching Room 14:30-15:30

**Monday 26 Nov 2018: The climate's response to anthropogenic emissions: the role of ocean heat transport**

**Dr Rei Chemke - Columbia University, USA**

H103 14:30-16:30

**Monday 26 Nov 2018: Dynamics Seminar: Mode interactions in complex and disordered patterns**

**Alastair Rucklidge - Leeds**

Laver LT3 14:30-16:30

**Friday 23 Nov 2018: Six years of harvest with the vortex coronagraph**

**Olivier Absil - University of Liège**

Newman Red 12:30-13:30

**Friday 23 Nov 2018: Integrated SUDS Design**

**Bob Bray - Robert Bray Associates**

Harrison 170 13:30-14:30

**Thursday 22 Nov 2018: Statistical Science - Characterising extreme ocean environments**

**Philip Jonathan & David Randell - Shell Research Ltd; Department of Mathematics & Statistics, Lancaster University; Shell Global Solutions BV, The Netherlands**

H101 14:30-15:30

**Thursday 22 Nov 2018: NEST Seminar: Novel optical effects in hyperbolic metamaterials**

**Prof. Anatoly Zayats - Kings College London**

Newman Red 13:30-14:30

**Thursday 22 Nov 2018: NT Seminar: Computing isomorphisms between lattices**

**Dr. Henri Johnston - University of Exeter**

H103 14:30-16:30

**Thursday 22 Nov 2018: NEST Seminar: Novel optical effects in hyperbolic metamaterials**

**Anatoly V. Zayats - Department of Physics and London Centre for Nanotechnology, King's College London**

Newman Red 13:30-14:30

**Thursday 22 Nov 2018: Modeling Contagion Processes on Complex Networks**

**Prof. Nicola Perra - University of Greenwich**

Harrison 170 14:30-15:30

**Wednesday 21 Nov 2018: Meet a NASA astronaut**

**Steve Swanson - NASA**

Newman Blue Theatre, Peter Chalk Centre, Stocker Rd, Exeter EX4 4QD 19:30-21:30

**Wednesday 21 Nov 2018: How does the strength of the gravitational acceleration impact a planet's atmospheric circulation?**

**Dr. Stephen Thomson - University of Exeter**

Harrison 170 14:00-16:00

**Monday 19 Nov 2018: Dynamics Seminar: Neural circuit dysfunctions in neurodevelopmental disorders**

**Cian O'Donnell - Bristol**

H103 14:30-15:30

**Friday 16 Nov 2018: Sustainable Integrated Management for the Nexus of Water-Land-Food-Energy-Climate for a Resource Efficient Europe: The SIM4NEXUS project**

**Prof. Maria Papadopouloa - National Technical University of Athens**

Harrison 170 13:30-14:30

**Friday 16 Nov 2018: Influence of Stellar UV Environment on Detecting Biosignatures and Pre-Biosignatures in the Atmospheres of Earth-like Planets Around Other Stars**

**Sarah Rugheimer - St Andrews**

Newman Red 12:30-13:30

**Thursday 15 Nov 2018: [Joint GAFD/Astrophysics Seminar] Celestial fluid mechanics: new perspectives on the hydrodynamics of astrophysical discs**

**Prof. Gordon Ogilvie - University of Cambridge**

Harrison H103 14:30-16:30

**Thursday 15 Nov 2018: Celestial fluid mechanics: new perspectives on the hydrodynamics of astrophysical discs**

**Prof. Gordon Ogilvie - University of Cambridge**

H103 14:30-16:30

**Friday 09 Nov 2018: On using flood-excess volume in flood mitigation, exemplified for the Rivers Aire and Calder Boxing Day Flood of 2015 & the River Don flood of 2007, including NFM**

**Professor Onno Bokhove - University of Leeds**

Harrison 170 13:30-14:30

**Thursday 08 Nov 2018: NT Seminar: Moduli of Bundles, Weil Conjectures and Homotopy Types**

**Frank Neumann - University of Leicester**

H103 14:30-16:30

**Thursday 08 Nov 2018: Dynamical and thermodynamic consequences of the nonlinearities of the equation of state and salinity on our theoretical understanding of the ocean circulation**

**Dr. Remi Tailleux - University of Reading**

H101 14:30-16:30

**Thursday 08 Nov 2018: Learning from Temporal Data Through Learning in the Space of Dynamical Systems**

**Prof. Peter Tino - University of Birmingham**

Harrison 170 14:30-15:30

**Tuesday 06 Nov 2018: Tropical cyclones in models: Subseasonal forecasts, climatology and new diagnostics**

**Suzana Carmago - Columbia University**

Harrison 170 11:00-12:00

**Monday 05 Nov 2018: Dynamics Seminar: Minimal model of intestinal glucose absorption through oral challenge**

**Hedi Soula - Pierre and Marie Curie University - Paris 6**

H103 14:30-15:30

**Friday 02 Nov 2018: Flood Impacts on Road Transportation**

**Katya Pyatkova - University of Exeter**

Harrison 170 13:30-14:30

**Thursday 01 Nov 2018: Entropic selection of concepts unveils hidden topics in documents corpora**

**Dr. Alessio Cardillo - University of Bristol**

Harrison 170 14:30-15:30

**Monday 29 Oct 2018: Dynamics Seminar: Fundamental neuroscience findings in multisensory perception applied? for stroke patients**

**Raymond van Ee - <https://www.ru.nl/english/people/ee-r-van/>**

LSI Seminar Room A 14:30-15:30

**Friday 26 Oct 2018: Debris-induced scour and hydrodynamic pressure at bridges**

**Dr Mohsen Ebrahimi - CWS, University of Exeter**

Harrison 170 13:30-14:30

**Thursday 25 Oct 2018: NT Seminar: The generalized Gauss circle problem**

**Dr David Lowry-Duda - University of Warwick**

H103 14:30-16:30

**Thursday 25 Oct 2018: Constraints on climate model errors in precipitation  
⚡ is deep convection guilty or innocent?**

**Christian Jakob - Monash University**

Harrison 170 11:00-12:00

**Thursday 25 Oct 2018: Core-periphery pairs in networks: algorithms and rationales**

**Dr. Naoki Masuda - University of Bristol**

Harrison 170 14:30-15:30

**Monday 22 Oct 2018: Dynamics Seminar: Quenched decay of correlations for slowly mixing systems**

**Wael Bahsoun - Loughborough**

H103 14:30-15:30

**Friday 19 Oct 2018: Water Design: challenges of creating the cities of the future**

**Ola Holmstrom - Sweco**

Harrison 170 13:30-14:30

**Thursday 18 Oct 2018: Statistical Science seminar - Prof Valerie Isham  
"Stochastic Epidemic Models: Approximations, structured populations and networks"**

**Prof Valerie Isham - UCL**

H101 14:30-15:30

**Thursday 18 Oct 2018: Differential equations in automorphic forms arising from particle physics**

**Kim Logan - University of Minnesota**

H103 14:30-16:30

**Tuesday 16 Oct 2018: [Seminar] Stellar magnetism in the context of stellar evolution**

**Prof. Gregg Wade - RMC, Canada**

IAIS Building/LT2 11:30-12:30

**Tuesday 16 Oct 2018: Moisture Transport by extra-tropical cyclones in the Southern Hemisphere**

**Victoria Sinclair - University of Helsinki**

Harrison 170 11:00-12:00

**Monday 15 Oct 2018: Eye formation in large scale vortices: from tropical cyclones to mathematical models**

**Prof. Emmanuel Dormy - ENS, Paris**

H103 14:30-16:30

**Monday 15 Oct 2018: [Seminar] Joint Astrophysics/GAFD Seminar**

**Emmanuel Dormy - ENS, Paris**

Harrison H101 14:30-16:30

**Monday 15 Oct 2018: [Seminar] Magnetised clouds in the Galactic corona: Fuel for future star formation?**

**Asger Gronnow - University of Sydney**

Laver LT3 11:30-12:30

**Friday 12 Oct 2018: Innovation for water development**

**Judith Smith - Buturi Makongoro Project - Founder/Director**

Harrison 170 13:30-14:30

**Friday 12 Oct 2018: Thermal energy propagation in Si membranes and phononic crystals**

**Clivia M. Sotomayor Torres - Catalan Institute of Nanoscience and Nanotechnology**

Newman Red 14:30-15:30

**Thursday 11 Oct 2018: NT Seminar: My converse theorem obsession**

**Prof. Andrew Booker - University of Bristol**

H103 14:30-16:30

**Thursday 11 Oct 2018: Change detection on sequences of graphs**

**Daniele Zambon, Daniele Grattarola - University of Exeter**

Harrison 170 14:30-15:30

**Wednesday 10 Oct 2018: Mapping the Chromospheric Resonance Cavity above Sunspots**

**Dr. Ben Snow - University of Exeter**

Harrison 170 13:30-15:30

**Monday 08 Oct 2018: Dynamics Seminar: Modelling and engineering dynamic regulations in stem cells**

**Lucia Marucci - Bristol**

H103 14:30-15:30

**Friday 05 Oct 2018: Introduction to the Service Centre**

**Mark Webber & Eddie Simmins - South West Water**

Harrison 170 13:30-14:30

**Thursday 04 Oct 2018: Maths Colloquium**

**Prof John Rinzel - New York University**

H103 14:30-15:30

**Friday 28 Sep 2018: Flooding in Torbay & EU Circle Case Study on Torbay Coastal Flooding**

**Dave Stewart - Torbay Council**

Harrison 170 13:30-14:30

**Friday 28 Sep 2018: Compressive Raman microspectroscopy**

**Hilton B. da Aguiar - École Normale Supérieure**

Newman Red 12:30-13:30

**Thursday 27 Sep 2018: NT Seminar: On a conjecture of Esnault and Langer**

**Damian Rossler - University of Oxford**

H103 14:30-16:30

**Thursday 27 Sep 2018: Statistical Science seminar- From Bayesian Theory to Practice: Opportunities and Challenges**

**Prof Kerrie Mengersen - Queensland University of Technology**

H101 14:30-15:30

**Monday 24 Sep 2018: Entangled fields emerging from the sun**

**Dr Chris Prior - Durham University**

H103 14:30-16:30

**Saturday 22 Sep 2018: Soapbox Science Exeter: Free public talks - POSTPONED to 29 Sept**

**Exeter scientists -**

**Princesshay Square, Central Exeter 13:00-16:00**

**Wednesday 19 Sep 2018: [Seminar] Early Release Exoplanet Science with JWST**

**Aarynn Carter - University of Exeter**

**IAIS Building/LT2 14:00-15:00**

**Wednesday 12 Sep 2018: [Seminar] TBC**

**Mark Phillips - University of Exeter**

Harrison 102 14:00-15:00

**Wednesday 12 Sep 2018: European Strategy for Manufacturing with High Performance Polymers**

**Various speakers -**

University of Exeter 09:00-17:00

**Tuesday 11 Sep 2018: European Strategy for Manufacturing with High Performance Polymers**

**Various speakers -**

University of Exeter 09:00-17:00

**Tuesday 11 Sep 2018: [Journal Club] TBC**

**Sebastian Zarrilli -**

4th Floor Interaction Area 11:15-11:45

**Thursday 06 Sep 2018: NEST Seminar: Liquid Crystal based Composites: Interplay of self-organization, chirality, polymers and nanomaterials**

**Dr Ingo Dierking - University of Manchester**

H170 12:30-13:30

**Thursday 06 Sep 2018: NEST Seminar: Liquid Crystal based Composites: Interplay of self-organization, chirality, polymers and nanomaterials**

**Dr Ingo Dierking - University of Manchester**

H170 12:30-13:30

**Wednesday 05 Sep 2018: [Seminar] The tidal disruption of disc galaxies**

**Alex Pettitt - Hokkaido University**

Harrison H102 14:30-15:30

**Friday 31 Aug 2018: STFC Introductory Solar System Plasmas Summer School 2018 (ISSP18)**

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University of Exeter 09:00-17:30

**Thursday 30 Aug 2018: STFC Introductory Solar System Plasmas Summer School 2018 (ISSP18)**

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University of Exeter 09:00-17:30

**Wednesday 29 Aug 2018: STFC Introductory Solar System Plasmas Summer School 2018 (ISSP18)**

-

University of Exeter 09:00-17:30

**Tuesday 28 Aug 2018: STFC Introductory Solar System Plasmas Summer School 2018 (ISSP18)**

-

University of Exeter 09:00-17:30

**Tuesday 28 Aug 2018: [Journal Club] Modelling protostellar accretion discs**

**Daniel Gardener - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 27 Aug 2018: STFC Introductory Solar System Plasmas Summer School 2018 (ISSP18)**

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University of Exeter 09:00-17:30

**Tuesday 21 Aug 2018: [Journal Club] The circumstellar medium of young and old massive stars**

**Dr Dominique Meyer - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 20 Aug 2018: Applications of hybrid seasonal forecasts**

**Erik Kolstad - Uni Research/Bjerknes Centre, Norway**

H170 11:00-12:00

**Tuesday 24 Jul 2018: Hopf Galois structures on separable field extensions of degree  $p^n$ , with  $p$  an odd prime**

**Teresa Crespo - University of Barcelona**

H103 14:30-16:30

**Wednesday 18 Jul 2018: [Seminar] The Effect of Magnetic Geometry on Angular Momentum Loss From the Sun and Other Stars**

**Adam Finley - University of Exeter**

4th Floor, Physics Building 14:00-15:00

**Tuesday 17 Jul 2018: [Journal Club] Dust Dynamics and Growth in PPD**

**Hazhar Rasull - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Wednesday 11 Jul 2018: Rayleigh basis method applied to a convective stability Rayleigh-Benard problem and its bifurcations**

**Francisco Pla - University of Castilla-La Mancha, Spain**

H103 16:00-17:00

**Wednesday 11 Jul 2018: [Seminar] Gaps, rings, spirals and holes - signs of newborn planets?**

**Daniel Price - Monash Centre for Astrophysics (MoCA)**

4th Floor, Physics Building 14:00-15:00

**Tuesday 10 Jul 2018: [Journal Club] Did we find planets though?**

**Dr Elisabeth Matthews - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 05 Jul 2018: Fast and slow resonant triads in the two layer rotating shallow water equations**

Alex Owen - University of Exeter

H170 14:30-15:30

**Tuesday 03 Jul 2018: The importance of data in understanding stellar rotation models**

Angela Breimann - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Friday 29 Jun 2018: Facing Day Zero: The Water Crisis in Capetown**

Professor Neil Armitage - University of Cape Town

Harrison 170 14:30-15:30

**Wednesday 27 Jun 2018: Energy-Aware Resource Management for Computing Systems**

Professor H. J. Siegel - Colorado State University (CSU)

Harrison 102 10:30-11:30

**Wednesday 27 Jun 2018: Seeking Transformative Processor Paradigms for the Post-Moore's Law Era**

Prof. Tarek El-Ghazaw - The George Washington University

Harrison 107 11:40-12:40

**Tuesday 26 Jun 2018: [Journal Club] TBC**

Anna Laws - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Tuesday 26 Jun 2018: [Journal Club] TBC**

Anna Laws - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Thursday 21 Jun 2018: Bootstrap Estimation Methods for Costationarity Time Series**

**Alessandro Cardinali - University of Plymouth**

Laver building LT6 (6th Floor) 14:30-15:30

**Tuesday 19 Jun 2018: [Journal Club] TBC**

**Angela Breimann - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 19 Jun 2018: Test event**

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University of Exeter 09:00-17:00

**Tuesday 19 Jun 2018: [Journal Club] TBC**

**Laura Moran - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 07 Jun 2018: Natural Decadal Climate Variability, Droughts and Their Impacts on Water and Food Securities, and Implications for National and International Policies**

**Vikram Mehta - The Center for Research on the Changing Earth System**

H170 11:00-12:00

**Tuesday 05 Jun 2018: Swan's theorem and Iwasawa theory**

**Andreas Nickel - Universitat Duisburg-Essen**

Washington Singer 219 15:00-16:00

**Wednesday 30 May 2018: Nanostructured metal window electrodes for emerging thin film photovoltaics**

**Dr Ross Hatton - University of Warwick**

Physics 7th floor SCR 12:30-13:30

**Thursday 24 May 2018: Statistical Science seminar- Fabrizio Leisen  
"Modelling Preference Data with the Wallenius Distribution"**

**Fabrizio Leisen -**

**Laver building LT6 (6th Floor) 14:30-15:30**

**Thursday 24 May 2018: Gravity waves in a moist atmosphere: a mechanistic picture**

**Joy Monteiro - Stockholm University**

**H170 14:30-15:30**

**Friday 18 May 2018: [Seminar] Sub-grid Modelling of Compressible Magnetohydrodynamic Turbulence**

**Dimitar Vlaykov - Max-Planck Goettingen**

**4th Floor Physics 11:30-12:30**

**Thursday 17 May 2018: NEST Seminar**

**Dr Diana C. Leitao - FCT Investigator at INESC-MN and Invited Associate Professor at Instituto Superior T cnico, University of Lisbon, Portugal**

**TBD 12:30-13:30**

**Thursday 17 May 2018: Spintronic nanosensors: material and nanofabrication challenges**

**Dr Diana C. Leitao - INESC - Microsystems and Nanotechnologies and Instituto Superior Tecnico, University of Lisbon, Portugal**

**H170 12:30-13:30**

**Wednesday 16 May 2018: Accelerators Anywhere**

**Prof. Dimitrios S. Nikolopoulos - Queen's University Belfast**

**Harrison 215 14:00-15:00**

**Wednesday 16 May 2018: Global Warming: Hot Air or a Real Threat With No Solution To Be Found On The Internet**

**Professor Jorg Imberger - The Rosenstiel School of Marine and Atmospheric Science, University of Miami**

Streatham Campus TBA 11:00-12:30

**Tuesday 15 May 2018: Number Theory Seminar: Construction of Hopf Galois structures via regular subgroups of permutation groups**

Cindy Tsang - Tsinghua University, China

H209 14:30-15:30

**Tuesday 15 May 2018: [Journal Club] Sublimation fronts in the protoplanetary disk of T-Tasuri star: SU Aurigae**

Aaron Labdon - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Monday 14 May 2018: Dynamics Seminar: Quantitative approaches to studying epithelial morphogenesis**

Alex Fletcher - Sheffield

LSI Seminar Room A 14:30-17:30

**Monday 14 May 2018: The dynamics of the 2013/14 winter extremes in the UK and North America**

Peter Watson - University of Oxford

Harrison 170 14:00-15:00

**Thursday 10 May 2018: Dynamics Seminar: Networks in Neuroscience**

Petra Vertes - Cambridge

H209 14:30-15:30

**Thursday 10 May 2018: On some mathematical aspects of data centre networks**

Professor Iain A. Stewart - University of Durham

Harrison 170 14:30-15:30

**Thursday 10 May 2018: Statistical Science seminar- Birgir Hrafnkelsson "Fast computation for latent Gaussian models with a multivariate link function"**

**Birgir Hrafnkelsson -**

H101 14:30-16:30

**Thursday 10 May 2018: NEST Seminar: Localised functionalisation of glass and plastic microfluidic devices**

**Dr Rui R. Carvalho - Research Scientist, Surfix BV Nanocoatings, Wageningen, The Netherlands**

TBD 14:30-15:30

**Thursday 10 May 2018: Localised functionalisation of glass and plastic microfluidic devices**

**Dr Rui R. Carvalho - Surfix BV Nanocoatings, Wageningen, The Netherlands**

H170 14:30-15:30

**Wednesday 09 May 2018: [Seminar] High-order schemes: prospects for more accurate and scalable codes for computational astrophysics**

**Thomas Guillet - University Paris-Saclay**

Physics 4th Floor 11:30-12:30

**Wednesday 09 May 2018: [Seminar] The Diffuse Ionized Gas Halo of the Small Magellanic Cloud, A Survey with the Wisconsin H-Alpha Mapper**

**Brianna Smart - University of Wisconsin-Madison**

Physics 4th Floor 14:00-15:00

**Wednesday 09 May 2018: The physics of thunderstorms**

**Paul Hardaker - Institute of Physics**

The Forum Alumni Auditorium (Stocker Road) 19:30-21:00

**Tuesday 08 May 2018: [Journal Club] Exoplanets and the Search for Habitable Worlds**

**Jayesh Goyal - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 03 May 2018: Gaussian processes: models and inference**

**Dr. Carl Henrik Ek - University of Bristol**

Harrison 170 14:30-15:30

**Thursday 03 May 2018: Rural and Remote Architectures for 5G and Beyond**

**Professor David Grace - University of York**

FML170 15:30-16:30

**Thursday 03 May 2018: U.S. precipitation extremes and flooding in GFDL climate models**

**Karin van der Wiel - KNMI**

H170 11:00-12:00

**Tuesday 01 May 2018: [Journal Club] Leaving Talk - AWESoMeStars**

**Piyush Sharda -**

4th Floor Interaction Area 11:15-11:45

**Monday 30 Apr 2018: [Seminar] The CHARA Array and the Exciting Science of Submilliarcsecond Astronomy**

**Dr. Jeremy Jones - Georgia State University**

Physics 4th Floor 14:00-15:00

**Monday 30 Apr 2018: Dynamics Seminar: Higher dimensional Steinhaus problems via homogeneous dynamics**

**Jens Marklof - Bristol**

H101 14:30-15:30

**Tuesday 24 Apr 2018: [Journal Club] Analysing Transiting Exoplanet Data**

**Aarynn Carter - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 17 Apr 2018: Global fire air pollution weakens terrestrial ecosystem productivity**

**Xu Yue - Institute of Atmospheric Physics**

H170 11:00-12:00

**Tuesday 17 Apr 2018: Validation of the Arcturus MCRT Code**

**Freddy Wordingham - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 12 Apr 2018: Number Theory Seminar: An analogue of the Erdős-Kac theorem for the special linear group over the integers**

**Daniel El-Baz - Tel-Aviv University**

Laver LT6 14:30-15:30

**Tuesday 10 Apr 2018: [Journal Club] Consistent Modelling of Haze Precursors in Giant Exoplanets**

**Sally Blumenthal - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 09 Apr 2018: Modelling Exoplanet Atmospheres with Socrates Correlated-k Radiative Transfer: Climates, Observations, and Flexibility**

**Mark Hammond - University of Oxford**

H101 14:30-15:30

**Tuesday 03 Apr 2018: [Journal Club] TBC**

**Jayesh Goyal - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 29 Mar 2018: Mathematics Colloquium (CANCELLED)**

**Professor Andrew Granville - UCL**

H103 14:30-16:30

**Tuesday 27 Mar 2018: [Journal Club] Can 'local' star formation relations explain star formation at high-redshift?**

**Piyush Sharda - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 26 Mar 2018: Dynamics Seminar: Connectomics and beyond - Markers of cognitive training and disease**

**Markus Schirmer - Harvard**

LSI Seminar Room A 14:30-15:30

**Friday 23 Mar 2018: Critical infrastructure resilience to climate change. The EU-CIRCLE approach.**

**Dr Athanasios Sfetsos - NCSR, Greece**

Harrison 170 14:30-15:30

**Friday 23 Mar 2018: Physics Colloquium: "Thermal energy propagation in Si membranes and phononic crystals"**

**Clivia Sotomayor-Torres -**

Newman Red, Peter Chalk Centre, Streatham Campus 12:30-13:30

**Thursday 22 Mar 2018: Statistical Science seminar- Richard Wilkinson "Subjectivism in inference"**

**Richard Wilkinson - University of Sheffield**

H101 14:30-16:30

**Thursday 22 Mar 2018: Isomorphism problems for Hopf-Galois structures on separable field extensions**

**Paul Truman - Keele University**

H103 15:30-16:30

**Wednesday 21 Mar 2018: The Carbon cycle behaviour under low mitigation scenarios, implications of the Paris Agreement**

**Chris Jones - Met Office**

H170 14:00-15:00

**Tuesday 20 Mar 2018: [Seminar] Dust dynamics in protoplanetary discs**

**Dr. Min-Kai Lin - Institute of Astronomy & Astrophysics, Academia Sinica, Taiwan**

Physics 4th Floor 11:30-12:30

**Tuesday 20 Mar 2018: [Journal Club] Sublimation fronts in the protoplanetary disk of T-Tasuri star: SU Aurigae**

Aaron Labdon - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Monday 19 Mar 2018: Helicity, enstrophy and circulation scaling for Navier-Stokes reconnection**

Prof. Robert Kerr - University of Warwick

H103 14:30-16:30

**Monday 19 Mar 2018: Dynamics Seminar: Chimera States for Delay Differential Equations**

Stefan Ruschel - TU Berlin

LSI Seminar Room A 14:30-15:30

**Friday 16 Mar 2018: Colloquium: "Surface Lattice Resonances in Arrays of Metallic Particles: From Enhanced Emission to Induced Transparency"**

Jaime Gomez Rivas -

Newman Red, Peter Chalk Centre, Streatham Campus 12:30-13:30

**Friday 16 Mar 2018: Flood Risk Management - Resilience and Adaptation for Infrastructure**

Iain Blackwell - Jacobs

Harrison 170 14:30-15:30

**Thursday 15 Mar 2018: Joint Astrophysics/GAFD Seminar (\*\*CANCELLED\*\*)**

Prof. Gordon Ogilvie - University of Cambridge

H103 14:30-16:30

**Thursday 15 Mar 2018: Number Theory Seminar: Rado's criterion over squares and higher powers**

**Sofia Lindqvist - University of Oxford**

H101 14:30-16:30

**Wednesday 14 Mar 2018: [Seminar] Setting Stellar Chronometers: The PTF(+) Open Cluster Survey**

**Dr. Marcel Agueros - Columbia University**

Physics 4th Floor 14:00-15:00

**Tuesday 13 Mar 2018: [Journal Club] Massive star feedback in giant molecular cloud complexes**

**Tom Bending - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 12 Mar 2018: Dynamics Seminar: Anomalous diffusion in billiards with cusps**

**Ian Melbourne - University of Warwick**

H103 14:30-15:30

**Friday 09 Mar 2018: Laser Wakefield Accelerators: a particle accelerator in a university lab?**

**Stuart Mangles - Imperial College**

Newman Red 12:30-13:30

**Friday 09 Mar 2018: How water regulation works. And why it doesn't.**

**Professor Ian Barker - Water Policy International Ltd**

Harrison 170 11:30-12:30

**Thursday 08 Mar 2018: Elliptic p-units and the equivariant Tamagawa Number Conjecture**

**Martin Hofer - Mathematisches Institut der Universitat Munchen**

H103 14:30-16:30

**Thursday 08 Mar 2018: Dynamics Seminar: Coupling can increase the period of phantom bursters dramatically: a slow-fast analysis.**

**Morten Pedersen - University of Padua**

Newman Red LT 14:30-15:30

**Thursday 08 Mar 2018: Statistical science seminar- Statistical models for glaciology**

**Giri Gopalan - University of Iceland**

H101 14:00-16:00

**Wednesday 07 Mar 2018: [Seminar] Spirals, rings, gaps and asymmetries: using disc structure to infer planet formation processes**

**Prof. Farzana Meru - University of Warwick**

Physics 4th Floor 11:30-12:30

**Tuesday 06 Mar 2018: [Journal Club] Helium in the extended atmospheres of exoplanets**

**Jessica Spake - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 06 Mar 2018: Statistical Science seminar- Birgir Hrafnkelsson**

**Birgir Hrafnkelsson - University of Iceland**

H101 09:00-17:00

**Monday 05 Mar 2018: Dynamics Seminar: The effects of Structural Perturbations on the dynamics of Networks**

**Camille Poignard - University of Sao Paulo**

LSI Seminar Room A 14:30-15:30

**Friday 02 Mar 2018: Thermal energy propagation in Si membranes and phononic crystals**

**Clivia M. Sotomayor Torres - Catalan Institute of Nanoscience and Nanotechnology**

Newman Red 12:30-13:30

**Friday 02 Mar 2018: Achieving sustainable ground-water management by using GIS-integrated simulation tools: the EU H2020 FREEWAT platform**

**Professor Rudy Rosetto - Scuola Superiore Sant Anna, Pisa**

Harrison 170 14:30-15:30

**Thursday 01 Mar 2018: Number Theory Seminar: CONGRUENCES BETWEEN DERIVATIVES OF TWISTED HASSE-WEIL L-FUNCTIONS**

**Daniel Macias Castillo - Universidad Autonoma de Madrid**

H103 14:30-16:30

**Thursday 01 Mar 2018: Multi-model and model structural uncertainty quantification with applications to climate science (\*\*Cancelled due to severe weather\*\*)**

**Dr Nathan Urban - Los Alamos National Laboratory, USA**

H101 14:30-15:30

**Thursday 01 Mar 2018: TBC**

**Prof Ian Nabney - University of Bristol**

Harrison 170 14:30-15:30

**Tuesday 27 Feb 2018: [Journal Club] TBC**

**Brendan Retter - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 26 Feb 2018: Dynamics Seminar: How do mossy cells influence pattern separation and epilepsy?**

**Denize Atan - Bristol**

LSI Seminar Room A 14:30-15:30

**Friday 23 Feb 2018: The nonlinear route to nonclassical light**

**Peter Moseley - Bath**

Newman Red 12:30-13:30

**Friday 23 Feb 2018: Water-food interlinkages and the Nexus**

**Dr Floor Brouwer - Wageningen University & Research**

Harrison 170 14:30-15:30

**Friday 23 Feb 2018: On some R-matrices related to braces and Hopf-Galois extensions**

**Agata Smoktunowicz - University of Edinburgh**

H254 14:00-14:30

**Thursday 22 Feb 2018: Number Theory Seminar: CANCELLED**

**Paul Truman - Keele University**

H103 14:30-16:30

**Wednesday 21 Feb 2018: [Seminar] The evolution of chemical abundances in normal stars and the evolution of magnetic fields in massive stars**

**Dr. Alex Martin - Observatoire de Paris Meudon**

Physics 4th Floor 14:00-15:00

**Tuesday 20 Feb 2018: [Journal Club] Cloudless Atmospheres for Brown Dwarfs and Giant Exoplanets**

**Mark Phillips - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Friday 16 Feb 2018: Household resilience to flooding: Perceptions, intentions and decision-stages of flood plain residents towards flooding and flood coping.**

**Dr Kimberly Bryan - University of Exeter**

Harrison 170 14:30-15:30

**Thursday 15 Feb 2018: The Cartography of Computational Search Spaces**

**Dr. Gabriela Ochoa - University of Stirling**

Harrison 170 14:30-15:30

**Thursday 15 Feb 2018: Randomness in arithmetic problems and dynamics**

**Prof. Alex Gorodnik - University of Bristol**

H103 14:30-16:30

**Wednesday 14 Feb 2018: [Seminar] Flows, Instabilities, and Magnetism In Stars and Planets**

**Dr. Felix Sainsbury-Martinez - University of Exeter**

4th Floor Physics 14:00-15:00

**Tuesday 13 Feb 2018: [Journal Club] Selecting Candidate YSOs for WEAVE**

**Andrew Wilson - University of Exeter**

4th Floor Interaction Area 11:45-11:00

**Monday 12 Feb 2018: Dynamics Seminar: Beyond the limit of infinite time-scale separation: Edgeworth expansions and homogenisation**

**Jeroen Wouters - Reading**

H103 14:30-15:30

**Friday 09 Feb 2018: [Seminar] Black holes: Einstein's gravity and rocket science!**

**Prof. Chris Done - Durham University**

4th Floor Physics 14:30-15:30

**Friday 09 Feb 2018: Physicist in kitchen**

**Andrey Varlamov - University of Tor Vergata**

Newman Red 12:30-13:30

**Friday 09 Feb 2018: Exploring interactions between land-use change, air quality and climate**

**Dominick Spracklen - University of Leeds**

H170 11:00-12:00

**Friday 09 Feb 2018: Dynamic scenarios and water demand simulations: a spatial analysis approach for an ill-planned urban area**

**Professor Iana Rufino - Federal University of Campina Grande, Brazil**

**Harrison 170 14:30-15:30**

**Thursday 08 Feb 2018: Number Theory Seminar: Galois actions on units of rings of integers**

**Alex Torzewski - University of Warkick**

**H103 14:30-16:30**

**Thursday 08 Feb 2018: Forest canopy - boundary layer flows over heterogeneous terrain**

**Prof. Andrew Ross - University of Leeds**

**H101 14:30-16:30**

**Thursday 08 Feb 2018: Dynamics of Learning in Game Theory**

**Sofia Castro - University of Porto**

**LSI seminar room A 13:30-14:30**

**Wednesday 07 Feb 2018: Inspiring Science Lectures Series - Blowing in the wind: the mathematics of dispersion**

**Professor Jacques Vanneste - University of Edinburgh**

**Harrison 103 13:30-14:30**

**Monday 05 Feb 2018: [Seminar] Surveying Spotted Stars with Photometric, Spectroscopic, and Interferometric Observations**

**Dr. Rachael Roettenbacher - University of Stockholm**

**Physics 4th Floor 14:00-15:00**

**Monday 05 Feb 2018: Dynamics Seminar: SIQ: control of infectious diseases via isolation**

**Tiago Pereira - University of Sao Paulo**

**H103 14:30-15:30**

**Friday 02 Feb 2018: Design and Development of the EU-Circle Critical Infrastructure Resilience Platform, a Multi-Hazard Impact Assessment Software**

**Dr Antonis Kostaridis - Satways Ltd**

Harrison 170 14:30-15:30

**Thursday 01 Feb 2018: The talk is canceled**

**Prof. Dimitrios S. Nikolopoulos - Queen's University Belfast**

Harrison 170 14:30-15:30

**Thursday 01 Feb 2018: Radical rings, braces and the Yang-Baxter equation**

**Leandro Vendramin - Universidad de Buenos Aires**

H103 14:30-16:30

**Tuesday 30 Jan 2018: [Journal Club] Modelling chemistry in a pre-stellar core**

**Alison Young - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 29 Jan 2018: Theory of turbulent boundary layer beyond the log law: predictions and validations**

**Prof. Zhen-Su She - Peking University, China**

H103 14:30-16:30

**Monday 29 Jan 2018: Dynamics Seminar: Two investigations into the development of orientation and spatial maps**

**Stephen Eglén - Cambridge**

LSI Seminar Room A 14:30-15:30

**Friday 26 Jan 2018: Advantages & disadvantages of the different approaches to open channel flow measurement - How to look beyond the numbers**

**David Walker - Detectronic Ltd**

Harrison 170 14:30-15:30

**Friday 26 Jan 2018: Science and Engineering PhD careers event**

**12 employers including DSTL, Thales, Dyson and the Met Office -**

**Reed Hall, Streatham Drive, Exeter, Devon, EX4 4QR 10:00-16:00**

**Thursday 25 Jan 2018: NEST Seminar: C.H. "Kees" de Groot, Professor of Nanoelectronics**

**C.H. "Kees" de Groot, Professor of Nanoelectronics - University of Southampton**

**H170 12:30-13:30**

**Thursday 25 Jan 2018: NT Seminar: Rational points in families of varieties**

**Daniel Loughran - University of Manchester**

**H103 14:30-16:30**

**Thursday 25 Jan 2018: Using computer-aided experimental design to understand gene expression dynamics**

**Dr. Daphne Ezer - Sainsbury Laboratory, University of Cambridge**

**Harrison 170 14:30-15:30**

**Thursday 25 Jan 2018: Statistical Science seminar- No Such Thing as Missing Data**

**Dr Daniel Farewell - Cardiff University**

**H101 14:30-15:30**

**Thursday 25 Jan 2018: Science and Engineering PhD careers event**

**12 employers including DSTL, Thales, Dyson and the Met Office -**

**Reed Hall, Streatham Drive, Exeter, Devon, EX4 4QR 10:00-16:00**

**Tuesday 23 Jan 2018: Solving the M-Dwarf Luminosity Problem**

**Sam Morrell - University of Exeter**

**4th Floor Interaction Area 11:15-11:45**

**Monday 22 Jan 2018: Dynamics Seminar: Programming DNA circuits**

**Neil Dalchau - Microsoft Research**

LSI Seminar Room A 14:30-15:30

**Friday 19 Jan 2018: Modelling Boundary Shear Stress Distribution in Open Channels Using a Face Recognition Technique**

**Dr Soroosh Sharifi - University of Birmingham**

Harrison 170 14:30-15:30

**Thursday 18 Jan 2018: NEST Seminar: All-dielectric nanophotonics: principles, materials and applications**

**Dr Sergey Makarov - ITMO University, MetaLab**

H170 12:30-13:30

**Thursday 18 Jan 2018: NT Seminar: The Function Field Satahe-Selberg Formula - CANCELLED**

**Ardavan Afshar - University College London (UCL)**

H101 15:30-16:30

**Thursday 18 Jan 2018: How Mathematics helps structuring climate discussions (\*Mathematics Colloquium\*)**

**Prof. Rupert Klein - Freie Universitat Berlin**

H103 14:30-15:30

**Wednesday 17 Jan 2018: [Seminar] Debris discs: shedding light on the outer regions of planetary systems**

**Dr. Sebastian Marino - University of Cambridge**

Physics 4th Floor 14:00-15:00

**Tuesday 16 Jan 2018: [Journal Club] Spherical Harmonic Fun And A PhD Update**

**Adam Finley - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Friday 12 Jan 2018: Complex Problems in the Resources Management - Multi-objective Fuzzy Expert System Application**

**Professor Svetlana Stevovic - Innovation Centre of Faculty of Mechanical Engineering, Belgrade, Serbia**

Laver LT3 14:30-15:30

**Friday 12 Jan 2018: Dynamics Seminar: TBC**

**Stefan Rueschel - Berlin**

H103 14:30-15:30

**Thursday 11 Jan 2018: Hamiltonian Formulation of the Rotating Shallow Water Equations using split Exterior Calculus.**

**Dr Werner Bauer - Imperial College London**

Streatham Court B 14:30-15:30

**Wednesday 10 Jan 2018: [Seminar] Hunting for Cool Brown Dwarfs with WISE**

**Prof. Michael Cushing - University of Toledo**

Physics 4th Floor 14:00-15:00

**Friday 15 Dec 2017: Bayesian data analysis tools for physics**

**Martino Trassinelli - Institut des NanoSciences de Paris**

Newman Red 12:30-13:30

**Thursday 14 Dec 2017: [Joint Astrophysics/CGAFD Seminar] Extreme heat waves sampled through large deviation algorithms**

**Prof. Freddy Bouchet, Francesco Ragone and Jeroen Wouters - ENS de Lyon et CNRS**

Harrison 103 14:30-16:30

**Thursday 14 Dec 2017: Extreme heat waves sampled through large deviation algorithms (Joint Astrophysics/GAFD Seminar)**

**Prof. Freddy Bouchet - ENS-Lyon, France**

H103 14:30-15:30

**Thursday 14 Dec 2017: Representations of W-algebras and reduced enveloping algebras for modular  $\mathfrak{gl}(m|n)$**

**Dr Simon Goodwin - University of Birmingham**

H101 14:30-16:30

**Thursday 14 Dec 2017: NEST Seminar: Group IV compounds and tunable index silicon nitride for multiplatform integrated photonics**

**Dr Frederic Gardes - University of Southampton**

H170 12:30-13:30

**Thursday 14 Dec 2017: Statistical Science seminar-Modelling discontinuities using Voronoi tessellations**

**Prof J.P. Gosling - University of Leeds**

H103 15:30-16:30

**Wednesday 13 Dec 2017: [Seminar] SHINE: the SPHERE infrared survey for exoplanets.**

**Dr. Arthur Vigan - Marseille**

Physics 4th Floor 14:00-15:00

**Wednesday 13 Dec 2017: Christmas Lectures**

**Dr Nicholas Pugeault, Dr Hannah Hughes, Dr Corrina Cory and Prof Tim Harries - University of Exeter**

Alumni Auditorium, The Forum, Streatham Campus EX4 4SZ 10:30-14:00

**Tuesday 12 Dec 2017: [Journal Club] Observers communication and Measurements in different universe metrics**

**Hazhar Rasull - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Friday 08 Dec 2017: Resilience: A Journey from Policy to Delivery**

**Trevor Bishop - Ofwat**

Harrison 170 14:30-15:30

**Thursday 07 Dec 2017: Dynamics Seminar: Collective synchronization in inhibitory firing rate models**

Ernest Montbrio - UPF, Barcelona

LSI Seminar Room A 14:30-15:30

**Thursday 07 Dec 2017: The m-step solvable anabelian geometry of number fields**

Professor Mohamed Saidi - University of Exeter

H103 14:30-16:30

**Thursday 07 Dec 2017: Statistical Science seminar**

Dr Vincent Van Hees - eScience centre

Forum Exploration Lab 1 14:30-16:30

**Wednesday 06 Dec 2017: [Seminar] The "torus" as a wind: Modelling polar IR emission in AGNs using SPH with radiation transfer**

Dr. David Williamson - University of Southampton

Physics, 4th Floor 14:00-15:00

**Tuesday 05 Dec 2017: [Journal Club] Massive Young Stellar Objects in the Infrared-Dark Cloud G79.3+0.3**

Anna Laws - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Monday 04 Dec 2017: Learning Autonomously from Data Streams**

Prof. Plamen Angelov - University of Lancaster

Queens LT6.2 13:30-14:30

**Monday 04 Dec 2017: Mixing by the MHD Kelvin-Helmholtz instability and its applications in the solar atmosphere**

Dr Andrew Hillier - University of Exeter

H103 14:30-16:30

**Friday 01 Dec 2017: From Determinism to Probability: Mitigating chaos in weather and climate prediction with the ensemble forecast system.**

**Tim Palmer - Oxford**

Newman Red 12:30-13:30

**Friday 01 Dec 2017: The emergency response to flooding in the UK**

**Mr Dan Graham - Spartan Rescue / ISAR3**

Harrison 170 14:30-15:30

**Thursday 30 Nov 2017: Paramodularity of abelian surfaces**

**Tobias Berger - University of Sheffield**

H103 14:30-16:30

**Thursday 30 Nov 2017: Dynamics Seminar: An oscillatory neural network model with winner-take-all dynamics explains reaction times in visual search experiments**

**Roman Borisyuk - Plymouth**

LSI Seminar Room A 14:30-15:30

**Thursday 30 Nov 2017: Applying for Grants as an Early Career Researcher in Computer Science**

**Prof Ed Keedwell and Dr Kevin Sales - University of Exeter**

Harrison 170 14:30-15:30

**Tuesday 28 Nov 2017: The Needle in the Haystack: Survey Harvesting for Brown Dwarf Variability and Lightning Detection**

**Angela Breimann - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Friday 24 Nov 2017: Socio-cultural Drivers of Water Demand in Student Residential Accommodation**

**Professor Chad Staddon - UWE Bristol**

Harrison 170 14:30-15:30

**Friday 24 Nov 2017: Workshop on neural networks: from dynamical systems to psychology**

Various -

LSI Seminar Room B 10:00-17:00

**Thursday 23 Nov 2017: Maximal quartic orders with small Galois group and monogenic cubic resolvent**

**Dr. Stanley Xiao - University of Oxford**

H103 14:30-16:30

**Thursday 23 Nov 2017: Data-driven surrogate-assisted evolutionary optimization of expensive optimization problems**

**Prof Yaochu Jin - University of Surrey**

Harrison 170 14:30-15:30

**Thursday 23 Nov 2017: Multi-Disciplinary Surrogate-Assisted Optimization Activities at Cenaero**

**Dr. Charlotte Beauthier - Senior Research Engineer at Cenaero**

Harrison 170 15:30-16:30

**Wednesday 22 Nov 2017: [Seminar] Extra-terrestrial fieldwork; adventures of an Earth-bound astronaut.**

**Dr. Natasha Stephen - University of Plymouth**

Physics 4th Floor 14:00-15:00

**Wednesday 22 Nov 2017: Saving our water: innovations in urban water management**

**Professor David Butler and the Safe and SuRe team - University of Exeter**

Anomalous Space, 38 Pentonville Rd, London, N1 9HF 18:15-20:15

**Tuesday 21 Nov 2017: Evolution of Exoplanetary Magnetospheres**

**Laura Moran - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 20 Nov 2017: Dynamics Seminar: Exponential equidistribution of standard pairs for piecewise expanding maps of metric spaces**

**Peyman Eslami - Warwick**

H103 14:30-15:30

**Friday 17 Nov 2017: UK Water Industry strategic agenda**

**Dr Hans Jensen - UKWIR**

Harrison 170 14:30-15:30

**Friday 17 Nov 2017: Bridging Quantum Science and Biology.**

**Alexandra Olaya-Castro - UCL**

Newman Red 12:30-13:30

**Friday 17 Nov 2017: One-day study in Ergodic Theory and dynamical systems**

**Various -**

PC1.1 & H254 11:30-17:30

**Thursday 16 Nov 2017: Some new statistical properties of piecewise linear Fibonacci maps**

**Dalia Terhesiu - University of Exeter**

H103 14:30-16:30

**Thursday 16 Nov 2017: Understanding and Mitigating Online Abuse**

**Prof. Gianluca Stringhini - UCL**

Harrison 170 14:30-15:30

**Tuesday 14 Nov 2017: Magnetic Braking Of Cool Stars: Dependence On Coronal Temperature**

**Georgios Pantolmos - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 13 Nov 2017: Tidal flows in extrasolar planets**

**Dr. Adrian Barker - University of Leeds**

H103 14:30-16:30

**Monday 13 Nov 2017: Dynamics Seminar: Clustered ventilation defects in asthma**

**Graham Donovan - Auckland**

LSI Seminar Room B 14:30-15:30

**Friday 10 Nov 2017: Turbulence and intermittency in the ocean winds seen by ASCAT and QuikSCAT**

**Greg King - University of Lisbon**

H170 12:00-13:00

**Friday 10 Nov 2017: Improving the Implementation of Sustainable Drainage Systems to Enhance Urban Settlements' Adaptive Capacities within the Veneto Region (North East Italy)**

**Dr Riccardo Pasi - IUAV University of Venice, Italy**

Harrison 170 14:30-15:30

**Thursday 09 Nov 2017: Slope filtrations of SFS-isocrystals and logarithmic decay**

**Joe Kramer-Miller - University College London (UCL)**

H103 14:30-16:30

**Thursday 09 Nov 2017: To be confirmed**

**Carlos Diaz -**

H101 14:30-16:30

**Thursday 09 Nov 2017: Sexual Reproduction Can Speed Up Optimisation**

**Dr. Pietro S. Oliveto - University of Sheffield**

Harrison 170 14:30-15:30

**Wednesday 08 Nov 2017: Misaligned black hole accretion discs**

**Dr. Rebecca Nealon - University of Leicester**

Physics, 4th Floor 14:00-15:00

**Tuesday 07 Nov 2017: Modelling feedback from massive stars using Monte Carlo Radiation Hydrodynamics**

**Ahmad Ali - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 06 Nov 2017: Two Variations on Normal Modes: Sloshing in Free Containers & Bragg Resonance**

**Prof. Andrzej Herczynski - Boston College, USA**

H103 14:30-16:30

**Friday 03 Nov 2017: Strategies to enhance nonlinear optical signals at the nanoscale with Perovskite and semiconductor materials.**

**Rachel Grange - ETH Zurich, Switzerland**

Newman Red 12:30-13:30

**Friday 03 Nov 2017: The Complex Interrelation of Intermittent Supply and Water Losses**

**Mr Bambos Charalambous - KANA Hydrocontrol Ltd, Cyprus**

Harrison 170 14:30-15:30

**Friday 03 Nov 2017: NEST Seminar: Smart Internet of Things Devices for Oil and Gas Industry**

**Prof Andrey Somov - SKOLTECH, Center for Computational and Data-Intensive Science and Engineering**

H170 11:30-12:20

**Thursday 02 Nov 2017: Thin sets are (sometimes) thin**

**Professor Tim Browning - University of Bristol**

H103 14:30-16:30

**Thursday 02 Nov 2017: Open Access and Research Data Management**

**Imogen Ward-Smith - University of Exeter**

Harrison 170 14:30-15:30

**Tuesday 31 Oct 2017: Dust Sculptors: Hidden planets in the Dustiest Debris Disk Systems**

**Elisabeth Matthews - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 30 Oct 2017: Dynamics-radiation interactions in the tropical tropopause layer**

**Prof. Peter Haynes - University of Cambridge**

H103 14:30-16:30

**Monday 30 Oct 2017: Dynamics Seminar: Topological conjugacies between expanding interval maps**

**Thomas Jordan - Bristol**

H107 14:30-15:30

**Friday 27 Oct 2017: Chemical microrobots for drug delivery**

**Frantisek Stepanek -**

Newman Red 12:30-13:30

**Friday 27 Oct 2017: Optimising Sedimentation Devices**

**Dr Shenan Grossberg - University of Exeter**

Harrison 170 14:30-15:30

**Thursday 26 Oct 2017: Scars for wave functions of a point scatterer on the torus**

**Steve Lester - Queen Mary University of London**

H103 14:30-16:30

**Thursday 26 Oct 2017: Statistical Science - INLA - A gentle introduction**

**Stefan Siegert -**

H101 14:30-15:30

**Wednesday 25 Oct 2017: New prospects for finding life on exoplanets: Disequilibrium biosignature metrics and their detectability with the James Webb Space Telescope**

**Mr. Joshua Krissansen-Totton - University of Washington**

Physics, 4th Floor 14:00-15:00

**Wednesday 25 Oct 2017: Adjoint sensitivity experiments in the Labrador Sea and Southern Ocean**

**Dan Jones - British Antarctic Survey**

H170 14:00-15:00

**Tuesday 24 Oct 2017: HI galaxy surveys: An overview of current results and future plans**

**Dr. Michael Jones - Instituto de Astrofisica de Andalucia**

Physics 4th Floor 14:00-15:00

**Tuesday 24 Oct 2017: Stellar Heating in SPH Models of Star Formation**

**Michael Jones - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 23 Oct 2017: MULTIGRAIN...no, it's not a new brand of breakfast cereal**

**Dr. Mark Hutchison -**

Physics 4th Floor 11:00-12:00

**Monday 23 Oct 2017: Dynamics Seminar: Phase transitions and limit laws**

**Mike Todd - St Andrews**

H103 14:30-15:30

**Friday 20 Oct 2017: Core-Periphery Pairs in Networks**

**Dr Naoki Masuda - University of Bristol**

Harrison 170 14:30-15:30

**Thursday 19 Oct 2017: NEST Seminar: Twists & Turns of the Fascinating World of Electromagnetic Waves**

**Prof Steve Foti - Dolhurst**

H170 12:30-13:30

**Thursday 19 Oct 2017: An introduction to fog networks and some recent results**

**Prof. Zhong Fan - Keele University**

LSI Seminar Room A 14:30-15:30

**Thursday 19 Oct 2017: Smart Sensors and IoT - Research, Trends and Opportunities**

**Prof. M. Jamal Deen - McMaster University**

LSI Seminar Room A 15:30-16:30

**Tuesday 17 Oct 2017: Investigating the effects of rotation and magnetism on stellar radii in 1D stellar structure models**

**Lewis Ireland - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 16 Oct 2017: CRIRES plus update and near infrared diffuse interstellar bands**

**Dr. Jonathan Smoker - ESO**

Physics 4th Floor 11:00-12:00

**Monday 16 Oct 2017: Dynamics Seminar: Modelling Microtubule Rings in Gliding Assays**

**Simon Pearce - Manchester**

LSI Seminar Room B 14:30-15:30

**Friday 13 Oct 2017: Towards the Digital Water Utility: Role of Intelligent Water Networks and Big Data Informatics**

**Professor Rodney Stewart - Griffith University - Gold Coast Campus**

Har170 14:30-15:30

**Friday 13 Oct 2017: Spectral Binaries: A Novel Approach for Measuring the Binary Fraction of Very Low Mass Stars and Brown Dwarfs**

**Adam Burgasser - UC San Diego**

Newman Red 12:30-13:30

**Thursday 12 Oct 2017: Some remarks on arithmetic gauge theory**

**Professor Minhyong Kim - University of Oxford**

H103 14:30-16:30

**Thursday 12 Oct 2017: Statistical science- Using Directed acyclic graphs (DAGs) to strengthen statistical modelling for causal inference: a cautionary tale**

**Prof George Ellison -**

H101 14:30-16:30

**Wednesday 11 Oct 2017: The chemistry of planet-forming disks in the era of ALMA**

**Dr. Catherine Walsh - University of Leeds**

Physics, 4th Floor 11:30-12:30

**Tuesday 10 Oct 2017: The JCMT Gould Belt Survey: Classifications and Lifetimes of the Protostars in the Gould Belt**

**Chris Mowat - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 09 Oct 2017: Dynamics Seminar: The boundary of chaos**

**Sofia Trejo - Imperial**

H103 14:30-15:30

**Friday 06 Oct 2017: Flooding and Surface Water Management in Practice**

**Dr James Franklin - Sweco UK Ltd**

H170 14:30-15:30

**Thursday 05 Oct 2017: The subtle behaviour of class groups of "random" number fields**

**Alex Bartel - University of Glasgow**

H103 14:30-16:30

**Thursday 05 Oct 2017: Statistical Science: How to do statistics**

**Dan Simpson -**

H101 14:30-16:30

**Monday 02 Oct 2017: Dynamics Seminar: The whence and whither of a simplified model of an auditory neuron**

**Dan Goodman - Imperial College London**

LSI Seminar Room B 14:30-15:30

**Friday 29 Sep 2017: Dynamics Seminar: Complex Systems Approach to Atrial Fibrillation**

**Hiroshi Ashikaga - John Hopkins, Baltimore**

LSI Seminar Room B 14:30-15:30

**Friday 29 Sep 2017: Radar rainfall forecasting in sewer flood modelling to support decision-making in sewer network operations**

**Arshan Iqbal - University of Exeter**

Har170 14:00-15:00

**Thursday 28 Sep 2017: Quantum chaos, eigenvalue statistics and the Fibonacci sequence (Mathematics Colloquium)**

**Prof. Zeev Rudnick - Tel-Aviv University**

H103 14:30-15:30

**Thursday 28 Sep 2017: Evolutionary Dynamic Optimisation: Current State and Challenges**

**Prof. Shengxiang Yang - De Montfort University**

Harrison 170 14:30-15:30

**Wednesday 27 Sep 2017: Laboratory high resolution spectroscopy and novel spectrometers for astrophysical diagnostics**

**Dr. Damien Weidmann - STFC Rutherford Appleton Laboratory**

Physics, 4th Floor 14:00-15:00

**Tuesday 26 Sep 2017: The Turbulent Diffusivity of Convective Overshoot**

**Dr. Daniel Lecoanet - Princeton**

Physics 4th Floor 14:00-15:00

**Tuesday 26 Sep 2017: Angles of Gaussian primes**

**Prof. Zeev Rudnick - Tel-Aviv University**

H203 14:30-16:30

**Tuesday 26 Sep 2017: The Effects of Unresolved Contaminant Stars on the Cross-Matching of Photometric Catalogues**

**Tom Wilson - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 25 Sep 2017: Tropical atmospheric Madden-Julian oscillation: strongly-nonlinear free solitary Rossby wave?**

**Dr. Jun-Ichi Yano - CNRM, Meteo France, Toulouse**

H103 14:30-15:30

**Thursday 21 Sep 2017: Consensus measure of rankings**

**Dr. Zhiwei Lin - University of Ulster**

Harrison 170 14:30-15:30

**Wednesday 20 Sep 2017: Atmospheric library of far away worlds**

**Mr. Jayesh Goyal - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Wednesday 20 Sep 2017: NEST Seminar: Growth and nanocharacterisation of oxide nanowires**

**Prof Cuong Ton-That - School of Mathematical and Physical Sciences,  
University of Technology Sydney, Australia**

H170 11:00-12:00

**Tuesday 19 Sep 2017: Toward Linking Magnetic Flux Emergence, Convection, and Dynamo Action in Low-Mass Stars**

**Maria Weber - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 18 Sep 2017: An Overview of the SUNDIALS suite of Nonlinear Differential/Algebraic Equation Solvers and an Application to Nonhydrostatic Climate Dynamics**

**Dr. Carol Woodward - Lawrence Livermore National Laboratory, USA**

H203 14:30-15:30

**Thursday 14 Sep 2017: The X-ray properties of galaxy clusters**

**Dr. Paul Giles - University of Bristol**

Physics, 4th Floor 14:00-15:00

**Tuesday 12 Sep 2017: Visualisation of magnetic field lines using PLUTO: a 3D full MHD code**

**Dean Patient - University of Exeter**

4th Floor Interaction Area 11:05-11:25

**Tuesday 12 Sep 2017: Observability of hot dust emission with MATISSE**

**Aaron Labdon - University of Exeter**

4th Floor Interaction Area 11:25-11:45

**Tuesday 12 Sep 2017: University of Exeter's Radio Astronomy Upgrades**

**Tom Wilson - University of Exeter**

4th Floor Interaction Area 11:45-12:05

**Monday 11 Sep 2017: Inspiring Science Lectures Series: From risk management to quantitative disaster resilience - a paradigm shift**

**Professor S. P. Simonovic - University of Western Ontario**

**Harrison Building 004 15:00-17:00**

**Tuesday 05 Sep 2017: Exploring coronal mass ejection torque on solar rotation evolution**

**Matthew Gent - University of Exeter**

**4th Floor Interaction Area 11:05-11:20**

**Tuesday 05 Sep 2017: Digital Breast Phantom**

**Jordan Hembrow - University of Exeter**

**4th Floor Interaction Area 11:25-11:40**

**Tuesday 05 Sep 2017: You'll Keck yourself when you see how many planets we've found over (Sp)here**

**Dawn Wickenden - University of Exeter**

**4th Floor Interaction Area 11:45-12:00**

**Tuesday 29 Aug 2017: Extreme Variables in Star Forming Regions**

**Carlos Contreras - University of Exeter**

**4th Floor Interaction Area 11:15-11:45**

**Wednesday 23 Aug 2017: Understanding Jupiter's interior in the context of Juno**

**Mr. Florian Debras - Ecole Normale Superieure de Lyon**

**Physics, 4th Floor 14:00-15:00**

**Tuesday 22 Aug 2017: TBC**

**Tom Evans - University of Exeter**

**4th Floor Interaction Area 11:15-11:45**

**Monday 21 Aug 2017: Leak behaviour and detection in water distribution systems by means of transients**

**Prof Marco Ferrante - University of Perugia**

170, Harrison 14:00-15:00

**Wednesday 16 Aug 2017: Planetary atmospheres: from surface to the outer space**

**Dr. Karan Molaverdikhani - MPIA Heidelberg**

Physics, 4th Floor 11:00-12:00

**Tuesday 15 Aug 2017: Dynamo waves in global simulations**

**Lucia Duarte - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 08 Aug 2017: TBC**

**Tom Constantino - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 01 Aug 2017: Giant exoplanets and their clouds with HST and JWST**

**Hannah Wakeford - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Wednesday 26 Jul 2017: Integrated simulation of Groundwater Resources and Seawater Intrusion**

**Dr Kai-Yuan Ke - National Taiwan University**

Har170 14:00-15:00

**Monday 24 Jul 2017: Arctic sea ice sensitivity to global warming in climate models**

**Erica Rosenblum - Scripps Institution of Oceanography, University of California at San Diego**

H170 10:30-11:30

**Thursday 20 Jul 2017: Ramification, Galois scaffolds and Hopf orders associated with the Heisenberg group modulo  $\mathbb{p}^2$ .**

**Griff Elder - University of Nebraska at Omaha**

H101 14:30-15:30

**Thursday 13 Jul 2017: The Hot, Magnetic and Happening Solar Atmosphere**

**Prof. Durgesh Tripathi - IUCAA, India**

H170 14:00-15:00

**Wednesday 12 Jul 2017: Solving the M-dwarf Luminosity Problem**

**Mr. Sam Morrell - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Tuesday 11 Jul 2017: A campaign of high angular resolution observations targeting two young stellar objects**

**Jacques Kluska - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Tuesday 27 Jun 2017: Cloud formation and evolution in hot Jupiter atmospheres**

**Stefan Lines - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Thursday 22 Jun 2017: The role of disc self-gravity in the formation of planets and planetary systems**

**Prof. Ken Rice - University of Edinburgh**

Physics, 4th Floor 14:00-15:00

**Thursday 22 Jun 2017: Emerging 2D materials and its integration into optics and electronics: Graphene**

**Dr Evgeniya Kovalska - Laboratory of Smart Materials and Devices,  
Department of Physics, Bilkent University, Ankara/Turkey, 06800**

H170 14:00-15:00

**Tuesday 20 Jun 2017: Convection driven dynamos with self-consistent shear**

Laura Currie - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Thursday 15 Jun 2017: The Cenozoic greenhouse-icehouse transition: Tipping points and pathways of heat in the climate system**

Anna von der Heydt - Utrecht University

H170 10:30-11:30

**Wednesday 14 Jun 2017: What can the SEDs of first hydrostatic core candidates reveal about their nature?**

Miss. Alison Young - University of Exeter

Physics, 4th Floor 14:00-15:00

**Wednesday 07 Jun 2017: Pseudocenters for Fuchsian tessellations**

Montserrat Alsina - Universitat Politecnica de Catalunya and University of Bristol

H171 14:30-15:30

**Tuesday 06 Jun 2017: A Comparison of Simulated JWST Observations Derived from Equilibrium and Non-Equilibrium Chemistry Models of Gaseous Planets**

Sally Blumethal - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Tuesday 30 May 2017: The ins and outs of circumstellar disks**

Claire Davies - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Thursday 25 May 2017: Optimizing Bioinformatics Software With Genetic Programming**

William Langdon - UCL

LSI Seminar Room A 14:30-15:30

**Thursday 25 May 2017: Interpolating sea mammal tracks: fusing statistical and nonstatistical models**

**Jim Zidek - University of British Columbia**

LT6 12:00-13:00

**Wednesday 24 May 2017: Modelling galaxy rotation with quantised inertia and visible matter only**

**Dr. Mike McCulloch - University of Plymouth**

Physics, 4th Floor 14:00-15:00

**Tuesday 23 May 2017: Searching for Spots on Young Stars**

**Andy Wilson - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Monday 22 May 2017: Explicit estimates on prime numbers**

**Tim Trudgian - UNSW Canberra**

H209 14:30-16:30

**Monday 22 May 2017: Dynamics Seminar: Solitary states for coupled oscillators**

**Yuri Maistrenko - Kiev**

LSI Seminar Room A 14:30-15:30

**Thursday 18 May 2017: Fitness landscape analysis: an overview for single- and multi-objective optimization problems.**

**Sebastien Verel - Univ. Littoral Cote d'Opale, France.**

Laver LT3 14:30-15:30

**Thursday 18 May 2017: Dynamics Seminar: Approximating stable manifolds of a saddle slow manifold in a bursting model**

**Hinke Osinga - Auckland**

LSI Seminar Room A 14:30-16:00

**Tuesday 16 May 2017: Magnetic field geometry and rotation evolution**

Victor See - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Monday 15 May 2017: Inspiring Science (public talk): Shaken but not Stirred: Using Mathematics in Earthquakes**

Hinke Osinga -

Streaham Court C 15:30-16:30

**Tuesday 09 May 2017: Modeling the spin evolution of classical TTauri stars.**

Dr. Claudio Zanni - Osservatorio Astrofisico di Torino

Physics, 4th Floor 14:00-15:00

**Tuesday 09 May 2017: Observing Exoplanets with JWST**

Aarynn Carter - University of Exeter

4th Floor Interaction Area 11:15-11:45

**Monday 08 May 2017: Dynamics Seminar: Topological conjugacy of iterated random homeomorphisms of the circle**

Julian Newman -

Harrison 209 14:30-15:30

**Monday 08 May 2017: Linkages between Gulf Stream cyclogenesis and El Niño**

Nils Gunnar Kvamsto - University of Bergen

H170 10:00-11:30

**Friday 05 May 2017: The Global Carbon Cycle in ACCESS-ESM1**

Tilo Ziehn - CSIRO, Australia

Harrison 170 10:30-11:30

**Thursday 04 May 2017: Dynamics Seminar: The importance of being chaotic: Bifurcations in an El Nino model**

**Andrew Keane - Auckland**

LSI Seminar Room B 10:30-11:30

**Tuesday 02 May 2017: The Effect of Unresolved Contaminant Stars on the Cross-Matching of Photometric Catalogues**

**Tom Wilson - University of Exeter**

4th Floor Interaction Area 11:15-11:45

**Wednesday 26 Apr 2017: UX Ori type stars as a natural laboratory for study of the circumstellar environment of young stars**

**Dr. Vladimir Grinin - Pulkovo Observatory**

Physics, 4th Floor 14:00-15:00

**Wednesday 19 Apr 2017: Diagnostics of emitting regions in the young stars with the help of interferometry and spectroscopy**

**L.V. Tambovtseva - Pulkovo Observatory**

Physics, 4th Floor 14:00-15:00

**Wednesday 19 Apr 2017: Understanding the role of internal variability in climate change**

**Prof. David Thompson - Colorado State University**

H215 10:00-12:00

**Thursday 13 Apr 2017: Ergodic Theory and Dynamical Systems Talks**

**Three Speakers -**

Harrison 203 11:00-16:10

**Wednesday 12 Apr 2017: Ergodic Theory and Dynamical Systems Talks**

**Three Speakers -**

Harrison 203 14:00-17:30

**Monday 03 Apr 2017: Dynamics Seminar: Analysis of neuroimaging data: Energy landscape analysis and network science**

**Naoki Masuda - University of Bristol**

LSI Seminar Room A 14:30-15:30

**Friday 31 Mar 2017: Imaging at the speed of light**

**Prof Daniele Faccio - Heriot-Watts**

Newmann Red 12:30-13:30

**Thursday 30 Mar 2017: Arithmetic statistics in function fields**

**Edva Roditty-Gershon - University of Bristol**

H103 14:30-16:30

**Thursday 30 Mar 2017: Statistical Science Seminar: Model Discrepancy**

**Professor Michael Goldstein - Durham University**

H101 15:00-16:00

**Wednesday 29 Mar 2017: Spectrally dispersed interferometry and the hot inner regions of protoplanetary discs**

**Mr. Edward Hone - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Monday 27 Mar 2017: Planetary core flows driven by libration**

**Dr Stijn Vantieghem - Coventry University**

H103 14:30-16:30

**Monday 27 Mar 2017: Dynamics Seminar: Oxidative stress in diabetes: Cause, consequence, or both?**

**Pranay Goel - Indian Institute of Science Education and Research (IISER)  
Pune**

LSI Seminar Room A 16:00-17:00

**Friday 24 Mar 2017: Improving the resilience of interdependent infrastructure networks to cascading failure and isolation with Permutations and Serious Games**

**Dr Mehdi Khoury - University of Exeter**

Har170 14:00-15:00

**Thursday 23 Mar 2017: First year CGAFD PhD student talks**

**Gareth Hawkes and Georgie Long - University of Exeter**

H103 14:30-16:30

**Thursday 23 Mar 2017: Pure Mathematics**

TBA -

H101 14:30-16:30

**Thursday 23 Mar 2017: Statistical Science Seminar: Extreme Value Threshold Estimation and Mixture Modelling**

**Carl Scarrott - University of Canterbury, NZ**

H203 15:00-16:00

**Thursday 23 Mar 2017: NEST Seminar: Optical Fibre Sensing Solutions: From Macro- to Nanoscale**

**Prof. Yuliya Semenova - Dublin Institute of Technology**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Wednesday 22 Mar 2017: Atmospheric retrieval analysis of cloudy atmospheres**

**Dr. Ben Burningham - University of Hertfordshire**

Physics, 4th Floor 14:00-15:00

**Monday 20 Mar 2017: Dynamics Seminar: Breaking of Ergodicity in Expanding Systems of Globally Coupled Piecewise Affine Circle Maps**

**Bastien Fernandez - LPMA Paris**

H103 14:30-15:30

**Friday 17 Mar 2017: A License to Engineer**

**Tim Harper -**

Harrison Building, HAR170 14:00-15:00

**Thursday 16 Mar 2017: Valuations of p-adic regulators of cubic cyclic fields**

**Tommy Hofmann - Technische Universitat Kaiserslautern**

H103 14:30-16:30

**Thursday 16 Mar 2017: Dynamics Seminar: Glycolytic Oscillations, Insulin Pulsatility, and Regime Change**

**Richard Bertram - Florida State University**

Living Systems Seminar Room A 14:30-15:30

**Monday 13 Mar 2017: Parameterizing large-scale circulations based on the weak temperature gradient approximation**

**Prof Bob Plant - University of Reading**

H103 14:30-16:30

**Friday 10 Mar 2017: The Role of Modelling in Taking Decisions**

**Tony Warn MBE -**

Har170 14:00-15:00

**Monday 06 Mar 2017: The practice and promise of economic simulation (Mathematics Colloquium)**

**Prof. Doyne Farmer - Oxford Martin School, University of Oxford**

H103 14:30-15:30

**Friday 03 Mar 2017: Big data and use of information in water, flood and coastal management**

**Alistair McMillan and Alice Johnson -**

Harrison Building, HAR170 14:00-15:00

**Thursday 02 Mar 2017: Statistical Science Seminar: Quantifying Discovery in Astro/Particle Physics: Frequentist and Bayesian Perspectives**

**David A. van Dyk - Imperial College**

H101 15:00-16:30

**Thursday 02 Mar 2017: On the Gross-Stark conjecture**

**Mahesh Kakde - King's College**

H103 14:30-16:30

**Thursday 02 Mar 2017: Dense 3D Modelling and Monocular Reconstruction of Deformable Objects**

**Roussos, Anastasios (Tassos) - University of Exeter**

Harrison 170 14:30-15:30

**Monday 27 Feb 2017: Joint Astrophysics/GAFD Seminar: Waves in the Earth's Core**

**Prof. Chris Jones - University of Leeds**

Harrison Building, H103 14:30-15:30

**Monday 27 Feb 2017: Waves in the Earth's core (Joint Astrophysics/GAFD seminar)**

**Prof. Chris Jones - University of Leeds**

H103 14:30-16:30

**Monday 27 Feb 2017: Dynamics Seminar: Neurostimulations for diagnostic and therapy in epilepsy: from "in silico" models to "in vivo" applications**

**Fabrice Wendling - Universite de Rennes 1**

Harrison 106 14:30-15:30

**Friday 24 Feb 2017: Radical Property Enhancements in Functional Oxide Thin Films from Insulators to Superconductors**

**Prof Judith Driscoll - Cambridge**

Harrison 004 14:30-15:30

**Friday 24 Feb 2017: OSIsoft's PI System: Real-time Data in the Modern Water Industry**

**Nicholas Peels -**

Harrison Building, HAR170 14:00-15:00

**Thursday 23 Feb 2017: Can we machine-learn programming language semantics?**

**Dr. Dan Ghica - University of Birmingham**

Harrison 170 14:30-15:30

**Wednesday 22 Feb 2017: The Orion Radio All-Stars: new perspectives in stellar radio astronomy**

**Dr. Jan Forbrich - University of Hertfordshire**

Physics, 4th Floor 14:00-15:00

**Monday 20 Feb 2017: Dynamics Seminar: In infinite ergodic theory, distributional limits replace the absolutely normalized pointwise ergodic theorem.**

**Jon Aaronson - Tel Aviv Univesity**

H254 14:30-15:30

**Friday 17 Feb 2017: Water Demand Management in Tourist Islands - Case Study: Galapagos, Ecuador**

**Professor Nemanja Trifunovic -**

Harrison Building, HAR170 14:00-15:00

**Thursday 16 Feb 2017: Dynamics seminar: Towards state and parameter estimation in neural populations models (of anaesthesia)**

**Ingo Bojak - University of Reading**

LSI Seminar Room A 14:30-15:30

**Thursday 16 Feb 2017: Solving  $xz=y^2$  in certain subsets of finite groups**

**Tom Sanders - University of Oxford**

H101 14:30-16:30

**Thursday 16 Feb 2017: Learning in Non-Geometric Spaces, Analysis of Protein Molecules, and Beyond**

**Dr. Lorenzo Livi - University of Exeter**

Harrison 170 14:30-15:30

**Thursday 16 Feb 2017: NEST Seminar: A new concept for covert optical transmission of remote sensor data**

**Roger Hazelden - Technical Specialist  Sensors & Optoelectronics, Conekt**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Friday 10 Feb 2017: Abundance or Scarcity ? Catchments & Carbon**

**Julian Jones - Water21**

Harrison 170 14:00-15:00

**Friday 10 Feb 2017: Water Out, Shit In**

**Professor Jan Vreeburg -**

Harrison Building, HAR170 10:00-14:00

**Thursday 09 Feb 2017: Multiplicative functions over function fields**

**Oleksiy Klurman - University College London**

H103 14:30-16:30

**Thursday 09 Feb 2017: Statistical Science Seminar: Downscaling high temperature events on the Greenland ice sheet**

**Emma Eastoe - University of Lancaster**

H101 15:00-16:30

**Thursday 09 Feb 2017: Dynamics Seminar: Heteroclinic Networks in Dynamical Networks**

**Mike Field - Imperial**

Living Systems Seminar Room A 14:30-15:30

**Thursday 09 Feb 2017: Constructive Machine Learning**

**Fabrizio Costa - University of Exeter**

Harrison 170 14:30-15:30

**Wednesday 08 Feb 2017: Dust driven hydrodynamic instabilities in protoplanetary disks**

**Dr. Pablo Loren-Aguilar - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Monday 06 Feb 2017: Dynamos in rotating convection**

**Dr Paul Bushby - Newcastle University**

H103 14:30-16:30

**Friday 03 Feb 2017: Development of decision support systems for optioneering the treatment of (waste)water and water reuse; ways forward to overcome global water scarcity issues**

**Dr Seyed Mohammad Kazem Sadr - Centre for Water Systems**

Room 170, Harrison 14:00-15:00

**Friday 03 Feb 2017: David Fortune Seminar**

**David Fortune -**

Har170 10:30-13:00

**Thursday 02 Feb 2017: Statistical Science Seminar: The Correlated Pseudo-Marginal Method for Inference in Latent Variable Models**

**Arnaud Doucet - University of Oxford**

H101 15:00-16:30

**Thursday 02 Feb 2017: Tropical vorticity dynamics and the role of vertical momentum advection in equatorial superrotation**

**Prof. Pablo Zurita-Gotor - Universidad Complutense, Madrid**

H103 14:30-16:30

**Thursday 02 Feb 2017: Evolutionary multi-objective optimisation: effectiveness, scalability and efficiency**

**Dr. Ke Li - University of Exeter**

Harrison 170 14:30-15:30

**Tuesday 31 Jan 2017: Journal club**

Mark Philips - University of Exeter

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 30 Jan 2017: Dynamics Seminar: A next generation neural field model: The evolution of synchrony within patterns and waves**

Aine Byrne - University of Nottingham

Living Systems Seminar Room A 14:30-15:30

**Friday 27 Jan 2017: Topological Photonics**

Prof Alexander Szameit - Jena

Newmann Red 12:30-13:30

**Friday 27 Jan 2017: Membranes in wastewater treatment: Conceiving Wastewater Treatment in 2020**

Dr Evina Katsou -

Harrison Building, HAR170 14:00-15:00

**Thursday 26 Jan 2017: Statistical Science Seminar: High-Dimensional Bayesian Geostatistics**

Professor Sudipto Banerjee - UCLA

H101 15:00-16:30

**Thursday 26 Jan 2017: On the critical values of random spherical harmonics**

Valentina Cammarota - King's College

H103 14:30-16:30

**Thursday 26 Jan 2017: Dynamics Seminar: Rock-paper-scissors, spiralling patterns & bacterial games**

Mauro Mobilia - Leeds University

Living Systems Seminar Room A 15:30-16:30

**Thursday 26 Jan 2017: What computer science is**

**Joshua Knowles - University of Birmingham**

Harrison 170 14:30-15:30

**Wednesday 25 Jan 2017: The fate of planetary systems : How does planetary material arrive in the atmospheres of white dwarfs?**

**Dr. Amy Bonsor - University of Cambridge**

Physics, 4th Floor 14:00-15:00

**Tuesday 24 Jan 2017: Journal club**

**Brendan Retter - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 23 Jan 2017: Cloudy nights on exoplanets**

**Dr. Vivien Parmentier - University of Arizona**

Physics, 4th Floor 11:00-12:00

**Friday 20 Jan 2017: Sex, Drugs and Water Quality**

**Rachael Gommers -**

Harrison Building, HAR170 14:00-15:00

**Thursday 19 Jan 2017: Zeros of Automorphic L-Functions**

**Thomas Oliver - University of Bristol**

H103 14:30-16:30

**Thursday 19 Jan 2017: Statistical Science Seminar: Dependent Generalised Dirichlet Process Priors**

**Maria De Iorio - University College London**

H101 15:00-16:30

**Tuesday 17 Jan 2017: Journal club**

**Adam Finley - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 16 Jan 2017: An accelerating high-latitude jet in Earth's core**

**Prof. Phil Livermore - University of Leeds**

H103 14:30-16:30

**Friday 13 Jan 2017: Priorities for an uncertain future: expert opinion on links between hydrometric data, water resources modelling and decision making (project 'SINBaD')**

**Dr Sarah Ward -**

Harrison Building, HAR170 14:00-15:00

**Thursday 12 Jan 2017: NEST Seminar: Collagen Scaffolds for Soft Tissue Repair**

**Prof. Serena Best - University of Cambridge**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 12 Jan 2017: Dynamics Seminar: Growing Planar Metapatterns**

**David Lloyd - University of Surrey**

Living Systems Seminar Room A 14:30-16:30

**Wednesday 11 Jan 2017: Observations of MHD Turbulence in Solar Prominences**

**Dr. Andrew Hillier - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Tuesday 10 Jan 2017: Journal club**

**Freddy Wordingham - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Friday 16 Dec 2016: Light microscopy with electrons, electron microscopy with light**

**Dr Jacob Hoogenboom - Delft**

Newmann Red 12:30-12:30

**Thursday 15 Dec 2016: Dynamics seminar: A New Theory of Lane Selection on Highways**

**Prof. Eddie Wilson - University of Bristol**

H101 14:30-16:30

**Thursday 15 Dec 2016: Statistical Science Christmas Seminar: "What drives commuter behaviour in Exeter?" Bayesian analysis for large surveys in social science**

**Dr Laura Dawkins - University of Exeter**

H101 15:30-16:30

**Wednesday 14 Dec 2016: Choosing the best exoplanets for transmission spectroscopy, with ground- and space-based telescopes**

**Jessica Spake - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Tuesday 13 Dec 2016: Journal club**

**Alison Young - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 12 Dec 2016: Dynamics seminar: Diversity of flagellate swimming gaits**

**Kirsty Wan - University of Cambridge**

LSI Seminar Room 14:30-16:30

**Friday 09 Dec 2016: Water Resource Models for Supporting Trans-boundary Negotiations: Colorado River to the Nile**

**Kevin Wheeler - University of Oxford**

Harrison 170 14:00-15:00

**Thursday 08 Dec 2016: Toward Galactic View of Star Formation**

**Prof. Shu-ichiro Inutsuka - Nagoya University**

Physics, 4th Floor 11:00-12:00

**Thursday 08 Dec 2016: Revisiting the pre-main sequence evolution of stars: Importance of accretion efficiency and deuterium abundance**

**Dr. Masanobu Kunitomo - Nagoya University**

Physics, 4th Floor 14:00-15:00

**Thursday 08 Dec 2016: Trapping and Imaging in a Material World**

**Prof. Kishan Dholakia - University of St. Andrews**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 08 Dec 2016: Topics in the modelling and simulation of two-phase flows**

**Dr Lennon O'Naraigh - University College Dublin**

H103 14:30-16:30

**Thursday 08 Dec 2016: Cyclotomic Units and Greenberg's Conjecture**

**Filippo Majno di Capriglio - Universite de Saint-Etienne**

H101 14:30-16:30

**Wednesday 07 Dec 2016: The Dynamics of Star Clusters**

**Dr. Nick Wright - Keele University**

Physics, 4th Floor 14:00-15:00

**Monday 05 Dec 2016: Dynamics seminar: Demographic noise slows down cycles of dominance**

**Tim Rogers - University of Bath**

H103 14:30-16:30

**Friday 02 Dec 2016: The Innovation Dilemma: Uncertainty and the Paradox of Universalism**

**Yakov Ben-Haim - Technion  Israel Institute of Technology**

Harrison 170 14:00-15:00

**Thursday 01 Dec 2016: Star formation scales and efficiency in Galactic spiral arms**

**Dr. David Eden - Liverpool John Moores**

Physics, 4th Floor 14:00-15:00

**Thursday 01 Dec 2016: Sup norms of Maass forms of powerful level**

**Abhishek Saha - University of Bristol**

H103 14:30-16:30

**Thursday 01 Dec 2016: Photonics and polaritonics with van der Waals heterostructures**

**Prof. Alexander Tartakovskii - University of Sheffield**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 01 Dec 2016: Statistical Science Seminar: Extreme events of Markov chains**

**Ioannis Papastathopoulos - Edinburgh University**

H101 14:30-16:30

**Thursday 01 Dec 2016: Self-aware Computing Systems: From Psychology to Engineering**

**Peter Lewis - Aston University**

Harrison 170 14:30-15:30

**Wednesday 30 Nov 2016: The atmospheres of irradiated brown dwarfs**

**Dr. Sarah Casewell - University of Leicester**

Physics, 4th Floor 14:00-15:00

**Tuesday 29 Nov 2016: Journal club: Solving the M-Dwarf Luminosity Problem**

**Sam Morrell - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 28 Nov 2016: Emergent eddy saturation from an energy constrained parameterisation**

**Dr Julian Mak - University of Edinburgh**

H103 14:30-16:30

**Friday 25 Nov 2016: Controlling light propagation in complex media : from mesoscopic effects to biomedical imaging**

**Prof Sylvain Gigan - Laboratoire Kastler-Brossel**

Newmann Red 12:30-13:30

**Friday 25 Nov 2016: The Role of the Civil Engineer in Managing Flood Risk and Adapting to Climate Change**

**Hamish Hall - WSP Parsons Brinckerhoff**

Harrison 170 14:00-15:00

**Thursday 24 Nov 2016: Etale fundamental groups of affinoid p-adic curves and formal germs of p-adic curves**

**Mohamed Saidi - University of Exeter**

H103 14:30-16:30

**Thursday 24 Nov 2016: Challenges in Inkjet Printing for Fabrication**

**Prof. Brian Derby - University of Manchester**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 24 Nov 2016: Dynamics Seminar: On the predictability of extremes: does the butterfly effect ever decrease?**

**Alef Sterk (Groningen) -**

H215 15:30-16:30

**Thursday 24 Nov 2016: Processing and Analysis of Multimedia Big Data**

**Prof. Ruimin Hu - Wuhan University, China**

Harrison 170 14:30-15:30

**Wednesday 23 Nov 2016: MYStIX: A new look at clustered star formation**

**Prof. Eric Feigelson - Penn State University**

Physics, 4th Floor 14:00-15:00

**Tuesday 22 Nov 2016: Journal club: Spectrally dispersed interferometry and the hot inner regions of protoplanetary discs**

**Edward Hone - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 21 Nov 2016: Dynamics seminar: Excitability profiles within the same neuron and diversity between different neurons of the same identified type explained by patterns of ion channel expression**

**Marco Arieli Herrera-Valdez -**

H103 15:30-16:30

**Friday 18 Nov 2016: Modelling the impacts of hydraulic fracturing on groundwater contamination and assessing the risks for a potential UK shale gas industry**

**Olivia Milton-Thompson - University of Exeter WISE CDT**

Harrison 170 14:00-15:00

**Thursday 17 Nov 2016: Scarring of Quasimodes on Hyperbolic Manifolds**

**Suresh Eswarathasan - Cardiff University**

H103 14:30-16:30

**Thursday 17 Nov 2016: Quantum mixing and probing of coherent photonic states in an open 1D space**

**Dr Vladimir Antonov - Royal Holloway University of London**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 17 Nov 2016: The Fitness Landscape of Combinatorial Optimisation Problems**

**Adam Prugel-Bennett - University of Southampton**

Harrison 170 14:30-15:30

**Wednesday 16 Nov 2016: Getting to the core of terrestrial planet formation**

**Dr. Philip Carter - University of Bristol**

Physics, 4th Floor 15:30-16:30

**Tuesday 15 Nov 2016: Journal club**

**Jayesh Goyal - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 14 Nov 2016: Exoplanets, and the quest of "Universal Life"**

**Prof. Didier Queloz - University of Cambridge**

Physics, 4th Floor 14:00-15:00

**Monday 14 Nov 2016: Tsunamis: the contrast between elevation and depression waves**

**Prof. Roger Grimshaw - University of Exeter**

H103 14:30-16:30

**Friday 11 Nov 2016: Introduction to SuDS: A Water Industry Perspective**

**Elaine Ring - Severn Trent Water**

Harrison 170 14:00-15:00

**Thursday 10 Nov 2016: The logarithmic point is an Eilenberg-MacLane space**

**Valentina Di Proietto - University of Exeter**

H103 14:30-16:30

**Thursday 10 Nov 2016: Nanoscale MRI Contrast Agents: Design Features for Exceptional Performance**

**Dr Gemma-Louise Davies - University of Warwick**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 10 Nov 2016: Statistical Science Seminar: Causal inference under sampling selection**

**Prof Vanessa Didelez - BIPS-Bremen**

H101 14:30-16:30

**Thursday 10 Nov 2016: Dynamics seminar: Mean Field Reduction for the Hub Dynamics of Expanding Maps Coupled in Heterogeneous Networks**

**Matteo Tanzi - Imperial College London**

Streatham Court C 14:30-16:30

**Thursday 10 Nov 2016: Native Content Distribution through Off-Path Content Discovery in Information-Centric Networks**

**Vasilis Sourlas - UCL**

Harrison 170 14:30-15:30

**Tuesday 08 Nov 2016: Journal club**

**Florian Debras -**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 07 Nov 2016: Parallel in Time Simulation with Oscillatory Stiffness**

**Adam Peddle - University of Exeter**

H103 14:30-16:30

**Monday 07 Nov 2016: Dynamics seminar: Multiscale approaches to brain energy metabolism and its relation to Parkinson's disease**

**Alexander Skupin - University of Luxembourg**

Newman Purple LT (B) 15:30-16:30

**Thursday 03 Nov 2016: On sets of irreducible polynomials closed by composition**

**Giacomo Micheli - University of Oxford**

H103 14:30-16:30

**Thursday 03 Nov 2016: Quantum Germanium**

**Dr Stuart N. Holmes - Toshiba Research Europe Limited, Cambridge  
Research Laboratory**

**HAR/170 (3D Visualisation Suite) 12:30-13:30**

**Thursday 03 Nov 2016: Overview of BT Research Labs and examples of what we do**

**Paul O'Brien - BT**

**Harrison 170 14:30-15:30**

**Tuesday 01 Nov 2016: Journal club: Observations of transitional disks with masking interferometry**

**Matt Willson - University of Exeter**

**Physics 4th Floor Interaction Area 11:15-11:45**

**Monday 31 Oct 2016: Dynamics seminar: Various Applications of Multi-Objective Optimization: Multi-modal transportation, Real Time systems scheduling and Yacht weather routing**

**Laurent Lemarchand - Brest**

**H103 14:30-16:30**

**Friday 28 Oct 2016: Magnetism and other phenomena in quantum gases**

**Prof Daniela Pfannkuche - Hamburg**

**Newmann Red 12:30-13:30**

**Friday 28 Oct 2016: Large-Scale Flow Phenomena  CFD at Land, Sea and Air**

**Dr. Medzid Muhasilovic -**

**Harrison 170 14:00-15:00**

**Thursday 27 Oct 2016: NEST Seminar: 3D Photonic and Optofluidic Devices**

**Prof. Ajoy Kar - Heriot Watt University**

**HAR/170 (3D Visualisation Suite) 12:30-13:30**

**Thursday 27 Oct 2016: Let the cloud design your next multi-objective optimizer**

**Manuel Lopez-Ibanez - University of Manchester**

Harrison 170 14:30-15:30

**Wednesday 26 Oct 2016: SPIDERMAN - A fast code to model secondary eclipses and phase curves**

**Dr. Tom Louden - University of Warwick**

Physics, 4th Floor 14:00-15:00

**Tuesday 25 Oct 2016: Journal club**

**Felix Sainsbury-Martinez - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 25 Oct 2016: Performance Engineering - Welcome to the world of FLOPs, Bytes and Cycles!**

**Prof. Gerhard Wellein - FAU, Erlangen, Germany**

Harrison 170 12:30-13:30

**Friday 21 Oct 2016: Risk-based water resources planning in presence of conflicting objectives**

**Dr Mohammad Mortazavi-Naeini - University of Oxford**

Harrison 170 14:00-15:00

**Thursday 20 Oct 2016: From Physics to .. ologies, Where did it all go wrong???**

**Prof. Hugh J. Byrne - FOCAS Research Institute, Dublin Institute of Technology**

Streatham Court C 15:30-16:30

**Thursday 20 Oct 2016: On the number of nodal domains of toral eigenfunctions**

**Igor Wigman - King's College**

H103 14:30-16:30

**Tuesday 18 Oct 2016: Journal club: The Role of Chemistry in Hot Exoplanet Atmospheres**

**Ben Drummond - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 18 Oct 2016: Massive discs around massive stars**

**Dr. John Ilee - University of Cambridge**

Physics, 4th Floor 14:00-15:00

**Friday 14 Oct 2016: Proofing the Concept of Sustainable Drainage Schemes Using an Integrated Urban Drainage Model**

**Anthony Raine - Pell Frsichmann**

Harrison 170 14:00-15:00

**Thursday 13 Oct 2016: NEST Seminar: Studies of local electronic properties of graphene**

**Dr. Olga Kazakova - National Physical Laboratory**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 13 Oct 2016: Statistical Science Seminar: Calibrating climate models with spatial data: beyond principal components**

**James Salter and Daniel Williamson - University of Exeter**

H101 14:30-16:30

**Tuesday 11 Oct 2016: Journal club**

**Ben Lewis - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Friday 07 Oct 2016: LEAKSSuite: A free resource for improved Practical Assessment and Management of Leakage, Pressure and Apparent Losses**

**Allan Lambert - WLRandA Ltd: ILMSS Ltd**

Harrison 170 14:00-15:00

**Thursday 06 Oct 2016: Nanomaterials in action - Studying the dynamics of crystals and composites from the atomic to the macroscopic level with in situ and ex situ microscopy**

Prof. Roland Kröger - University of York

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 06 Oct 2016: Scalar description of three-dimensional flows of incompressible fluid**

Prof Yury Stepanyants - University of Southern Queensland, Australia

H101 15:30-16:30

**Thursday 06 Oct 2016: Statistical Science Seminar: Ensemble averaging and mean squared error**

Jonty Rougier - University of Bristol

H103 14:30-16:30

**Wednesday 05 Oct 2016: Seeing planets form**

Dr. Jane Greaves - University of Cardiff

Physics, 4th Floor 14:00-15:00

**Wednesday 05 Oct 2016: What if... Euler had been a Bayesian Statistician?**

Mark Girolami - University of Warwick and The Alan Turing Institute for Data Science

Rolle 116 (Plymouth University) 14:00-15:00

**Friday 30 Sep 2016: Examples for applying numerical modelling in the science of environmental hydrology and hydrogeology**

Dr Lei Wang -

Harrison 170 14:00-15:00

**Thursday 29 Sep 2016: The p-adic monodromy group of abelian varieties over global function fields of characteristic p**

**Ambrus Pal - Imperial College**

H103 14:30-16:30

**Thursday 29 Sep 2016: NEST Seminar: Bacterial cellulose as building block for novel engineering materials**

**Dr. Koon-Yang Lee - Imperial College London**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Wednesday 28 Sep 2016: Beyond the Standard Model: Precision Stellar Physics in the Era of Surveys and Space Missions**

**Prof. Marc Pinsonneault - Ohio State University**

Physics, 4th Floor 14:00-15:00

**Friday 23 Sep 2016: Testing General Relativity with Cosmology**

**Prof Pedro Ferreira - Oxford**

Newmann Red 12:30-13:30

**Thursday 22 Sep 2016: The display of a p-divisible group and Cerednik uniformization**

**Thomas Zink - Universitat Bielefeld**

H103 14:30-15:30

**Thursday 22 Sep 2016: NEST Seminar**

TBA -

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Thursday 22 Sep 2016: Grothendieck-Messing theorems via crystals of relative displays**

**Oli Gregory - University of Exeter**

H103 15:30-16:30

**Wednesday 21 Sep 2016: On the formation of discs using non-ideal magnetohydrodynamics**

**Dr. James Wurster - University of Exeter**

Physics, 4th Floor 14:00-15:00

**Monday 12 Sep 2016: Deciphering deep ocean circulation changes between the present and the last glacial**

**Prof. Malte Jansen - University of Chicago**

H170 14:30-16:00

**Thursday 08 Sep 2016: NEST Seminar: 2D Nanosheets as photocatalysts for water oxidation**

**Prof. Cecilia Mattevi - Imperial College London**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Wednesday 07 Sep 2016: BioDynamics Workshop**

**Various -**

Xfi 13:00-17:00

**Thursday 25 Aug 2016: Dynamics seminar: Insights into the Mechanisms of Epileptic Seizures from Computational Models**

**Dean Freestone - University of Melbourne**

H103 14:30-16:30

**Wednesday 10 Aug 2016: Dynamics seminar: Thermodynamic properties of Fibonacci unimodal maps.**

**Henk Bruin - University of Vienna**

Harrison 101 14:00-15:00

**Wednesday 27 Jul 2016: Dynamics seminar: Partial Seizures: Thoughts on Propagation Mechanisms and Biomarkers**

**Wim van Drongelen - University of Chicago**

H101 14:30-16:30

**Thursday 21 Jul 2016: The Emergence of Numerical Weather Prediction: Fulfilment of a Dream & Realization of a Fantasy**

**Prof Peter Lynch - University College Dublin**

H209 11:00-12:00

**Wednesday 06 Jul 2016: Temperatures and Distances to High-mass Star-forming Regions in the Inner Galaxy**

**Marion Wielen -**

Physics, 4th Floor 14:00-14:40

**Tuesday 28 Jun 2016: Journal club**

**Tom Goffrey -**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 28 Jun 2016: Dynamics seminar: Stability and Control of Positive Dynamical Systems**

**Prof. Stuart Townley - University of Exeter**

H209 10:30-12:30

**Friday 24 Jun 2016: Dynamics seminar: Spiral wave chaos: tiling, local symmetries, and asymptotic freedom**

**Christopher Marcotte - Georgia Institute of Technology**

H101 14:30-16:30

**Thursday 23 Jun 2016: Dynamics seminar: Inter-subject variability in cardiac electrophysiology: from ion channels to the electrocardiogram**

**Blanca Rodriguez - University of Oxford**

H101 14:30-16:30

**Tuesday 21 Jun 2016: Journal club**

**Jacques Kluska -**

Physics 4th Floor Interaction Area 11:15-11:45

**Wednesday 15 Jun 2016: Radiative Feedback and the Formation of Massive Stars and Stellar Clusters**

**Prof. Ralph Pudritz - McMaster University**

Physics, 4th Floor 14:30-15:30

**Tuesday 14 Jun 2016: The importance of non-local effects: numerical studies of compressible convection in the young sun**

**Jane Pratt -**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 14 Jun 2016: Dynamics seminar: Area transport in orientation preserving piecewise isometries**

**Professor Arek Goetz - San Francisco State University**

H209 14:30-16:30

**Tuesday 07 Jun 2016: Journal club**

**Nikolay Nikolov -**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 31 May 2016: Journal club**

**Alexander Kreplin -**

Physics 4th Floor Interaction Area 11:15-11:45

**Thursday 26 May 2016: Affordances, Concepts and Context**

**Sinan Kalkan - Middle East Technical University**

Laver LT3 14:30-16:00

**Thursday 26 May 2016: Dynamics seminar: Isochrons: their theory, computation and applications**

**Prof. Hinke Osinga - University of Auckland**

Queens LT1 14:30-16:30

**Thursday 26 May 2016: [NEST Seminar] Liquid Crystals: From Molecular and Supramolecular Structures to Novel Devices**

**Prof. Mamatha Nagaraj - School of Physics and Astronomy, University of Leeds**

HAR/170 (3D Visualisation Suite) 12:30-13:30

**Wednesday 25 May 2016: Workshop on fast-slow systems**

**Bernd Krauskopf, Vadim Biktashev, Hinke Osinga - Universities of Auckland and Exeter**

Harrison LT04 14:00-17:00

**Tuesday 24 May 2016: Journal club**

**Pablo Loren-Aguilar -**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 23 May 2016: The application of evolutionary computation to the diagnosis and monitoring of Parkinson's disease**

**Stephen Smith - University of York**

H170 16:00-17:00

**Friday 20 May 2016: Atmospheric dynamics on terrestrial planets over a wide range of orbital and atmospheric parameters (GAFD seminar)**

**Dr Yohai Kaspi - Weizmann Institute of Science**

H209 14:30-16:30

**Wednesday 18 May 2016: Seminar: Modeling: Young Stars and Evolved Stars**

**Dr Maria Carolina Duran Rojas -**

Physics, 4th floor 14:00-15:00

**Tuesday 17 May 2016: Are we alone? Estimating the number of intelligent worlds in the Milky Way**

**Maria Weber -**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 16 May 2016: 'Programmable' Ecosystems: Engineered Environments for the Study of Biosystems Development**

**Prof. Ludovico Cademartiri - Iowa State University**

Physics 124 10:00-11:00

**Monday 16 May 2016: Research First Week**

**University staff & students -**

Exeter & Penryn 09:00-17:00

**Thursday 12 May 2016: Statistical Science Seminar: Regional flood frequency analysis for Norway**

**Thirids Thorarinsdottir -**

H101 14:30-16:30

**Tuesday 10 May 2016: Seminar: The SpeX Prism Library Analysis Toolkit (SPLAT): Collaborative Tools and New Discoveries through a Student-Centered Program**

**Prof Adam Burgasser - University of California, San Diego**

Physics, 4th floor 14:30-15:30

**Tuesday 10 May 2016: Dynamics seminar: On entropy-density of ergodic measures for B-free shifts and their relatives**

**Dominik Kwietniak - Jagiellonian University, Krakow**

Laver LT6 13:30-14:30

**Friday 06 May 2016: Adaptive Sparse Grids and Applications: Coping with the Curse of Dimensionality**

**Dirk Pflueger - University of Stuttgart, Germany**

H171 14:30-16:00

**Friday 06 May 2016: TBC**

**Dirk Pflueger -**

Harrison 171 14:30-16:00

**Tuesday 03 May 2016: Exoplanet atmospheres : winds and waves**

**Florian Debras -**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 03 May 2016: Magnetohydrodynamic Waves in the Atmosphere of the Sun (GAFD Seminar)**

**Dr Erwin Verwichte - University of Warwick**

Laver LT6 14:30-16:00

**Wednesday 27 Apr 2016: Seminar: \*\*11:30\*\* Cloudy with a chance of rain**

**Dr Hannah Wakeford - NASA Goddard Space Flight Center**

Physics, 4th floor 11:30-12:30

**Monday 25 Apr 2016: Heuristic Discovery of Search Drivers for Test-based Problems**

**Krzysztof Krawiec - Poznan University of Technology - Poland**

H103 15:30-16:30

**Friday 22 Apr 2016: Workshop on synchronization and oscillators with generalized coupling**

**Multiple presenters -**

Harrison Building, Streatham Campus 09:30-13:00

**Thursday 21 Apr 2016: Workshop on synchronization and oscillators with generalized coupling**

**Multiple presenters -**

Harrison Building, Streatham Campus 09:30-17:00

**Wednesday 20 Apr 2016: Seminar: Revolution evolution and the ins and outs of protoplanetary disks**

**Dr Claire Davies - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 20 Apr 2016: Workshop on synchronization and oscillators with generalized coupling**

**Multiple presenters -**

**Harrison Building, Streatham Campus 12:00-16:30**

**Friday 08 Apr 2016: The effects of terrain length scales on cold-air pooling processes**

**Dr. Paul Burns - University College Dublin**

**H209 13:30-14:30**

**Thursday 07 Apr 2016: Dynamics seminar - Mathematical exploration of the cardio-respiratory system**

**Alona Ben-Tal - Massey University**

**H103 14:30-16:30**

**Wednesday 06 Apr 2016: Seminar: Cold, Cloudy, and Hazy: Some New Results on Cool Substellar Atmospheres**

**Dr Mark Marley - NASA AMES Research Center**

**Physics, 4th floor 14:00-15:00**

**Tuesday 05 Apr 2016: Dissipative heating in convection**

**Laura Currie -**

**Physics 4th Floor Interaction Area 11:15-11:45**

**Monday 04 Apr 2016: Seminar: The magnetic characteristics of cool dwarfs**

**Victor See - University of St Andrews**

**Physics, 4th floor 14:30-15:30**

**Monday 04 Apr 2016: Some problems on cyclic extensions**

**James Quah - Singapore**

**H102 14:30-15:30**

**Thursday 24 Mar 2016: Joint Astrophysics & GAFD Seminar: Joys of Convective Stars and Their Magnetic Dynamos**

**Prof Juri Toomre - University of Colorado, Boulder**

Harrison 101 14:30-16:30

**Thursday 24 Mar 2016: Joys of Convective Stars and Their Magnetic Dynamos (Joint Astrophysics & GAFD Seminar)**

**Prof. Juri Toomre - JILA & Department of Astrophysical and Planetary Sciences, University of Colorado, Boulder, USA**

H101 14:30-16:00

**Wednesday 23 Mar 2016: Seminar: Disentangling interstellar dust**

**Dr Stuart Sale - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 23 Mar 2016: Dynamics seminar: Dynamics of wave patterns in excitable and oscillatory media**

**Hans Dierckx - Ghent University**

H215 15:30-17:30

**Tuesday 22 Mar 2016: Power from the tides**

**Chris Binnie -**

Harrison 170 13:30-14:30

**Tuesday 22 Mar 2016: Moments of Dirichlet polynomials and random matrix theory**

**Winston Heap - Norwegian University of Science and Technology**

H101 14:30-15:30

**Monday 21 Mar 2016: 3D Propagation of Solar Energetic Particles (GAFD Seminar)**

**Dr Silvia Dalla - University of Central Lancashire**

H103 14:30-16:00

**Monday 21 Mar 2016: Moments of the Riemann Zeta Function and Random Matrices, II**

**Julio Andrade - Exeter**

H101 14:30-15:30

**Thursday 17 Mar 2016: Statistical Science Seminar: Generalising the Metropolis-Hastings Algorithm: Approaches for parallelising MCMC algorithms.**

**Ben Calderhead - Imperial College**

H101 14:30-16:30

**Thursday 17 Mar 2016: The integral Bernstein center for GL<sub>n</sub> and the local Langlands correspondence in families**

**David Helm - Imperial College London**

H209 14:30-16:00

**Tuesday 15 Mar 2016: Towards more physically based modelling of urban rainfall-runoff processes**

**Andy Bailey - University of Sheffield**

Harrison 170 13:30-14:30

**Monday 14 Mar 2016: 3D electron density distributions in the solar corona during solar minima: assessment for more realistic solar wind modelling (GAFD Seminar)**

**Dr Judith de Patoul - University of Exeter**

H103 14:30-16:00

**Thursday 10 Mar 2016: Auto-correlations of divisor functions in function fields**

**Julio Andrade - Exeter**

H103 14:30-15:30

**Thursday 10 Mar 2016: Computational Fluids Seminar**

**Miriam Mehl - University of Stuttgart**

H101 14:30-16:00

**Thursday 10 Mar 2016: Partitioned Approaches for Multi-Physics Simulations -- From First Ideas to Today's Robust Approaches**

**Miriam Mehl - University of Stuttgart**

H101 14:30-16:00

**Wednesday 09 Mar 2016: Latest developments on the modelling of residential water demand pulses and benefits obtainable thanks to data acquired by smart metering technologies**

**Dr Enrico Creaco - University of Pavia**

Harrison 170 12:00-13:00

**Tuesday 08 Mar 2016: Seminar: Fundamental Properties of M Dwarf Stars and Their Many Exoplanets**

**Prof Phillip Muirhead - Boston University**

Physics, 4th floor 14:00-15:00

**Tuesday 08 Mar 2016: Toward sustainability of urban water systems: interdependencies with other infrastructure**

**Professor Liz Varga - Cranfield University**

Harrison 170 13:30-14:30

**Monday 07 Mar 2016: Automated Sign Language Recognition using Discriminative Sequential Pattern Trees**

**Nicolas Pugeault -**

Har/170 15:30-16:30

**Monday 07 Mar 2016: Dynamics seminar - Mathematics Arising from Stent Implantation**

**Prof. Sean McKee - University of Strathclyde**

H103 14:30-16:30

**Monday 07 Mar 2016: Moments of the Riemann Zeta Function and Random Matrices, I**

**Julio Andrade - Exeter**

H107 14:30-15:30

**Friday 04 Mar 2016: Gravitational Waves and their Detection**

**Prof. James Hough - University of Glasgow**

Newman Red 12:30-13:30

**Tuesday 01 Mar 2016: Journal club**

**Damian Rumble - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 01 Mar 2016: Weather Radar and Quantitative Precipitation Forecast/Estimation**

**Dr Yunqing Xuan - Swansea University**

Harrison 170 13:30-14:30

**Tuesday 01 Mar 2016: Quantitative Precipitation Estimation and Forecast (QPE/QPF): what are they and why are they important to flood research?**

**Dr. Yunqing Xuan - Zienkiewicz Computational Engineering Research Centre, Swansea University**

Harrison 170 13:30-14:30

**Monday 29 Feb 2016: Horizontal and vertical spectra from the UM, and the effects of stratified turbulence**

**Prof. Mike Cullen - Met Office**

H103 14:30-16:00

**Monday 29 Feb 2016: Optimizing Existing Software With Genetic Programming**

**Bill Langdon - UCL**

H170 15:30-16:30

**Friday 26 Feb 2016: Revisiting time reversal and holography with spacetime transformations.**

**Prof. Mathias Fink - Institut Langevin, ESPCI ParisTech**

Newman Red 12:30-13:30

**Thursday 25 Feb 2016: Statistical Science Seminar: Model-Based Geostatistics for Prevalence Mapping in Low-Resource Settings**

**Peter Diggle - Lancaster University**

H101 14:30-16:30

**Wednesday 24 Feb 2016: Seminar: Asteroseismology and the structure of core helium burning stars**

**Dr Tom Constantino - University of Exeter**

Physics, 4th floor 14:00-15:00

**Tuesday 23 Feb 2016: Journal club**

**Jon Rees - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 23 Feb 2016: Keeping-up with uncertainty: planning water resources under climate change**

**Dr Edoardo Borgomeo - Smith School of Enterprise and the Environment**

Harrison 170 13:30-14:30

**Monday 22 Feb 2016: CS Research Conversations: Conversation on Research in CS**

**Dr Kevin Sales and Prof Ed Keedwell -**

Queen's/LT6.2 15:30-16:30

**Thursday 18 Feb 2016: Badly approximable points in Twisted Diophantine Approximation**

**Paloma Bengoechea - York**

H103 14:30-15:30

**Thursday 18 Feb 2016: Statistical Science Seminar: A dilemma in Bayesian chronology construction**

**Caitlin Buck - University of Sheffield**

H101 14:30-16:30

**Thursday 18 Feb 2016: Cloud E-learning for Mechatronics**

**KUO-MING CHAO - University of Coventry**

Streatham Court B 14:30-15:30

**Tuesday 16 Feb 2016: Journal club**

**Tom Wilson - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 16 Feb 2016: Modelling flood and sediment transport to support flood risk assessment**

**Dr Mingfu Guan - University of Leeds**

Harrison 170 13:30-14:30

**Monday 15 Feb 2016: Joint Astrophysics & GAFD Seminar: Condensation and climate dynamics in exoplanet atmospheres**

**Prof Raymond Pierrehumbert - University of Oxford**

Harrison 103 14:30-16:00

**Monday 15 Feb 2016: Condensation and climate dynamics in exoplanet atmospheres (Joint Astrophysics & GAFD Seminar)**

**Prof. Raymond Pierrehumbert - University of Oxford**

H103 14:30-16:00

**Monday 15 Feb 2016: Where can your Maths degree take you?**

**Exeter Alumni Speakers -**

(HAR 101) 14:30-15:30

**Thursday 11 Feb 2016: The Hasse norm principle for abelian extensions**

**Rachel Newton - Reading**

H103 14:30-15:30

**Thursday 11 Feb 2016: Error Estimates and 2nd Order Corrections to Approximate Fluid Models (GAFD Seminar)**

**Dr Bin Cheng - University of Surrey**

H101 14:30-16:00

**Thursday 11 Feb 2016: Employer in the Foyer**

**Teach First -**

Harrison Building Foyer 11:00-16:30

**Thursday 11 Feb 2016: Met Office: Technology, Science and Innovation (TSI)**

**David Parker -**

Streatham Campus- Forum Exploration Lab 1 14:30-15:30

**Wednesday 10 Feb 2016: Seminar: Simulating observations and flow interactions with discs around young protostars**

**Dr Tom Douglas - University of Exeter**

Physics, 4th floor 14:00-15:00

**Tuesday 09 Feb 2016: Journal club**

**Matt Willson - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 09 Feb 2016: Real world engineering applications of coastal modelling**

**Tom Ashby - WSP Group**

Harrison 170 13:30-14:30

**Monday 08 Feb 2016: Offline Machine Learning for Selection Hyper-Heuristics**

**Bill Yates -**

Har/170 15:30-16:30

**Monday 08 Feb 2016: Dynamics seminar: Instantaneous gelation and explosive condensation in non-equilibrium cluster growth**

**Colm Connaughton - University of Warwick**

H103 14:30-16:30

**Thursday 04 Feb 2016: NASA- Exeter Alumnus Talk**

**Daniel Holdaway -**

Streatham Campus- (HAR 004) 18:30-19:30

**Thursday 04 Feb 2016: The background state of the atmosphere and slow modes of variability (GAFD Seminar)**

**Prof. John Methven - University of Reading**

H103 14:30-16:00

**Thursday 04 Feb 2016: Statistical Science Seminar: TBA**

**Daniel Simpson - University of Bath**

H101 14:30-16:00

**Wednesday 03 Feb 2016: Seminar: Assessing Magnetospheric Accretion in Herbig Ae/Be Stars**

**Dr Alicia Aarnio - University of Michigan**

Physics, 4th floor 14:00-15:00

**Tuesday 02 Feb 2016: Journal club**

**Felix Sainsbury-Martinez - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 02 Feb 2016: Met Office: Technology, Science and Innovation (TSI)**

**Chris Little -**

Streatham Campus- Streatham Court B 12:30-13:30

**Tuesday 02 Feb 2016: Can we achieve safe, sustainable and resilient rainwater harvesting?**

**Dr Sarah Ward - Centre for Water Systems University of Exeter**

Harrison 170 13:30-14:30

**Friday 29 Jan 2016: Speckle, scattering and imaging**

**Prof. Chris Dainty - University College London**

Newman Red 12:30-13:30

**Thursday 28 Jan 2016: Seminar: On the road to a (fully resolved) molecular cloud catalogue of the Galaxy**

**Dr Dario Colombo - MPIFR**

Physics, 4th floor 14:00-15:00

**Thursday 28 Jan 2016: p-adic deformation of motivic Chow groups**

**Andreas Langer - Exeter**

H103 14:30-15:30

**Wednesday 27 Jan 2016: Seminar: \*\*\*11am\*\*\* Accretion Disk formation following tidal disruption of stars on bound orbits around spinning supermassive black holes**

**Prof Kimitake Hayasaki - Chungbuk National University, S Korea**

Physics, 4th floor 11:00-12:00

**Wednesday 27 Jan 2016: Crowdcube: Technology, Science and Innovation (TSI)**

**Thor Mitchell and Will Collins -**

Harrison Building 004, Streatham Campus 13:00-14:30

**Tuesday 26 Jan 2016: Journal club**

**Ben Lewis - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 26 Jan 2016: Who should decide and how should they do it?**

**Dr Nick Mount - University of Nottingham**

Harrison 170 13:30-14:30

**Monday 25 Jan 2016: CEMPS - The Impact Incubator**

**Professor John Terry (Chair) - Associate Dean for Research (Impact)**

Innovation Centre - Conference room 1&2 13:00-17:00

**Monday 25 Jan 2016: Developing Your Networks**

**Met Office and Handelsbanken -**

(HAR 101) 14:30-16:30

**Friday 22 Jan 2016: Physics Impact Workshop**

**Professor Tim Harries (Chair) - Director of Research, Physics and Astronomy**

Amory Room A128 11:00-15:30

**Thursday 21 Jan 2016: Unlikely intersections in Shimura varieties**

**Chris Daw - IHES Paris**

H103 15:30-16:30

**Thursday 21 Jan 2016: Statistical Science Seminar: Posterior Belief Assessment: extracting meaningful subjective judgements from Bayesian analyses of complex statistical models**

**Danny Williamson - University of Exeter**

H101 14:30-16:30

**Wednesday 20 Jan 2016: Seminar: GMC Populations of Nearby Galaxies**

**Dr Annie Hughes - IRAP, Toulouse**

Physics, 4th floor 14:00-15:00

**Wednesday 20 Jan 2016: Making Valid Inferences in Observational Studies using Propensity Score Analysis**

**Dr Michael A Posner - Villanova University**

Room 115, Rolle Building, Plymouth University 15:00-16:00

**Wednesday 20 Jan 2016: Extracting Information from Social Media using R**

**Julian Stander - Plymouth University**

Fitzroy Building 205, Plymouth University 14:00-15:00

**Tuesday 19 Jan 2016: Journal club: Fully consistent non-equilibrium chemistry in hot exoplanet atmospheres**

**Ben Drummond - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 19 Jan 2016: The Implications of the Evolving Flood Risk Management Responsibilities in the UK on Hydraulic Modelling in the Consultancy Sector**

**Simon Ainley - Arcadis Consulting UK**

Harrison 170 13:30-14:30

**Tuesday 19 Jan 2016: Mock Interviews**

**E3 Consulting -**

Harrison Foyer Meeting Room 09:00-12:00

**Tuesday 19 Jan 2016: Employer Presentation**

**E3 Consulting -**

(HAR 107) 17:30-18:30

**Tuesday 19 Jan 2016: Employer in the Foyer**

**E3 Consulting -**

Harrison Building Foyer 13:00-16:00

**Friday 15 Jan 2016: Why Radionuclides are Good for You**

**Professor Bill Lee - Centre for Nuclear Engineering and Department of Materials, Imperial College London, UK.**

Newman Red Lecture Theatre 15:30-17:00

**Thursday 14 Jan 2016: Dynamics seminar: Synchrony in neural networks: from Ott-Antonsen reductions to the master stability function**

**Stephen Coombes - University of Nottingham**

H103 14:30-16:30

**Thursday 14 Jan 2016: Employer Presentation**

**Devon County Council -**

(HAR 203) 15:00-16:00

**Tuesday 12 Jan 2016: Journal club**

**Georgios Pantolmos - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Tuesday 12 Jan 2016: Current State-of-the Art for Urban Flood Forecasting**

**Richard Allitt and Bryony Crickmore - Richard Allitt**

Harrison 170 13:30-14:30

**Monday 11 Jan 2016: Modelling and Performance Analysis of UAV Swarm from the Communication Perspective**

**Chumbo Luo -**

Har/170 15:30-16:30

**Tuesday 22 Dec 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Wednesday 16 Dec 2015: Seminar: Eccentric planets sculpting debris discs**

**Tim Pearce - University of Cambridge**

Physics, 4th floor 14:00-15:00

**Tuesday 15 Dec 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Monday 14 Dec 2015: Dynamics seminar: Entropic flows and their stochastic corrections for particle models**

**Johannes Zimmer - University of Bath**

Harrison 103 14:30-15:30

**Friday 11 Dec 2015: Inside Nature Materials**

**Dr. Maria Maragkou - Nature Materials**

Newman Red 12:30-13:30

**Thursday 10 Dec 2015: Statistical Science Seminar: What role should formal risk-benefit decision-making play in the regulation of medicines?**

**Deborah Ashby - Imperial College**

H101 14:30-16:30

**Thursday 10 Dec 2015: The Birational Section Conjecture over Function Fields**

**Michael Tyler - Exeter**

H103 14:30-15:30

**Thursday 10 Dec 2015: Light Fantastic: The Science of Colour - IMechE Christmas Lecture**

**Professor Pete Vukusic - University of Exeter**

Alumni Auditorium, The Forum, Streatham Campus 18:00-19:00

**Wednesday 09 Dec 2015: Leverhulme Lecture: MESA & GYRE: Stellar Astrophysics for the People**

**Prof Richard Townsend - University of Wisconsin-Madison**

Physics, 4th floor 14:00-15:00

**Wednesday 09 Dec 2015: Escaping the traps of strong and weak scaling with parallel-in-time integration**

**Daniel Ruprecht - University of Leeds**

Laver 212 15:30-16:30

**Tuesday 08 Dec 2015: Theory seminar**

TBA - TBA

TBA 15:00-16:00

**Tuesday 08 Dec 2015: Solving the Charitable Water Crisis.**

**Rob Hygate - Africa Water Enterprises**

Harrison 170 14:30-15:30

**Tuesday 08 Dec 2015: Journal club**

**Chris Mowat - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 07 Dec 2015: Statistical distance and geodesics in non-equilibrium systems (GAFD Seminar)**

**Dr Eun-Jin Kim - The University of Sheffield**

Harrison 103 14:30-16:00

**Friday 04 Dec 2015: AG dynamics seminar: Eaton lenses, pseudo-integrable billiards and genericity along curves**

**Corinna Ulcigrai - University of Bristol**

Kay Building, St Johns 15:00-16:00

**Thursday 03 Dec 2015: Statistical Science Seminar: "TB or not TB?"**

**TJ McKinley - University of Exeter (Cornwall Campus)**

H101 14:30-16:30

**Thursday 03 Dec 2015: Counting designs**

**Peter Keevash (Oxford) -**

H103 14:30-15:30

**Wednesday 02 Dec 2015: Seminar: Variability in tidal disruption events**

**Dr Chris Nixon - University of Leicester**

Physics, 4th floor 14:00-15:00

**Wednesday 02 Dec 2015: Intense submesoscale upwelling in anticyclonic eddies - a new pathway to the ocean interior**

**Liam Brannigan - University of Oxford**

Harrison 209 15:30-17:00

**Wednesday 02 Dec 2015: Bayesian Copula Modelling in the Presence of Covariates**

**Julian Stander - Plymouth University**

RLB209, Plymouth University 14:00-15:00

**Tuesday 01 Dec 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 01 Dec 2015: Strategic questions facing the UK water industry**

**Hans Jensen - UKWIR**

Harrison 170 14:30-15:30

**Tuesday 01 Dec 2015: Journal club: Predicting the dependence of stellar properties on initial conditions**

**Michael Jones - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 30 Nov 2015: Jupiter's unearthy jet streams: a new turbulent model exhibiting statistical steadiness without large-scale dissipation (GAFD seminar)**

**Dr Stephen Thomson - University of Exeter**

H103 14:30-15:30

**Friday 27 Nov 2015: SLM-based synthetic holography in microscopy**

**Prof. Monika Ritsch-Marte - Medical University of Innsbruck**

Newman Red 12:30-13:30

**Thursday 26 Nov 2015: [NEST seminar] Nanomaterials in Motion: Real time imaging by in-situ Electron Microscopy**

**Professor Beverley Inkson - NanoLAB Centre, Department of Materials Science and Engineering, University of Sheffield**

HAR/170 (3D Visualisation Suite) 13:30-14:30

**Thursday 26 Nov 2015: Statistical Science Seminar: Using physics to enhance predictions in statistical models**

**Birgir Hrafnkelsson -**

H101 14:30-16:30

**Thursday 26 Nov 2015: Dynamics reading group**

tbc -

H103 14:30-16:30

**Wednesday 25 Nov 2015: Seminar: \*\*\*CHANGE OF TIME 4pm\*\*\* The Role of Discs in the Collapse and Fragmentation of Prestellar Cores**

**Dr Oliver Lomax - Cardiff University**

Physics, 4th floor 16:00-17:00

**Tuesday 24 Nov 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 24 Nov 2015: Should we rely on national datasets to assess local, rural flooding?**

**Rachel Bird - WSP Group**

Harrison 170 14:30-15:30

**Tuesday 24 Nov 2015: A calibration of the mixing-length parameter based on 3D convection simulations for rotating stars with magnetic fields**

**Lewis Ireland - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 23 Nov 2015: Seminar: Water, Habitability, and Biosignature Detection on Rocky Planets in the Habitable Zones of M dwarfs**

**Prof Feng Tian - Center for Earth System Science, Tsinghua University, Beijing, China**

Physics, 4th floor 11:30-12:30

**Monday 23 Nov 2015: Earth System Model Evaluation with Observations to Constrain Future Climate Projections (Maths Colloquium)**

**Prof Veronika Eyring - Institute of Atmospheric Physics, DLR, Germany**

Harrison 103 14:30-16:00

**Thursday 19 Nov 2015: Dynamics seminar: Lucia Marucci**

**Lucia Marucci - University of Bristol**

H103 14:30-16:30

**Wednesday 18 Nov 2015: Seminar: Radial Migration in Spiral Galaxies**

**Dr Victor Debattista - University of Central Lancashire**

Physics, 4th floor 14:00-15:00

**Tuesday 17 Nov 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 17 Nov 2015: Spatial Modelling of Extreme Precipitation in Urban Areas**

**Chandra Rupa - Indian Institute of Science, Bangalore, India**

Harrison 170 14:30-15:30

**Tuesday 17 Nov 2015: Radiation-hydrodynamical models of stellar feedback in clusters**

**Ahmad Ali - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 16 Nov 2015: Long-range Ordering and Negative Temperature States of Quantized Vortices in a Two-Dimensional Superfluid (GAFD seminar)**

**Dr Hayder Salman - University of East Anglia**

Harrison 103 14:30-16:00

**Thursday 12 Nov 2015: [NEST seminar] Bio-Inspired Approaches to Bespoke Crystals: From Colour to Mechanical Properties**

**Professor Fiona Meldrum - School of Chemistry, Faculty of Mathematics and Physical Sciences, University of Leeds**

HAR/170 (3D Visualisation Suite) 13:30-14:30

**Thursday 12 Nov 2015: Statistical Science Seminar: Abrupt changes in climate and ecosystems: data-driven approach for identification and characterization**

**Claudie Beulieu - National Oceanography Centre, Southampton**

H101 14:30-16:30

**Thursday 12 Nov 2015: Dynamics reading group**

tbc -

H103 14:30-16:30

**Wednesday 11 Nov 2015: [NEST seminar] Thermoresponsive Hydrogels as Self-cleaning Membranes for Implanted Glucose Biosensors**

**Professor Melissa A Grunlan - Department of Biomedical Engineering, Department of Materials Science and Engineering, Texas A&M University**

HAR/170 (3D Visualisation Suite) 13:30-14:30

**Tuesday 10 Nov 2015: Theory seminar**

TBA - TBA

TBA 15:00-16:00

**Tuesday 10 Nov 2015: Beyond  flood hotspots : co-production of knowledge between academia and stakeholders for improved resilience of emergency response to flood disasters**

**Dr Dapeng Yu - Loughborough University**

Harrison 170 14:30-15:30

**Tuesday 10 Nov 2015: Direct imaging of exoplanets and debris disks**

**Elisabeth Matthews - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 09 Nov 2015: Almost sure continuity along curves traversing the Mandelbrot set**

**Michael Benedicks - KTH Stockholm**

\*\*\* Harrison 209 \*\*\* 14:30-15:30

**Friday 06 Nov 2015: Dynamical Climate Perturbations and the Fluctuation-Dissipation Theorem (GAFD/Climate seminar)**

**Prof. Alan Plumb - Massachusetts Institute of Technology (visiting University of Reading)**

H170 14:00-15:00

**Thursday 05 Nov 2015: Statistical Science Seminar: Regional Climate Modelling: Artifacts and Added Value**

**John Scinocca - Canadian Centre for Climate Modelling and Analysis**

H101 14:30-16:30

**Thursday 05 Nov 2015: Special values of L-functions in automorphic period integrals**

**Andrew Corbett - University of Bristol**

H103 14:30-16:30

**Wednesday 04 Nov 2015: Seminar: \*\*\*CHANGE OF TIME 3pm\*\*\*  
Detecting and Characterising Planets with Direct Imaging**

**Dr Beth Biller - University of Edinburgh**

Physics, 4th floor 15:00-16:00

**Tuesday 03 Nov 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 03 Nov 2015: A new experimental-based methodology to obtain the stability threshold for real vehicles exposed to flooding**

**Eduardo Martínez - Flumen Research Institute**

Harrison 170 14:30-15:30

**Tuesday 03 Nov 2015: Synthetic observations of star formation**

**Alison Young - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Friday 30 Oct 2015: CERN's LHC: First the Higgs boson, what comes next?**

**Prof. William J. Murray - University of Warwick & ATLAS collaboration**

Newman Red 12:30-13:30

**Thursday 29 Oct 2015: Statistical Science Seminar: Modeling Lagrangian trajectories as stochastic processes**

**Sofia Olhede - University College London**

H101 14:30-16:30

**Thursday 29 Oct 2015: Dynamics seminar: Numerical Bifurcation Analysis of a model of joint action**

**Prof. Krasimira Tsaneva-Atanasova - University of Exeter**

H103 14:30-16:30

**Thursday 29 Oct 2015: Recruitment talk for civil engineering students by Foster and Partners**

**James Bishop - Foster and Partners**

Harrison 103 12:30-13:30

**Tuesday 27 Oct 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 27 Oct 2015: ICT4WATER: Using ICT and Innovation to Address Societal Challenges and Promote Sustainable Living**

**Professor Chrysi Laspidou - University of Thessaly**

Harrison 170 14:30-15:30

**Tuesday 27 Oct 2015: Astrophysics Journal Club 2016-17**

**Jessica Spake - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Thursday 22 Oct 2015: p-adic measures of Hermitian modular forms**

**Athanasios Bouganis - University of Durham**

H103 14:30-16:30

**Wednesday 21 Oct 2015: Seminar: Tori, disks, and winds - the AGN dust emission at high angular resolution**

**Dr Sebastian Hoenig - University of Southampton**

Physics, 4th floor 14:00-15:00

**Tuesday 20 Oct 2015: Theory seminar**

TBA - TBA

TBA 15:00-16:00

**Tuesday 20 Oct 2015: Developments in the Coastal Zone**

**Mr James Prescott - Arcadis**

Harrison 170 14:30-15:30

**Tuesday 20 Oct 2015: Interstellar dust, or protoplanetary grains? A study of dust grains and extinction of stellar light**

**Sam Morrell - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 19 Oct 2015: Dynamics seminar: Analysis of local bifurcations in neural fields with transmission delays**

**Sid Visser - University of Exeter**

H103 14:30-16:30

**Thursday 15 Oct 2015: Dynamics seminar: Imaging and control of cardiac waves in vitro.**

**Gil Bub - University of Oxford**

H103 14:30-16:30

**Wednesday 14 Oct 2015: Seminar: Stellar Evolution and Hydrodynamics: 321D link**

**Dr Raphael Hirschi - University of Keele**

Physics, 4th floor 14:00-15:00

**Tuesday 13 Oct 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 13 Oct 2015: Smart water utilities - complexity made simple**

**Professor Gustaf Olsson - Lund University**

Harrison 170 14:30-15:30

**Tuesday 13 Oct 2015: Interferometry of young stellar objects**

**Edward Hone - University of Exeter**

Physics 4th Floor Interaction Area 11:15-11:45

**Thursday 08 Oct 2015: Modelling Light Curves for Improved Classification of Astronomical Objects**

**Professor Julian Faraway - Bath University**

H101 14:30-16:30

**Wednesday 07 Oct 2015: Seminar: Gloomy planets: overcoming remote sensing challenges for cloudy atmospheres**

**Dr Jo Barstow - University of Oxford**

Physics, 4th floor 13:30-14:30

**Tuesday 06 Oct 2015: Theory seminar**

TBA - TBA

TBA 15:00-16:00

**Tuesday 06 Oct 2015: Resilience-based evaluation of urban drainage systems**

Seith Mugume - University of Exeter

Harrison 170 14:30-15:30

**Tuesday 06 Oct 2015: Can SAPHIR instrument onboard meghatropiques retrieve rainfall characteristics? / Exoplanet atmospheres**

Jayesh Goyal - University of Exeter

Physics 4th Floor Interaction Area 11:15-11:45

**Monday 05 Oct 2015: Using in situ data to get the most generic interplanetary CME: from shape to magnetic field budgets (GAFD seminar)**

Dr Miho Janvier - University of Dundee

Harrison 103 14:30-16:00

**Thursday 01 Oct 2015: Dynamics seminar: Periodic solutions of a delayed Van der Pol oscillator**

Gabor Kiss - Bolyai Institute, University of Szeged, Hungary

H103 14:30-16:30

**Wednesday 30 Sep 2015: Seminar: Chemical Characterization of Extrasolar Planets**

Dr Nikku Madhusudhan - University of Cambridge

Physics, 4th floor 14:00-15:00

**Tuesday 29 Sep 2015: Theory seminar**

TBA - TBA

TBA 15:00-16:00

**Tuesday 29 Sep 2015: Is doing flood risk science differently really an experiment in radical scientific method?**

**Dr Mike Yearworth - University of Bristol**

Harrison 170 14:30-15:30

**Monday 28 Sep 2015: Convective instabilities in evolving systems (GAFD Seminar)**

**Dr Oliver Kerr - City University**

Harrison 103 14:30-16:00

**Monday 28 Sep 2015: Recent developments in the quantification of aerosol radiative forcing**

**Nicolas Bellouin - University of Reading**

Institute of Arab & Islamic Studies IAIS Building/ Room: LT2 10:00-11:00

**Friday 25 Sep 2015: Quantum plasmonics, Casimir forces and non-local nanophotonics**

**Dr. Vincenzo Giannini - Imperial College**

Newman Red 12:30-13:30

**Friday 25 Sep 2015: Decision Making Strategies for Integrated Water Resources Management**

**Professor Shaul Shorek - Ben-Gurion University of the NEGEV**

Harrison 170 13:30-14:30

**Wednesday 23 Sep 2015: Information, Leadership & Social Media**

**Professor Philip Habel - University of Glasgo**

Amory 417, University of Exeter 14:20-16:00

**Tuesday 22 Sep 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 22 Sep 2015: Urban water and sanitation strategy development in low income city areas of Africa**

**Richard Wilson - Water and Sanitation for the Urban Poor**

Harrison 170 14:30-15:30

**Monday 21 Sep 2015: Posterior belief assessment: extracting meaningful subjective judgements from Bayesian analyses with complex statistical models**

**Danny Williamson - University of Exeter**

H103 14:30-15:30

**Thursday 17 Sep 2015: [NEST seminar] Sustainable Carbon Materials and Chemicals from Biomass Hydrothermal Processes**

**Prof Maria-Magdalena Titirici - School of Engineering and Materials Science, Queen Mary University of London**

HAR/170 (3D Visualisation Suite) 13:30-14:30

**Thursday 17 Sep 2015: Zonal flows, collisions, and energy confinement in fusion plasmas (GAFD seminar)**

**Greg Colyer - University of Oxford**

Harrison 209 14:30-16:00

**Tuesday 15 Sep 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 08 Sep 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 08 Sep 2015: Prominences, the magnetic Rayleigh-Taylor instability and what we can learn about the prominence magnetic field**

**Dr Andrew Hillier - University of Cambridge**

Laver LT6 14:30-16:00

**Tuesday 08 Sep 2015: A Smart City for Disaster Mitigation**

**Dr Sheng-Chi Yang - Taiwan Typhoon and Flood Research Institute**

Harrison 170 13:00-14:00

**Friday 04 Sep 2015: Decision support systems for hydrocarbon remediation projects in Chile**

**Prof. Bernardo Gonzalez - Universidad Adolfo Ibañez, Chile**

Harrison 170 11:00-12:00

**Tuesday 01 Sep 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 01 Sep 2015: GAFD Seminar**

**Prof Tsutomu Kambe - Former Professor, University of Tokyo, Japan.**

Laver LT6 10:30-12:00

**Tuesday 25 Aug 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 18 Aug 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 11 Aug 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 04 Aug 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 28 Jul 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 21 Jul 2015: Seminar: (TUE) The Outer Architecture of Planetary Systems**

**Dr Brendan Bowler - California Institute of Technology**

Physics, 4th floor 14:00-15:00

**Tuesday 21 Jul 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 14 Jul 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 07 Jul 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 30 Jun 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 30 Jun 2015: IHR Health Stats Seminar: Using Real Word Evidence in Health Technology Assessment Decision Making**

**Professor Keith R Abrams - Department of Health Sciences, University of Leicester**

JS07 Smeall Building, St Luke's Campus 11:00-12:00

**Friday 26 Jun 2015: Seminar: Low-Resolution Optical Transmission Spectroscopy of Exoplanet Atmospheres**

**Dr Catherine Huitson - University of Colorado**

Physics, 4th floor 14:00-15:00

**Thursday 25 Jun 2015: AG dynamics seminar: Nontrivial collective dynamics in a pulse-coupled variant of the Kuramoto model**

**Antonio Politi - University of Aberdeen**

Harrison 209 16:00-17:00

**Thursday 25 Jun 2015: Astrophysics stand at Big Bang! SW**

**Jenny Hatchell, Felix Sainsbury-Martinez, John Rees, Andrew McLoud -**

University of Exeter Tennis Centre 09:00-16:00

**Tuesday 23 Jun 2015: Seminar: (TUE) double talk: "Dust/gas in HL Tau" and "Finding the disc around pre-stellar objects"**

**Dr Daniel Price and Dr James Wurster - Monash University, Australia**

Physics, 4th floor 14:00-15:00

**Tuesday 23 Jun 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Friday 19 Jun 2015: Empirical validation of conceptual climate models**

**Charles D Camp - California Polytechnic State University**

Harrison 170 11:00-12:00

**Tuesday 16 Jun 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Wednesday 10 Jun 2015: Seminar: Formation of Close-in Super-Earths via an MRI-Induced Pressure Barrier**

**Dr Subhanjoy Mohanty - Imperial College London**

Physics, 4th floor 14:00-15:00

**Wednesday 10 Jun 2015: While Waiting For The Next Flood**

**Prof Slobodan Djordjevic - University of Exeter**

Frank Oliver Recital Hall, Kay House Duryard 17:30-20:30

**Tuesday 09 Jun 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Thursday 04 Jun 2015: Seminar: NEMESIS - the retrieval of atmospheric properties from remotely-sensed planetary, exoplanetary and brown dwarf spectra. (THU 4pm)**

**Prof Patrick Irwin - Oxford University**

Physics, 4th floor 16:00-15:00

**Thursday 04 Jun 2015: Vehicular Networks and Vehicle-to-Grid Technologies**

**Prof. Supeng Leng - Vice Dean of Research at School of Communication and Information Engineering, University of Electronic Science and Technology of China**

Harrison 101 15:00-16:00

**Wednesday 03 Jun 2015: Seminar: The exo-Zodi problem: will the next pale blue dot turn out to be a faint red clump?**

**Dr Grant Kennedy - University of Cambridge**

Physics, 4th floor 14:00-15:00

**Wednesday 03 Jun 2015: Convergence of Computing, Telecommunications and Storage**

**Prof. Pingzhi Fan - IEEE Fellow, IET Fellow, Director of Institute of Mobile Communications, Southwest Jiaotong University, China**

Harrison 170 15:00-16:00

**Tuesday 02 Jun 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Friday 29 May 2015: Seminar: Black Holes in Globular Clusters**

**Prof Craig Heinke - University of Alberta**

Physics, 4th floor 14:00-15:00

**Tuesday 26 May 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Thursday 21 May 2015: Scanning transmission electron microscope imaging and analysis for optimising 2D crystal -graphene device heterostructures**

**Dr Sarah Haigh - University of Manchester, School of Materials Material Science Centre**

HAR/170 (3D Visualisation Suite) 14:00-15:30

**Tuesday 19 May 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Monday 18 May 2015: Colloquium: Negative ions and photoelectrons in the Saturn system**

**Prof Andrew Coates - Mullard Space Science Laboratory, UCL**

Harrison 004 15:00-16:00

**Thursday 14 May 2015: Stuff Matters**

**Prof Mark Miodownik - UCL**

HAR/004 17:15-19:00

**Wednesday 13 May 2015: Seminar: Getting to know HD209458b: the challenges of interpreting exoplanet data"**

**Dr Tom Evans - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 13 May 2015: Local Exponential Methods: a domain decomposition approach to exponential time integration of PDEs**

**Luca Bonaventura -**

Harrison 170 11:00-12:00

**Tuesday 12 May 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Thursday 07 May 2015: Silk: More than just a fibre**

**Dr Chris Holland - Department of Materials Science and Engineering,  
University of Sheffield**

HAR/170 (3D Visualisation Suite) 14:00-15:30

**Tuesday 05 May 2015: Theory seminar**

**Dan Browne - UCL**

TBA 15:00-16:00

**Tuesday 05 May 2015: AG dynamics seminar: Borel Cantelli Lemmas and almost sure convergence of extremes for hyperbolic dynamical systems**

**Mark Holland - University of Exeter**

Harrison 209 16:00-17:00

**Thursday 30 Apr 2015: Optimization Techniques for Workforce Scheduling and Routing Problems**

**Professor Dario Landa-Silva - University of Nottingham**

Harrison 103 15:00-16:00

**Thursday 30 Apr 2015: CliMathNet seminar: The use of adaptive mesh methods in meteorology**

**Chris Budd - University of Bath**

Harrison 209 15:30-16:30

**Wednesday 29 Apr 2015: Seminar: Exploring Galaxy Formation in the First Billion Years**

**Dr Stephen Wilkins - University of Sussex**

Physics, 4th floor 14:00-15:00

**Wednesday 29 Apr 2015: Mathematics of Cause, Waves as Particles, and Mending Broken Hearts**

**Prof Vadim Biktashev - University of Exeter**

HAR/004 17:15-19:30

**Tuesday 28 Apr 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Wednesday 22 Apr 2015: Seminar: Explaining Jupiter's internal dynamics**

**Dr Thomas Gastine - Max Planck Institute for Solar System Research (MPS)**

Physics, 4th floor 14:00-15:00

**Tuesday 21 Apr 2015: CliMathNet workshop: Decision analysis for policy support in climate change adaptation and mitigation**

**Various - Various**

Lecture Theatre 6, Laver Building 10:30-17:30

**Monday 20 Apr 2015: Theory seminar**

**Felix von Oppen - FU Berlin**

Physics 124 13:00-14:00

**Monday 20 Apr 2015: Particle displacements by swimming organisms**

**Jean-Luc Thiffeault - University of Wisconsin, Madison**

Harrison 170 15:00-16:00

**Monday 20 Apr 2015: Research First Week**

**College Staff -**

**Exeter & Penryn 09:00-17:00**

**Monday 20 Apr 2015: CliMathNet workshop: Decision analysis for policy support in climate change adaptation and mitigation**

**Various - Various**

**Lecture Theatre 6, Laver Building 09:00-16:00**

**Tuesday 14 Apr 2015: Theory seminar**

**TBA - TBA**

**TBA 15:00-16:00**

**Monday 13 Apr 2015: Computing Global Invariant Manifolds: Techniques and Applications**

**Hinke Osinga - University of Aukland**

**H103 15:00-16:00**

**Tuesday 07 Apr 2015: Theory seminar**

**TBA - TBA**

**TBA 15:00-16:00**

**Tuesday 31 Mar 2015: Theory seminar**

**TBA - TBA**

**TBA 15:00-16:00**

**Monday 30 Mar 2015: Effective Boundary Conditions for Semi-Open Dispersive Systems**

**Lyuba Chumakova - University of Edinburgh**

**Harrison 170 11:00-12:00**

**Friday 27 Mar 2015: Palaeo climate sensitivity - state dependent, non-linear, unpredictable?**

**Anna S. von der Heydt - Utrecht University, The Netherlands**

Harrison 209 13:00-14:00

**Thursday 26 Mar 2015: Modeling the extratropical jets: Connections between the mean climate, variability, and response to anthropogenic forcing**

**Prof Ed Gerber - New York University**

Harrison 103 15:00-16:00

**Thursday 26 Mar 2015: Forecaster's dilemma: Extreme events and forecast evaluation**

**Sebastian Lerch - Institute for Applied Mathematics, Heidelberg University**

H170 15:00-16:00

**Thursday 26 Mar 2015: Dynamics of Coupled Phase Oscillators with Generalized Coupling**

**Christian Bick - University of Exeter**

Harrison 102 16:00-17:00

**Wednesday 25 Mar 2015: Seminar: Weather on extrasolar worlds: Modeling the atmospheric circulation of hot Jupiters and super Earths**

**Dr Tiffany Kataria - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 25 Mar 2015: Controlling Unruly Structures**

**Prof Paul Reynolds - University of Exeter**

HAR/004 17:15-18:30

**Tuesday 24 Mar 2015: Theory seminar**

**Johannes Courtial - Glasgow University**

Physics 124 15:00-16:00

**Tuesday 24 Mar 2015: Drinking Water Treatment through the Ages**

**Mr. Ian Crossley, MIMechE, CEng -**

Harrison 170 14:00-15:00

**Monday 23 Mar 2015: Brumer's conjecture and generalisations**

**Andreas Nickel - Bielefeld**

H103 15:00-16:00

**Monday 23 Mar 2015: How Crossover Speeds Up Building-Block Assembly in Genetic Algorithms**

**Dr Dirk Sudholt - University of Sheffield**

Harrison 170 15:00-16:30

**Friday 20 Mar 2015: Stratified shear turbulence: Application to overflows and gravity currents**

**Robert Ecke - Los Alamos National Laboratory, USA**

Harrison 106 14:00-15:00

**Friday 20 Mar 2015: The discovery of the first giant ring system outside the Solar system**

**Prof. Matthew Kenworthy - University of Leiden**

Newman Red 12:00-13:00

**Thursday 19 Mar 2015: Statistical Science seminar**

**Leighton Regayre - Leeds University**

H101 15:00-16:00

**Thursday 19 Mar 2015: Seminar: Searching for Exoplanets in Holey Debris Disks**

**Prof Matthew Kenworthy - Leiden Observatory**

Physics, 4th floor 14:00-15:00

**Thursday 19 Mar 2015: Elliptic Curves over Real Quadratic Fields are Modular**

**Samir Siksek - University of Warwick**

Harrison 103 15:00-16:00

**Thursday 19 Mar 2015: Chemistry of carbon nanotubes and graphene**

**Professor Karl S. Coleman - Director of Research, Department of Chemistry,  
Durham University**

HAR/170 (3D Visualisation Suite) 14:00-15:30

**Thursday 19 Mar 2015: All things bright and beautiful**

**Professor Roy Sambles and Professor Pete Vukusic -**

Newman Blue lecture theatre 18:45-20:30

**Wednesday 18 Mar 2015: Seminar: The Evolution and Compositions of Sub-Neptunes and Super-Earths**

**Dr Eric Lopez - University of Edinburgh**

Physics, 4th floor 14:00-15:00

**Tuesday 17 Mar 2015: Theory seminar**

**Marzena Szymanska - UCL**

Physics SCR (7th floor) 15:00-16:00

**Tuesday 17 Mar 2015: Road Network Resilience and Flooding  Multiple Centrality Assessment**

**Enrico Isnenghi -**

Harrison 170 14:00-15:00

**Tuesday 17 Mar 2015: Astrophysics Journal Club: Tom Goffrey**

**Tom Goffrey -**

Physics, 4th floor interaction area 11:15-11:45

**Monday 16 Mar 2015: Ellipsoidal vortices in rotating stratified fluids: beyond the quasi-geostrophic approximation**

**Yue-Kin Tsang - University of Exeter**

Harrison 103 15:00-16:00

**Monday 16 Mar 2015: Topological equivalences for one-parameter bifurcations of maps**

**Henrique Oliveira -**

Harrison 107 15:00-16:00

**Friday 13 Mar 2015: Multimode Fibres: Seeing through chaos**

**Dr. Tomas Cizmar - University of Dundee**

Newman Red 12:00-13:00

**Thursday 12 Mar 2015: SDAC seminar : Asynchronous Networks and Event Driven Dynamics.**

**Prof Mike Field - Imperial College London**

H103 15:00-16:00

**Thursday 12 Mar 2015: Statistical Science Seminar: Reliability of ensemble forecasts revisited -- exact and asymptotic tests**

**Jochen Broecker - University of Reading**

H101 15:00-16:00

**Thursday 12 Mar 2015: Double standard maps**

**Ana Rodrigues - University of Exeter**

Harrison 102 16:00-17:00

**Wednesday 11 Mar 2015: Seminar: The Cosmic Eyelash**

**Dr Alice Mills - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 11 Mar 2015: Urban Water Systems: From Conventional to Smart Paradigm**

**Prof Zoran Kapelan - University of Exeter**

HAR/004 17:15-19:00

**Tuesday 10 Mar 2015: What lies beneath? Surface-subsurface interactions in fluvial and coastal environments**

**Professor Dubravka Pokrajac - University of Aberdeen**

Harrison 170 14:00-15:00

**Tuesday 10 Mar 2015: Theory seminar: Majorana Wires**

**Piet Brouwer - FU Berlin**

Harrison 209 15:00-16:00

**Tuesday 10 Mar 2015: Astrophysics Journal Club: Tom Evans**

**Tom Evans -**

Physics, 4th floor interaction area 09:00-17:00

**Friday 06 Mar 2015: One-dimensional cavity QED: quantum technology with solid-state photonics and artificial atoms**

**Dr. Ruth Oulton - University of Bristol**

Newman Red 12:00-13:00

**Thursday 05 Mar 2015: On the homotopy exact sequence for the algebraic fundamental group**

**Valentina di Proietto - Strasbourg**

Harrison 103 15:00-16:00

**Wednesday 04 Mar 2015: Seminar: Thermodynamics or the dead zone inner edge in protoplanetary disks \*\*\*11am\*\*\***

**Dr Julien Faure - Queen Mary, London**

Physics, 4th floor 11:00-12:00

**Tuesday 03 Mar 2015: Experiences of Hydrological Frequency Analysis in Taiwan  Coping with Extraordinary Extremes and Climate Change**

**Professor KE-SHENG CHENG, - National Taiwan University???**

Harrison 170 14:00-15:00

**Tuesday 03 Mar 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 03 Mar 2015: Astrophysics Journal Club: Matt Willson**

**Matt Willson -**

Physics, 4th floor interaction area 11:15-11:45

**Monday 02 Mar 2015: Seminar: The surfaces of Kuiper belt objects (MON 4pm)**

**Dr Pedro Lacerda - Max Planck Institute for Solar System Research (MPS)**

Physics, 4th floor 16:00-17:00

**Monday 02 Mar 2015: SDAC seminar: Recent results on spiral pinballs and neurophysiology of turbulent transition**

**Prof. Dwight Barkley - Warwick**

H103 15:00-16:00

**Monday 02 Mar 2015: IHR Health Stats Seminar: Randomised Controlled Trials for Depression in Primary Care**

**Professor Tim Peters - Professor of Primary Care Health Services Research and Head of School, University of Bristol**

Lecture Theatre, Veysey Building, University of Exeter Salmon Pool Lane, Exeter EX2 4SG 14:00-15:00

**Friday 27 Feb 2015: New directions in liquid crystals**

**Prof. Helen Gleeson - University of Manchester**

Newman Red 12:00-13:00

**Thursday 26 Feb 2015: Seminar: Non-asymptotic and non-universal turbulence in magnetic fields (THU 11am)**

**Prof Wolf-Christian Mueller - Technical University, Berlin**

Physics, 4th floor 11:00-12:00

**Thursday 26 Feb 2015: Statistical Science Seminar: Bayesian design of experiments via Gaussian process emulation**

**David Woods - University of Southampton**

H101 15:00-16:00

**Thursday 26 Feb 2015: Drinfeld's p-adic symmetric regions and moduli of p-divisible groups**

**Thomas Zink - Bielefeld**

H103 11:00-12:00

**Thursday 26 Feb 2015: Colloquium: Can frequencies be predicted from mean fields?**

**Prof Laurette Tuckermann - PMMH France**

H103 15:00-16:00

**Thursday 26 Feb 2015: Cold extremes in North America vs. mild weather in Europe: the winter 2013/2014 in the context of a warming world**

**Geert Jan van Oldenborgh - KNMI, De Bilt, Netherlands**

Constantine Leventis room, Building One 11:00-12:00

**Thursday 26 Feb 2015: London Mathematical Society 150 Drinks Reception**

**Nigel Byott -**

Harrison Foyer 16:00-17:00

**Thursday 26 Feb 2015: Optimization Techniques for Workforce Scheduling and Routing Problems**

**Professor Dario Landa-Silva - University of Nottingham**

HAR/170 15:00-16:00

**Thursday 26 Feb 2015: West of England Metals and Materials Association event: An insight into sustainable liquid metal processing with Professor Mark Jolly**

**Professor Mark Jolly - Cranfield University -**

Harrison 004 19:30-21:30

**Wednesday 25 Feb 2015: : Institution of Mechanical Engineers event: An enlightening talk on marine renewables with Professor Lars Johanning**

**Professor Lars Johanning -**

Harrison 004 19:00-21:00

**Tuesday 24 Feb 2015: Integrated approach to the urban water cycle: are we there yet?**

**Ana Mijic - Imperial College**

Harrison 170 14:00-15:00

**Tuesday 24 Feb 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Monday 23 Feb 2015: Value-sensitive decision-making mechanisms: beyond speed-accuracy trade-offs**

**Prof. James Marshall - Sheffield University**

Harrison 103 15:00-16:00

**Friday 20 Feb 2015: SLM-based Synthetic Holography in Microscopy**

**Prof. Monika Ritsch-Marte - Medizinische Universität Innsbruck**

Newman Red 12:00-13:00

**Thursday 19 Feb 2015: Statistical Science Seminar: Building a prior distribution for the covariance matrix of a spatial multivariate normal distribution**

**Sarah Heaps - Newcastle University**

H101 15:00-16:00

**Thursday 19 Feb 2015: Solid state hydrogen storage**

**Professor Gavin Walker - Faculty of Engineering, University of Nottingham**

HAR/170 (3D Visualisation Suite) 14:00-15:30

**Thursday 19 Feb 2015: The plectic Taniyama group**

**Chris Blake - University of Cambridge**

H103 15:00-16:00

**Thursday 19 Feb 2015: Teach First - Employer in the Foyer**

**Teach First -**

Harrison Foyer 12:00-17:00

**Wednesday 18 Feb 2015: Seminar: \*\*11am\*\* Dynamics and Magnetic Field Generation in the Gas Giants**

**Dr Lucia Duarte - University of Exeter**

Physics, 4th floor 11:00-12:00

**Tuesday 17 Feb 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 17 Feb 2015: Astrophysics Journal Club: Ben Drummond**

**Ben Drummond -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 13 Feb 2015: On the dynamics of extrasolar planets on inclined orbits**

**Dr. Caroline Terquem - University of Oxford**

Newman Red 12:00-13:00

**Thursday 12 Feb 2015: SDAC seminar : Bioconvection, flowfields, taxes and tubes**

**Martin Bees -**

H103 15:00-16:00

**Thursday 12 Feb 2015: Taiwan Flood Inundation Characteristics and Response Strategies/Groundwater Monitoring Network Plan in Taiwan**

**CHANG Tsang-Jung, Dr. Eng. / Prof. Yih-Chi Tan - National Taiwan University???**

Harrison 170 15:00-16:00

**Wednesday 11 Feb 2015: The Solar Power: Enlightenment of our Energy Future**

**Prof Tapas Mallick - University of Exeter, Environment and Sustainability Institute (ESI)**

Lecture Theatre A, Daphne Du Maurier, Penryn 17:15-19:30

**Tuesday 10 Feb 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 10 Feb 2015: Vodafone - Employer in the Foyer**

**Vodafone -**

Harrison Foyer 12:00-17:00

**Tuesday 10 Feb 2015: Video Interview Workshop**

**Vodafone -**

Harrison 170 10:00-11:00

**Tuesday 10 Feb 2015: Alternative Approaches to Sewerage Planning**

**David Turner - Pell Frsichmann**

Harrison 170 14:00-15:00

**Tuesday 10 Feb 2015: Astrophysics Journal Club: Hannah Wakeford**

**Hannah Wakeford -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 06 Feb 2015: Molecular Electronic Materials and their application to Photovoltaics**

**Prof. Jenny Nelson - Imperial College**

Newman Red 12:00-13:00

**Thursday 05 Feb 2015: On modular representations of p-adic groups**

**Shaun Stevens - University of East Anglia**

H101 15:00-16:00

**Thursday 05 Feb 2015: Atomic-scale insights into 1D and 2D nano-materials**

**Professor Ursel Bangert - Department of Physics and Energy, University of Limerick, Limerick, Ireland**

HAR/170 [3D Visualisation Suite] 14:00-15:30

**Wednesday 04 Feb 2015: Seminar: Internal Gravity Waves in Massive Stars**

**Dr Tami Rogers - University of Newcastle**

Physics, 4th floor 14:00-15:00

**Tuesday 03 Feb 2015: Theory seminar**

TBA - TBA

TBA 15:00-16:00

**Tuesday 03 Feb 2015: Scisys - Employer in the Foyer**

Scisys -

Harrison Foyer 12:00-17:00

**Tuesday 03 Feb 2015: Scisys - Company Presentation**

Scisys -

Harrison 004 18:00-19:00

**Tuesday 03 Feb 2015: Imagine there are no slums: Transforming cities through water and sanitation**

**Dr Priti Parikh - University College London**

Harrison 170 14:00-15:00

**Tuesday 03 Feb 2015: Astrophysics Journal Club: David Amundsen**

**David Amundsen -**

Physics, 4th floor interaction area 11:15-11:45

**Monday 02 Feb 2015: Statistical Science seminar: Cross-validators extreme value threshold selection and uncertainty with application to offshore engineering**

**Paul Northrop - University College London**

H103 15:00-16:00

**Monday 02 Feb 2015: Storms - the weather god's game of dice**

**David Stephenson - University of Exeter**

Exeter Phoenix 20:30-22:00

**Friday 30 Jan 2015: Utilizing Nonlinearities in Mie-scattering Systems**

**Dr. Regine Frank - University of Tubingen**

Newman Red 12:00-13:00

**Thursday 29 Jan 2015: SDAC seminar : Modelling per1-neurons in the SCN**

**Prof. Paul Glendinning - University of Manchester**

H103 15:00-16:00

**Thursday 29 Jan 2015: nPower - Employer in the Foyer**

**nPower -**

Harrison Foyer 12:00-17:00

**Thursday 29 Jan 2015: nPower Challenge - Win an Internship!**

**Rowan Royds - nPower -**

Harrison 004 18:00-19:00

**Wednesday 28 Jan 2015: Seminar: Interactions between planets and their parent disc: the impact on planet survivability and disc structures**

**Dr Farzana Meru - University of Cambridge**

Physics, 4th floor 14:00-15:00

**Tuesday 27 Jan 2015: Thames Tideway tunnel, changing knowledge with time**

**Chris Binnie - Independent Consultant**

Harrison 170 14:00-15:00

**Tuesday 27 Jan 2015: Average ranks of curves**

**Tim Dokchitser - Bristol**

Harrison 101 14:00-15:00

**Tuesday 27 Jan 2015: Theory seminar**

**TBA - TBA**

TBA 15:00-16:00

**Tuesday 27 Jan 2015: Astrophysics Journal Club: Darryl Sergison**

**Darryl Sergison -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 23 Jan 2015: Magnonics: Trends and Challenges**

**Prof. Burkard Hillebrands - Technische Universitat Kaiserslautern**

Newman Red 12:00-13:00

**Thursday 22 Jan 2015: Statistical Science Seminar: Bayesian analysis of finite population sampling in multivariate co-exchangeable structures with separable covariance matrices**

**Simon Shaw - University of Bath**

H101 15:00-16:00

**Wednesday 21 Jan 2015: Bayesian Hierarchical Mixture Modelling**

**Professor Petros Dellaportas - Athens University of Economics and Business, and University College London**

RL206, Plymouth University 14:00-16:00

**Tuesday 20 Jan 2015: Theory seminar: Patterned Magnetic Materials and Chiral Spin Textures**

**Robert Stamps - Glasgow University**

Peter Chalk 2.6 15:00-16:00

**Tuesday 20 Jan 2015: Smart Permitting: A Cost-effective Regulation Framework for Water Quality Risk Management**

**Fanlin Meng - University of Exeter**

Harrison 170 14:00-15:00

**Tuesday 20 Jan 2015: Smart Permitting: A Cost-effective Regulation Framework for Water Quality Risk Management**

**Fanlin Meng - University of Exeter**

Harrison 170 14:00-15:00

**Tuesday 20 Jan 2015: Astrophysics Journal Club: Moncho Rey Raposo**

**Moncho Rey Raposo -**

Physics, 4th floor interaction area 11:15-11:45

**Monday 19 Jan 2015: The theory and applications of topological techniques to open magnetic flux ropes**

**Chris Prior - University of Durham**

Harrison 103 15:00-16:00

**Thursday 15 Jan 2015: SDAC seminar : Localised patterns and cellular level morphogenesis**

**Prof Alan Champneys - Bristol**

H103 15:00-16:00

**Wednesday 14 Jan 2015: Seminar: Simulating Observational Star Formation**  
**\*\*4pm\*\***

**Dr Paul Clark - Cardiff University**

Physics, 4th floor 16:00-17:00

**Tuesday 13 Jan 2015: Theory seminar: Parity-Time symmetry with magnetic metamaterials**

**Jensen Li - Birmingham University**

Harrison 209 15:00-16:00

**Tuesday 13 Jan 2015: At home with water**

**Duncan McCombie -**

Harrison 170 14:00-15:00

**Tuesday 13 Jan 2015: Astrophysics Journal Club**

**Damian Rumble -**

Physics, 4th floor interaction area 11:15-11:45

**Monday 12 Jan 2015: Dynamics and Thermodynamics effects on Cloud Feedbacks**

**Paolo Ceppi - University of Washington**

Harrison 103 15:00-16:00

**Thursday 08 Jan 2015: Interactions between near-inertial waves and mesoscale motion in the ocean**

**Jacques Vanneste - University of Edinburgh**

Harrison 103 15:00-16:00

**Thursday 08 Jan 2015: Statistical Science Seminar**

**Ian Vernon - Durham University**

H101 15:00-16:00

**Tuesday 06 Jan 2015: TBA**

**TBA - TBA**

TBA 15:00-16:00

**Wednesday 17 Dec 2014: Seminar: Convective overshooting in stellar interiors**

**Robert Andrassy - MPA, Garching**

Physics, 4th floor 14:00-15:00

**Thursday 11 Dec 2014: Statistical Science seminar: Analysis and Forecasting of Locally Stationary Time Series**

**Prof Guy Nason - University of Bristol**

H101 14:00-15:00

**Wednesday 10 Dec 2014: Seminar: Filament formation in MHD turbulence**

**Dr Eva Ntormousi - CEA, Saclay (Paris)**

Physics, 4th floor 14:00-15:00

**Tuesday 09 Dec 2014: Astrophysics Journal club: Jon Rees**

**Jon Rees -**

Physics, 4th floor interaction area 11:15-11:45

**Tuesday 09 Dec 2014: Potential of citizen science data and methods for flood risk modelling**

**Barry Evans - Aberystwyth University**

Harrison 103 13:00-14:00

**Monday 08 Dec 2014: Recent advances in sub-seasonal predictions**

**Gilbert Brunet - Met Office/ Environment Canada**

Harrison 103 15:00-16:00

**Monday 08 Dec 2014: Eggbuckland Community College**

**Jenny Hatchell -**

Eggbuckland Community College, Plymouth 15:00-16:30

**Friday 05 Dec 2014: Modern Quantum Technology with trapped Ions**

**Prof. Ferdinand Schmidt-Kaler - Johannes Gutenberg University of Mainz**

Newman Red 12:00-13:00

**Wednesday 03 Dec 2014: Seminar: CO snowline migration through planet-forming regions**

**Dr Olja Panic - University of Cambridge**

Physics, 4th floor 14:00-15:00

**Wednesday 03 Dec 2014: Science and Simulation: Whatever happened to Conjecture and Refutation?**

**Prof. Geoff Vallis - University of Exeter**

Harrison 004 17:15-19:30

**Tuesday 02 Dec 2014: Astrophysics Journal club: Tom Wilson**

**Tom Wilson -**

Physics, 4th floor interaction area 11:15-11:45

**Tuesday 02 Dec 2014: Multi-objective optimisation of wastewater treatment plant control to reduce greenhouse gas emissions**

**Christine Sweetapple -**

Harrison 103 13:00-14:00

**Monday 01 Dec 2014: Statistical Science seminar**

**Prof. William Henley - University of Exeter Medical School**

Harrison 103 15:00-16:00

**Monday 01 Dec 2014: App'ED**

**Prof. Mike O'Neill - University College Dublin**

Harrison 170 15:00-16:00

**Monday 01 Dec 2014: AG Dynamics seminar: Relative Lyapunov centre bifurcation**

**Claudia Wulff - University of Surrey**

St John's room, Kay Building 16:00-17:00

**Friday 28 Nov 2014: Shaping light for imaging and manipulation**

**Prof. Kishan Dholakia, FRSE, OSA Fellow, SPIE Fellow - University of St Andrews**

Newman Red 12:00-13:00

**Friday 28 Nov 2014: Westgate Science Club**

**Elizabeth Matthews, Maria Weber and David Sing -**

**Westgate Science Club 18:00-20:00**

**Thursday 27 Nov 2014: Surface modification of carbon materials and their applications**

**Professor Hyacinthe Randriamahazaka - Chemistry Department, University Paris Diderot, Sorbonne Paris Cite**

**HAR/170 (3D Visualisation Suite) 14:00-15:00**

**Thursday 27 Nov 2014: Quadratic Q-curves and units**

**Neil Dummigan - Sheffield**

**Harrison 101 15:00-16:00**

**Thursday 27 Nov 2014: Towards a complex systems modelling framework for public health policy appraisal**

**Dr Robin Purshouse - University of Sheffield**

**Harrison 103 15:00-16:00**

**Wednesday 26 Nov 2014: Seminar: Asteroseismology: Measuring stellar rotation in Sun-like stars**

**Dr Guy Davies - University of Birmingham**

**Physics, 4th floor 14:00-15:00**

**Tuesday 25 Nov 2014: Astrophysics Journal club: Felix Sainsbury-Martinez**

**Felix Sainsbury-Martinez -**

**Physics, 4th floor interaction area 11:15-11:45**

**Tuesday 25 Nov 2014: Innovation in the Water Industry and how its helping prevent customer flooding**

**Rachel Cunningham - Thames Water**

Harrison 103 13:00-14:00

**Monday 24 Nov 2014: SDAC seminar**

**Ruth Baker - University of Oxford**

H103 15:00-16:00

**Friday 21 Nov 2014: Astrophysics Journal club: Ben Lewis**

**Ben Lewis -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 21 Nov 2014: The acoustic bubble**

**Prof. Timothy G. Leighton FEng FRS - University of Southampton**

Newman Red 12:00-13:00

**Thursday 20 Nov 2014: Statistical Science Seminar: Multivariate extremes value methods for univariate and spatial flood risk assessment**

**Prof. Jonathan Tawn - University of Lancaster**

H101 15:00-16:00

**Wednesday 19 Nov 2014: Seminar: Exoplanet Characterisation from Space: from Gas Giants to Super Earths**

**Dr Brice-Olivier Demory - University of Cambridge**

Physics, 4th floor 14:00-15:00

**Wednesday 19 Nov 2014: Minerals maketh man**

**Prof. Kip Jeffrey - University of Exeter**

Peter Lanyon Lecture 4 17:15-19:30

**Tuesday 18 Nov 2014: Green or grey? Retrofitting urban drainage infrastructure**

**Dr Sarah Bell - University College London**

Harrison 103 13:00-14:00

**Monday 17 Nov 2014: The dynamical influence of eddy fluxes**

**Dr James Maddison - University of Edinburgh**

Harrison 103 15:00-16:00

**Friday 14 Nov 2014: Astrophysics Journal club: Georgios Pantolmos**

**Georgios Pantolmos -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 14 Nov 2014: Microwave magnonics at millikelvin**

**Dr. Alexy Karenowska - University of Oxford**

Newman Red 12:00-13:00

**Thursday 13 Nov 2014: Statistical Science Seminar: Nonparametric and quantile regression approaches for estimating spatiotemporal climate trends**

**Richard Chandler - UCL**

H101 15:00-17:00

**Thursday 13 Nov 2014: Rapoport-Zink spaces of Hodge type and application to Shimura varieties**

**Wansu Kim - University of Cambridge**

H103 15:00-16:00

**Wednesday 12 Nov 2014: Seminar: The dynamics and star-forming potential of the massive Galactic Centre cloud G0.253+0.016**

**Dr Katharine Johnston - University of Leeds**

Physics, 4th floor 14:00-15:00

**Wednesday 12 Nov 2014: Structures behaving badly?**

**Prof. James Brownjohn - University of Exeter**

Harrison 004 17:15-19:30

**Tuesday 11 Nov 2014: Public Private Partnership (PPP)**

**Giles Booth - Hyder Consulting**

Harrison 103 13:00-14:00

**Friday 07 Nov 2014: Astrophysics Journal club: Chris Mowat**

**Chris Mowat -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 07 Nov 2014: More is different: the effect of biomolecules on the dynamics of hydration water**

**Prof. Daniele Fioretto - University of Perugia**

Newman Red 12:00-13:00

**Thursday 06 Nov 2014: SDAC seminar : Ecology and Environmental Variation in Microbial Communities**

**Prof Isaac Klapper - Temple University**

Harrison 203 14:00-15:00

**Thursday 06 Nov 2014: Statistical Science Seminar: Big, complex and linked environmental data - meeting the statistical challenges**

**Professor Marian Scott - University of Glasgow**

H101 15:00-16:00

**Wednesday 05 Nov 2014: Seminar: \*11am\* Investigating the inner regions of circumstellar discs and the DIANA project**

**Dr John Ilee - University of St Andrews**

Physics, 4th floor 11:00-12:00

**Tuesday 04 Nov 2014: Water Transport through the Ages**

**Ian Crossley - Hazen and Sawyer**

Harrison 103 13:00-14:00

**Friday 31 Oct 2014: Astrophysics Journal club: Michael Jones**

**Michael Jones -**

Physics, 4th floor interaction area 11:15-11:45

**Friday 31 Oct 2014: Archaeology of Exo-Terrestrial Planetary Systems**

**Dr. Jay Farihi - University College London**

Newman Red 12:00-13:00

**Thursday 30 Oct 2014: Statistical Science Seminar: Parameter inference for a stochastic kinetic model of expanded polyglutamine proteins**

**Prof. Richard Boys - Newcastle University**

H101 15:00-16:00

**Thursday 30 Oct 2014: Grain boundaries and fundamental thermal stability limits in magnetic medias**

**Dr Lalita Saharan - Functional Materials Group, Engineering, CEMPS, University of Exeter**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 30 Oct 2014: Hopf orders in elementary abelian group rings**

**G Griffith Elder - University of Nebraska at Omaha**

Harrison 103 15:00-16:00

**Thursday 30 Oct 2014: Direct Sum Decompositions of Modules over Local Rings**

**Roger Wiegand - University of Nebraska at Lincoln**

Harrison 103 16:30-17:30

**Wednesday 29 Oct 2014: Seminar: Accretion discs as regulators of stellar angular momentum evolution during the pre-main sequence**

**Claire Davies - University of St Andrews**

Physics, 4th floor 14:00-15:00

**Tuesday 28 Oct 2014: Holding Water**

**Minni Jain - Earthlinks UK**

Harrison 103 13:00-14:00

**Friday 24 Oct 2014: Astrophysics Journal club: Lewis Ireland**

Lewis Ireland -

Physics, 4th floor interaction area 11:15-11:45

**Friday 24 Oct 2014: Adaptive Quantum Optics**

Prof. Pepijn W. H. Pinkse - University of Twente

Newman Red 12:00-13:00

**Tuesday 21 Oct 2014: The "Green" Energy Myth: How the System of Systems Perspective Can Change the Energy Sustainability Definition**

Dr Kaveh Madani - Imperial College

Harrison 103 13:00-14:00

**Monday 20 Oct 2014: Statistical Science: Quantifying Epistemic Uncertainty in ODE and PDE Solutions using Gaussian Measures and Feynman-Kac Path Integrals**

Prof. Mark Girolami - University of Warwick

Harrison 103 15:00-16:00

**Friday 17 Oct 2014: Astrophysics Journal club: Elizabeth Matthews**

Elizabeth Matthews -

Physics, 4th floor interaction area 11:15-11:45

**Friday 17 Oct 2014: Nanomechanics and interfaces of biological systems with dynamic AFM: from single membrane proteins to live cells.**

Dr. Sonia Antoranz Contera - University of Oxford

Newman Red 12:30-13:30

**Thursday 16 Oct 2014: Nanoplatfroms based on Cyclodextrins as Multifunctional Systems for Biomedical Application**

Professor Antonino Mazzaglia - National Council of Research -- Institute of Nanostructured Materials (ISMN) UOS Palermo c/o Dept. of Chemical

**Sciences of the University of Messina, Viale F. Stagno D'Alcontres 31 98166,  
Messina, Italy**

**HAR/170 (3D Visualisation Suite) 14:00-15:00**

**Thursday 16 Oct 2014: Rings for which indecomposables are simple**

**Peter Vamos - Exeter (Emeritus)**

**Harrison 101 15:00-16:00**

**Wednesday 15 Oct 2014: The Dynamic Evolution of Active-Region-Scale  
Magnetic Flux tubes in the Turbulent Solar Convective Envelope**

**Dr Maria Weber - University of Exeter**

**Physics, 4th floor 11:00-12:00**

**Tuesday 14 Oct 2014: Innovations in the Water industry**

**Dominic Lovell - Hyder Consulting**

**Harrison 103 13:00-14:00**

**Monday 13 Oct 2014: Regional Reanalysis at the Met Office (POSTPONED)**

**Prof Dale Barker - Met Office**

**Harrison 103 15:00-16:00**

**Monday 13 Oct 2014: Theories Destroy Facts (as Programs Execute)**

**Dr Colin Johnson -**

**Harrison 170 16:00-16:00**

**Friday 10 Oct 2014: Mesoscopic quantumness: from quantum technologies to  
thermodynamics and back**

**Prof. Mauro Paternostro - Queen's University Belfast**

**Newman Red 12:00-13:00**

**Thursday 09 Oct 2014: Statistical Science Seminar**

**Diana Cole -**

**H101 15:00-16:00**

**Thursday 09 Oct 2014: MAGIC launch: Noether's Theorem 100 years on**

**Prof. Elizabeth Mansfield - Univ. of Kent**

Harrison 103 15:00-16:00

**Wednesday 08 Oct 2014: 2D models of convection-driven mean flows**

**Dr Laura Currie - University of Exeter**

Physics, 4th floor 11:00-12:00

**Tuesday 07 Oct 2014: Water-Energy-Food Nexus - Global conflicts and possible solutions**

**Professor Gustaf Olsson - Lund University**

Harrison 103 13:00-14:00

**Friday 03 Oct 2014: Developing the Summary Hospital Mortality Index**

**Professor Mike Campbell - School of Health and Related Research (ScHARR), University of Sheffield**

Lecture Theatre, Veysey Building, Salmon Pool Lane, Exeter EX2 4SG 13:30-14:30

**Friday 03 Oct 2014: Synthetic optical materials for linear and nonlinear photonics applications**

**Dr. Andrea Di Falco - University of St Andrews**

Newman Red 12:00-13:00

**Thursday 02 Oct 2014: Grothendieck-Messing deformation theory for Hyperkaehler varieties**

**Andreas Langer - University of Exeter**

Harrison 101 15:00-16:00

**Wednesday 01 Oct 2014: Semi-synthetic secondary eclipse lightcurves of hot Jupiter exoplanets.**

**Deepak Mahtani - University of Keele**

Physics, 4th floor 14:00-15:00

**Tuesday 30 Sep 2014: Cliff and Shore Erosion Under Accelerating Sea Level Rise**

**Dr Mike Walkden -**

**Harrison 103 13:00-14:00**

**Monday 29 Sep 2014: Hyper-heuristics: Improving the Heuristic Search Process via Learning**

**Dr. Ender Ozcan - School of Computer Science, University of Nottingham**

**Harrison 103 15:00-16:00**

**Thursday 25 Sep 2014: AG Dynamics seminar: Rare events and extremal indices via spectral perturbation**

**Gerhard Keller - University of Erlangen**

**Harrison 209 16:00-17:00**

**Wednesday 24 Sep 2014: CliMathNet e-seminar: Transforming weather into changing climate: Mapping the dynamics of the full distribution of temperature and precipitation**

**Sandra Chapman - University of Warwick**

**Harrison 209 16:00-17:00**

**Tuesday 23 Sep 2014: Water Efficiency; How Much is Enough?**

**Tom Andrewartha - Essex & Suffolk Water**

**Harrison 103 13:00-14:00**

**Monday 22 Sep 2014: Progress towards the geophysical regime in numerical models of the geodynamo (Taylor and Francis sponsored)**

**Prof Andy Jackson - ETH**

**Harrison 103 15:00-16:00**

**Wednesday 17 Sep 2014: Photochemistry of hot exoplanets: modelling and experiments**

**Olivia Venot - Katholieke Universiteit Leuven, Instituut voor Sterrenkunde**

Physics, 4th floor 14:00-15:00

**Thursday 11 Sep 2014: Hall effect in Neutron Star Crusts (Taylor and Francis sponsored)**

**Konstantinos Gourgouliatos - McGill University**

H 170 15:00-16:00

**Wednesday 10 Sep 2014: Advances on an asymptotic parallel-in-time method for highly oscillatory PDEs**

**Terry Haut - Los Alamos National Laboratory**

H 170 14:00-15:00

**Wednesday 30 Jul 2014: Florian Debras and Pierre Mourier**

**Florian Debras and Pierre Mourier - University of Exeter (summer internship)**

Physics, 4th floor 14:00-15:00

**Thursday 24 Jul 2014: Multi-objective optimisation using genetic algorithms to integrate pumping operations of alternative water supplies**

**Lisa Blinco -**

Harrison 170 12:00-13:00

**Monday 21 Jul 2014: Interactions of forward- and backward-time isochrons**

**Peter Langfield -**

Harrison 101 15:00-16:00

**Wednesday 16 Jul 2014: Extrasolar Storms: Mapping Cloud Cover and Atmospheric Dynamics in Brown Dwarfs and Exoplanets**

**Prof Daniel Apai - University of Arizona**

Physics, 4th floor 14:00-15:00

**Thursday 10 Jul 2014: 3D Dynamo Models of the Solar Cycle (THU)**

**Dr Mark Miesch - High Altitude Observatory, National Center for Atmospheric Research**

Physics, 4th floor 14:00-15:00

**Thursday 03 Jul 2014: CliMathNet seminar: Thermodynamic limits of the Earth system**

**Alex Kleidon - Max-Planck-Institut fuer Biogeochemie**

H209 15:00-15:30

**Thursday 03 Jul 2014: CliMathNet seminar: Thermodynamic variational principles: a unified framework.**

**Roderick Dewar - Australian National University**

H209 15:30-16:00

**Wednesday 25 Jun 2014: New Staff Seminar**

**Asif Tahir, Xiaohong Li, Senthilarasu Sundaram -**

**Richard Trevithick Room, ESI, Penryn Campus 13:00-14:00**

**Tuesday 24 Jun 2014: Development of a closed budget global nitrogen cycle model**

**Dr Diego Gomez -**

**Harrison 170 14:00-15:00**

**Monday 23 Jun 2014: BioDynamics: emergent dynamics of complex biological networks**

**Jamie Walker, Marc Goodfellow (organisers) -**

**The Innovation Centre, Streatham Campus, University of Exeter 09:00-17:00**

**Monday 16 Jun 2014: Making Galaxies in a Cosmological Context**

**Dr Greg Stinson - MPIA, Germany**

**Physics, 4th floor 14:00-15:00**

**Wednesday 11 Jun 2014: Inaugural Lecture - traffic modelling and Quality-of-Service analysis in high-performance multimedia networks**

**Professor Geyong Min - Chair in High Performance Computing and Networking**

Harrison LT 004 17:15-19:00

**Monday 09 Jun 2014: AG Dynamics seminar: Network Models of Visual Illusions and Rivalry**

**Prof Ian Stewart - University of Warwick**

Harrison 209 16:00-17:00

**Friday 06 Jun 2014: Colloquium: Topological states in condensed matter and optical lattices**

**Prof. Cristiane de Morais Smith - Utrecht University, Netherlands**

Newman Red 12:00-13:00

**Thursday 05 Jun 2014: Microwave-to-terahertz sensors: a challenge for graphene and beyond**

**Professor Norbert Klein, Chair in Electromagnetic Materials - Department of Materials, Imperial College London**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 05 Jun 2014: CliMathNet seminar: Statistical emulation as a model-coupling tool for integrated assessments of climate change.**

**Neil Edwards - Open University**

Harrison 209 16:00-17:00

**Friday 30 May 2014: Colloquium: Biophotonics with a twist: the chiral Gyroid photonic crystal in butterfly wing-scales**

**Prof. Gerd Schroeder-Turk - University of Erlangen, Germany**

Newman Red 12:00-13:00

**Thursday 29 May 2014: \*\*\* CANCELLED \*\*\***

**Tim Dokchitser - University of Bristol**

Harrison 04 15:00-16:00

**Wednesday 28 May 2014: Inaugural Lecture: The Jurassic Earth: natural resource and environmental change**

**Professor Stephen Hesselbo - Professor of Geology, Camborne School of Mines**

The Exchange Lecture Theatre, Penryn Campus 17:15-19:00

**Friday 23 May 2014: UK Magneto-hydrodynamics conference**

Various -

Harrison 004 09:00-17:00

**Friday 23 May 2014: Colloquium: Atomic collapse: relativistic high-energy physics in graphene**

**Dr. Andrey Shytov - University of Exeter**

Newman Red 12:00-13:00

**Thursday 22 May 2014: IoP SW Channel Islands schools tour**

Jenny Hatchell -

Jersey and Guernsey schools 09:00-22:00

**Thursday 22 May 2014: UK Magneto-hydrodynamics conference**

various -

Harrison 004 09:00-17:00

**Thursday 22 May 2014: Building Porous Structures**

**Professor Eduardo Saiz Gutierrez - Imperial College, Faculty of Engineering, Department of Materials**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 22 May 2014: An Overview of Geometric Algebra and an Application in Optimization**

**Juan Pablo Serrano Rubio - enter for Research in Mathematics (CIMAT), Mexico**

Harrison 170 15:00-16:00

**Wednesday 21 May 2014: Under What Conditions are Stars Rapidly Rotating?**

**Prof Robert Deupree - St Mary's University, Canada**

Physics, 4th floor 14:00-15:00

**Tuesday 20 May 2014: Simulating the Generation of MHD Waves in the Low-Solar Atmosphere (TUE)**

**Stuart Mumford - University of Sheffield**

Physics, 4th floor 14:00-15:00

**Friday 16 May 2014: Colloquium: Intrinsic magnetism in graphene**

**Prof. Irina Grigorieva - University of Manchester**

Newman Red 12:00-13:00

**Thursday 15 May 2014: The integrality of modular symbols and Kato's zeta elements**

**Christian Wuthrich - University of Nottingham**

Harrison 04 15:00-16:00

**Thursday 15 May 2014: Low Voltage Field Emission Scanning Electron Microscopy: Design and Applications**

**Trevor Groves - Agilent Technologies**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 14 May 2014: CANCELLED - The stability of isothermal dense cores - CANCELLED**

**Dr Eva Ntormousi - CEA, Saclay (Paris)**

Physics, 4th floor 14:00-15:00

**Wednesday 14 May 2014: Inaugural Lecture - Vibration serviceability: from obscurity to the infamous Millennium Bridge case and beyond**

**Professor Aleksandar Pavic - Professor of Vibration Engineering and Associate Dean for Research and Knowledge Transfer, CEMPS**

Harrison LT 004 17:15-19:00

**Monday 12 May 2014: The (un)reliability of contour curves**

**Finn Lindgren - University of Bath**

Harrison 004 15:00-16:00

**Friday 09 May 2014: Colloquium: Arrested Development (of Emulsions)**

**Prof. Tim Atherton - Tufts University, Boston USA**

Newman Red 12:00-13:00

**Thursday 08 May 2014: Coupling electron spin and light spin: the surprising results of doing cavity QED with artificial atoms**

**Dr Ruth Oulton - Departments of Physics and Electrical Engineering,  
University of Bristol**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 08 May 2014: Artificial Immune Systems - An Interdisciplinary Approach to Problem Solving**

**Dr. Christine Zarges - School of Computer Science University of Birmingham**

Harrison 004 15:00-16:00

**Thursday 08 May 2014: Adaptive Sticky Generalized Metropolis**

**Fabrizio Leisen - University of Kent**

Plymouth University, Rolle 305 14:00-15:00

**Wednesday 07 May 2014: Massive Star Formation in Cygnus-X (11:30AM)**

**Dr Ana Duarte Cabral - University of Exeter**

Physics, 4th floor 11:30-12:30

**Wednesday 07 May 2014: Copula-based Multivariate Regression models with gamlss Marginals**

**Mario Cortina Borja - University College London**

Plymouth University, PSQ C2 14:00-15:00

**Tuesday 06 May 2014: Dynamics seminar**

**Claire Postlethwaite - University of Auckland**

Harrison 209 15:00-16:00

**Wednesday 30 Apr 2014: Tools and applications for integrated water management: application case Slovenia**

**Dr Primoz Banovec - University of Ljubljana**

Harrison room 170 11:00-12:00

**Tuesday 29 Apr 2014: CliMathNet e-seminar: Hamilton's Principle for the GFD Model Hierarchy**

**Prof Darryl Holm - Imperial College London**

Harrison 209 15:00-16:00

**Thursday 24 Apr 2014: Two-way coupling between Barents Sea ice and anomalous Eurasian winters**

**Nils Gunnar Kvamstø, Sorokina S. A., Li C., Wettstein J. J. - Geophysical Institute, Bergen**

H170 15:00-16:00

**Wednesday 09 Apr 2014: A review of poverty mapping procedures**

**Isabel Molina Peralta - Universidad Carlos III de Madrid**

Plymouth University, Rolle006 14:00-15:00

**Tuesday 08 Apr 2014: Planetary atmospheric circulation regimes in simplified GCMs---Building up the big picture (Taylor and Francis Sponsored).**

**Yixiong Wang - University of Oxford**

H 170 14:00-15:00

**Friday 28 Mar 2014: What is a pilot study and how do I do a good one?**

**Professor Sandra Eldridge - Centre for Primary Care and Public Health, QMUL**

Lecture Theatre, Veysey Building, Salmon Pool Lane Exeter 12:30-13:30

**Thursday 27 Mar 2014: Towards a decision-theoretic warning system for severe weather**

**David Stephenson and Theo Economou -**

Harrison 101 15:00-16:00

**Wednesday 26 Mar 2014: Inaugural Lecture - mining into the next century: environmental advances, opportunities and challenges**

**Professor Bernd Lottermoser - Chair in Environmental Geochemistry, Environment and Sustainability Institute (ESI), University of Exeter, Penryn Campus**

The Exchange Lecture Theatre, Penryn Campus (and via video-conference Harrison LT 004, Streatham) 17:15-19:00

**Wednesday 26 Mar 2014: AG Dynamics seminar: Density of Axiom A in Arnol'd's standard family**

**Lasse Rempe-Gillen - University of Liverpool**

St Johns room, Kay Building 14:00-15:00

**Tuesday 25 Mar 2014: A Modelling Approach for the Identification and Mitigation of Pluvial Urban Flooding**

**Professor Bryan Ellis - Middlesex University**

Harrison room 170 14:00-15:00

**Tuesday 25 Mar 2014: CliMathNet e-seminar: Accounting for model error due to unresolved scales within ensemble Kalman filtering**

**Lewis Mitchell - University of Vermont**

Harrison 209 15:00-16:00

**Monday 24 Mar 2014: Stability and Predictability in the Climate**

**Peter Ditlevsen - Niels Bohr Institutet**

H101 15:00-16:00

**Friday 21 Mar 2014: Colloquium: Geometrical and wave optics of absolute optical instruments**

**Prof. Mgr. Tomas Tyc - Masaryk University, Czech Republic**

Newman Red 12:00-13:00

**Thursday 20 Mar 2014: Elliptic curves and modular forms of weight one**

**Alan Lauder - University of Oxford**

Harrison 101 15:00-16:00

**Thursday 20 Mar 2014: The onset of thermal convection in a rectangular container**

**Prof Funakoshi - Kyoto University**

Harrison 103 15:00-16:00

**Wednesday 19 Mar 2014: Hot-Jupiter GCM intercomparison study: lessons learned (12PM)**

**Inna Polichtchouk - Queen Mary, London**

Physics, 4th floor 12:00-13:00

**Wednesday 19 Mar 2014: Inaugural Lecture - stratospheric influence on weather and climate: from snow in London to droughts in Australia**

**Professor Mark P Baldwin - Mathematics and Computer Science, University of Exeter**

Harrison LT 004 (and via video conference Peter Lanyon LT2, Penryn) 17:15-19:00

**Tuesday 18 Mar 2014: Water efficiency in buildings: Where do we go from here**

**Dr Kemi Adeyeye - Brighton University**

Harrison room 170 14:00-15:00

**Monday 17 Mar 2014: Representing spatial change**

**Mike Worboys, University of Greenwich - University of Greenwich**

Harrison 101 15:00-16:00

**Friday 14 Mar 2014: Colloquium: Shaping light with metamaterials**

**Prof. Yuri Kivshar - Nonlinear Physics Center, Australian National University, Canberra, Australia**

Newman RED 12:00-13:00

**Thursday 13 Mar 2014: Supercapattery: An energy storage prospect from nanotechnology**

**Professor George Zheng Chen - Department of Chemical and Environmental Engineering, and Energy and Sustainability Research Division, Faculty of Engineering, University of Nottingham**

**HAR/170 (3D Visualisation Suite) 14:00-15:00**

**Thursday 13 Mar 2014: Applications of hybrid p-adic group rings and hybrid Iwasawa algebras to arithmetic conjectures**

**Henri Johnston - Exeter**

**Harrison 103 15:00-16:00**

**Thursday 13 Mar 2014: Bayesian approaches to inverse problems: model selection and combination**

**Prof Andrew Webb - DSTL Porton Down**

**Harrison 101 15:00-16:00**

**Wednesday 12 Mar 2014: MCMC strategies for the analysis of discrete graphical models of marginal independence**

**Claudia Tarantola - University of Pavia**

**Plymouth University, BGB018 14:00-15:00**

**Tuesday 11 Mar 2014: Cost Effective Optimization of the Urban Wastewater System in Eindhoven by Integrated Modelling**

**Lorenzo Benedetti - Waterways**

**Harrison room 170 14:00-15:00**

**Tuesday 11 Mar 2014: Log-mean linear regression models for assessing the effect of HIV-infection on multimorbidity in case-control study**

**Monia Lupparelli - University of Bologna**

**Plymouth University, Roland Levisky 207 15:00-16:00**

**Monday 10 Mar 2014: A Critical View of Flare Energetics (Taylor and Francis sponsored)**

**Hugh Hudson - University of Glasgow/ Berkeley**

Harrison 101 15:00-16:00

**Friday 07 Mar 2014: Confocal Brillouin and Raman microscopy for high-resolution mechanochemical mapping of biological tissues**

**Dr. Francesca Palombo - University of Exeter**

Newman B 12:00-13:00

**Friday 07 Mar 2014: Colloquium: Confocal Brillouin and Raman microscopy for high-resolution mechanochemical mapping of biological tissues**

**Dr Francesca Palombo - University of Exeter**

Newman RED 12:00-13:00

**Thursday 06 Mar 2014: Ecological modelling of cancer evolution**

**Dr Yinyin Yuan - Institute of Cancer Research, London**

Harrison 103 15:00-16:00

**Thursday 06 Mar 2014: Where do Galois representations come from?**

**Kevin Buzzard - Imperial College**

Harrison 101 15:00-16:00

**Wednesday 05 Mar 2014: Three years of ExoMol: New molecular line lists for exoplanets and other atmospheres (3PM)**

**Dr Sergey Yurchenko - UCL**

Physics, 4th floor 15:00-16:00

**Wednesday 05 Mar 2014: Baroclinic circulation regimes and heat transport-comparing laboratory and atmosphere-ocean models (Taylor and Francis sponsored)**

**Prof Peter Read - University of Oxford**

Harrison 170 12:00-13:00

**Wednesday 05 Mar 2014: A Bayesian approach to Lattice Quantum Chromodynamics**

**Christine Davies - University of Glasgow**

BGB404, Plymouth University 17:00-18:00

**Tuesday 04 Mar 2014: Towards Accurate Coastal Modelling**

**Jun Zang - Bath University**

Harrison room 170 14:00-15:00

**Friday 28 Feb 2014: Colloquium: Dark matter searchers with Josephson junctions**

**Prof. Christian Beck - Queen Mary University of London**

Newman Red 12:00-13:00

**Friday 28 Feb 2014: Schools talk at Doddiscombsleigh Primary**

**Tim Harries -**

Doddiscombsleigh Primary 13:00-15:00

**Thursday 27 Feb 2014: Resistive switching in silicon oxides - physics and applications**

**Professor Tony Kenyon - Photonic Materials Laboratory, UCL**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 27 Feb 2014: Realizability problem for random particle systems**

**Tobias Kuna - University of Reading**

Harrison 103 15:00-16:00

**Thursday 27 Feb 2014: Inhomogeneous multiplicative Littlewood conjecture and logarithmic savings**

**Pankaj Vishe - York**

Harrison 103 13:00-14:00

**Wednesday 26 Feb 2014: Dancing in the Dark: Kernel Phase Interferometry of Ultracool Dwarfs**

**Ben Pope - University of Oxford**

Physics, 4th floor 14:00-15:00

**Wednesday 26 Feb 2014: Inaugural Lecture - the challenge of exascale computing for weather and climate systems: the role of mathematics**

**Professor Beth Wingate - Mathematics, University of Exeter**

Harrison LT 004 (and via video conference Peter Lanyon LT3, Penryn) 17:15-19:00

**Tuesday 25 Feb 2014: Quantifying Carbon Storage in Cities**

**Zoe Davies - University of Kent**

Harrison room 170 14:00-15:00

**Tuesday 25 Feb 2014: Probabilistic Weather Forecasting: Recent Developments in Bayesian Model Averaging**

**Professor Adrian Raftery - University of Washington**

Matrix Lecture Theatre, Business School Building: One 14:00-15:00

**Friday 21 Feb 2014: Colloquium: Knotting and Tangling Nodes of Light**

**Prof. Mark Dennis - University of Bristol**

Newman B 12:00-13:00

**Thursday 20 Feb 2014: Visualising Many-objective Populations**

**Dr David Walker - Computer Science, University of Exeter**

Harrison 103 15:00-16:00

**Thursday 20 Feb 2014: Euler systems for Rankin--Selberg convolutions of modular forms**

**Sarah Zerbes - UCL**

Harrison 203 15:00-16:00

**Thursday 20 Feb 2014: Visualising Many-objective Populations**

**Dr David Walker - Computer Science, University of Exeter**

Harrison 103, University of Exeter 15:00-16:00

**Wednesday 19 Feb 2014: Exoplanets and their birth environments**

**Prof Melvyn Davies - Lund University, Sweden**

Physics, 4th floor 14:00-15:00

**Wednesday 19 Feb 2014: Building Multivariate Copulas Using Pair Copula Constructions**

**Professor Claudia Czado - TUM Munich**

Plymouth University, Roland Levisky 209 14:00-15:00

**Tuesday 18 Feb 2014: Strategic Flood Resilience Planning for PR14**

**James Webber - CH2M**

Harrison room 170 14:00-15:00

**Monday 17 Feb 2014: From Earth to Titan and Beyond (MON 10:30am)**

**Prof Jonathan Mitchell - University of California, Los Angeles**

Physics, 4th floor 10:30-11:30

**Friday 14 Feb 2014: Colloquium: When waves go rogue-modelling extreme wave amplitudes**

**Prof. Rudolf Roemer - University of Warwick**

Newman B 12:00-13:00

**Thursday 13 Feb 2014: [Postponed due to weather disruptions!] Microwave-to-terahertz sensors: a challenge for graphene and beyond**

**Professor Norbert Klein - Department of Materials, Imperial College London**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Tuesday 11 Feb 2014: iWIDGET: Smart water meters and ICT technologies for efficient water use**

**Dr Lydia Vamvakieridou-Lyroudia - University of Exeter**

Harrison room 170 14:00-15:00

**Monday 10 Feb 2014: Carbon Nanotubes Fibres: processing, structure and properties**

**Professor Alan Windle FRS - Department of Materials Science, University of Cambridge**

HAR/170 (3D Visualisation Suite) 15:00-16:00

**Monday 10 Feb 2014: The propagation of nonlinear waves over variable topography (Taylor and Francis sponsored)**

**Prof Roger Grimshaw - University of Loughborough**

Harrison 101 15:00-16:00

**Friday 07 Feb 2014: Colloquium: Field cycling MRI: Technology, Methods and Applications**

**Prof. David Lurie - University of Aberdeen**

Newman Red 12:00-13:00

**Thursday 06 Feb 2014: Evolution: An Algorithmic Perspective**

**Dr Per Kristian Lehre - University of Nottingham**

Harrison 103 15:00-16:00

**Thursday 06 Feb 2014: Smart Grids: Challenges and Opportunities for Cornwall**

**Philip Bale, Jake Burnyeat - Western Power Distribution & Communities for Renewables CIC**

DDM Lecture B Penryn Campus 17:30-19:30

**Wednesday 05 Feb 2014: Fluctuation dynamo amplified by shear bursts in convectively driven magnetohydrodynamic turbulence**

**Dr Jane Pratt - University of Exeter**

Physics, 4th floor 14:00-15:00

**Tuesday 04 Feb 2014: Biodiversity and water engineering**

**Alan Feest - University of Bristol**

Harrison 170 14:00-15:00

**Monday 03 Feb 2014: Long-term trends in solar magnetism (Taylor and Francis sponsored)**

**Matt Owens - University of Reading**

Harrison 101 15:00-16:00

**Friday 31 Jan 2014: Colloquium: The deformation of graphene and graphene nanocomposites**

**Prof. Robert Young - University of Manchester**

Newman Red 12:00-13:00

**Tuesday 28 Jan 2014: Remote Sensing Applications of the Environment Agency**

**Alastair Duncan - Environment Agency, Bath**

Harrison 170 14:00-15:00

**Monday 27 Jan 2014: Transience and multifractal analysis**

**Thomas Jordan - University of Bristol**

Harrison 101 15:00-16:00

**Friday 24 Jan 2014: Heavy Metal: Lead Stars, Bling and Diffusion in Hot Subdwarfs**

**Dr Simon Jeffery - Armagh Observatory**

Physics, 4th floor 14:00-15:00

**Friday 24 Jan 2014: Colloquium: Twisting atomic gases into novel quantum phases**

**Prof. Nigel Cooper - Cambridge University**

Newman Red 12:00-13:00

**Thursday 23 Jan 2014: Conservation of Mass on the Yin-Yang Grid**

**Jacky Goddard - University of Exeter**

H101 15:00-16:00

**Thursday 23 Jan 2014: The Fourier decomposition on the Chow ring of certain hyperkaehler fourfolds**

**Charles Vial - University of Cambridge**

H103 15:00-16:00

**Wednesday 22 Jan 2014: The connection between black hole and galaxy growth**

**Dr James Mullaney - University of Sheffield**

Physics, 4th floor 14:00-15:00

**Tuesday 21 Jan 2014: New York City's water supply system**

**Ian A Crossley - Hazen and Sawyer**

Harrison 170 14:00-15:00

**Monday 20 Jan 2014: Global modelling of ocean tides (Taylor and Francis sponsored)**

**Stephen Griffiths - University of Leeds**

Harrison 101 15:00-16:00

**Thursday 16 Jan 2014: New Ceramics by Rapid Sintering**

**Professor Mike Reece - School of Engineering and Materials Science, Queen Mary University of London**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 16 Jan 2014: Vortex dynamics on surfaces of revolution (Taylor and Francis sponsored)**

**Stefanella Boatto -**

Harrison 101 15:00-16:00

**Wednesday 15 Jan 2014: Small Area Estimation on a National Scale**

**Paul Hewson - Plymouth University**

Plymouth University, Fitzroy 208 14:00-15:00

**Monday 13 Jan 2014: Finite time bifurcations**

**Martin Rasmussen -**

Harrison 101 15:00-16:00

**Monday 13 Jan 2014: Torbay Astronomical Society**

**Chris Brunt -**

Torquay Boys' Grammar School 19:30-21:00

**Monday 13 Jan 2014: National Science and Engineering Week**

**Dr Chris Brunt -**

University of Exeter 10:00-16:30

**Monday 13 Jan 2014: BBC Radio Devon**

**Dr Nathan Mayne -**

University of Exeter 08:40-08:45

**Monday 13 Jan 2014: IoP 3 Minute Wonder (SW branch)**

**Hannah Wakeford -**

University of Plymouth 09:00-17:00

**Thursday 09 Jan 2014: BBC Stargazing Live!**

**Nathan Mayne -**

BBC 2 20:00-21:00

**Thursday 09 Jan 2014: BBC Radio Cornwall**

**Dr Nathan Mayne -**

University of Exeter 08:10-08:15

**Wednesday 08 Jan 2014: Astrophysics talk at Exwick Heights school**

**Nathan Mayne -**

Exwick Heights 09:00-17:00

**Thursday 12 Dec 2013: Chiral Nematic Properties of Cellulosic Materials**

**Professor Derek Gray - Department of Chemistry, McGill University**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 11 Dec 2013: A-level students' research presentation**

**Dr Nathan Mayne -**

University of Exeter 11:00-12:00

**Monday 09 Dec 2013: Living Systems Modelling Event**

**Various - University of Exeter**

Innovation Centre, Conference Room 09:00-13:30

**Friday 06 Dec 2013: Numerical and Experimental Study on Urban Inundation**

**Professor Kenji Kawaike - Kyoto University**

Harrison room 170 15:00-16:00

**Friday 06 Dec 2013: Is star formation universal? (FRIDAY, 11am)**

**Dr Simon Goodwin - University of Sheffield**

Physics, 4th floor 11:00-12:00

**Friday 06 Dec 2013: Colloquium: Vortices in Unconventional Superconductors**

**Prof. Simon Bending - University of Bath**

Newman Red 12:00-13:00

**Thursday 05 Dec 2013: Young brown dwarfs: testing star and planet formation (THURSDAY)**

**Dr Aleks Scholz - University of St Andrews**

Physics, 4th floor 14:00-15:00

**Thursday 05 Dec 2013: Heuristic Footprints - tracking heuristic behaviour**

**Dr. Kent McClymont - Computer Science, University of Exeter**

Harrison 103 15:00-16:00

**Wednesday 04 Dec 2013: 3D numerical modelling of YSO accretion shocks and their observational relevance (3:30pm)**

**Dr Titos Matsakos - CEA, Saclay (Paris)**

Physics, 4th floor 15:30-16:30

**Wednesday 04 Dec 2013: Spatio-temporal dynamics of crime: a statistical modelling approach with an application to crime-rates in Lancashire, UK**

**Irene Kaimi - Plymouth University**

Plymouth University, Fitzroy 210 14:00-15:00

**Wednesday 04 Dec 2013: Bayesian inference for a stochastic growth process**

**Ana Paula Palacios - Plymouth University**

Plymouth University, Fitzroy 210 15:00-16:00

**Tuesday 03 Dec 2013: Identifying key sources of uncertainty in the modelling of greenhouse gas emissions from wastewater treatment**

**Christine Sweetapple - Centre for Water Systems, University of Exeter**

Harrison room 170 14:00-15:00

**Tuesday 03 Dec 2013: Identifying key sources of uncertainty in the modelling of greenhouse gas emissions from wastewater treatment**

**Christine Sweetapple - University of Exeter**

Harrison 170 14:00-15:00

**Monday 02 Dec 2013: Using meta analysis to inform clinical trial design**

**Professor Julian Higgins - University of Bristol**

Veysey Building, University of Exeter Medical School 15:30-16:30

**Friday 29 Nov 2013: Colloquium: Nano-optics of complex media:manipulating and visualising the local density of states at the nanoscale**

**Dr. Riccardo Sapienza - Kings College London**

Newman Red 12:00-13:00

**Friday 29 Nov 2013: Westgate Science Club**

**Jenny Hatchell & Alex Pettitt -**

Westgate Science Club 18:30-20:00

**Thursday 28 Nov 2013: Electronic properties of epitaxial and functionalised graphene in simulation and experiment**

**Dr Peter Brommer - Department of Physics, University of Warwick**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 28 Nov 2013: Some applications of combinatorial optimization tools**

**Dr. Laurent Lemarchand - CS departement, University of Brest, France**

Harrison 101 15:00-16:00

**Thursday 28 Nov 2013: On the section conjecture over finitely generated fields.**

**Mohamed Saidi - University of Exeter**

Harrison 103 15:00-16:00

**Thursday 28 Nov 2013: Swansea astronomical society**

**Clare Dobbs -**

Swansea Astronomical Society 19:00-21:00

**Thursday 28 Nov 2013: BBC Radio Devon interview**

**Hannah Wakeford -**

University of Exeter 08:00-08:20

**Wednesday 27 Nov 2013: Is Multiplicity Universal? (short talk)**

**Paul Elliot - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 27 Nov 2013: Industry Awareness Event**

**Members of the Centre for Water Systems and industrial colleagues -**

**Harrison LT4 17:00-18:30**

**Wednesday 27 Nov 2013: Entrainment, Synchronization and Control of transcriptional networks**

**Professor Mario diBernardo - Universities of Naples and Bristol**

**Harrison 170 11:00-12:00**

**Wednesday 27 Nov 2013: WISE astrophysics activity**

**Jenny Hatchell -**

**Innovation Centre 11:00-13:00**

**Tuesday 26 Nov 2013: LARGE EDDY SIMULATION IN HYDRAULICS  
Recent success and challenges and opportunities**

**Professor Thorsten Stoesser - Cardiff University**

**Harrison Room 170 14:00-15:00**

**Monday 25 Nov 2013: How predictable is the effect of climate change on the atmospheric circulation? (Taylor and Francis sponsored)**

**Prof Ted Shepherd - Grantham Professor of Climate Science, Department of Meteorology, University of Reading**

**Laver LT 6 15:00-16:00**

**Friday 22 Nov 2013: Colloquium: The maggot in the apple: peaceful coexistence of incompatible theories**

**Prof. Sir Michael Berry, FRS - University of Bristol**

**Newman Red 12:00-13:00**

**Thursday 21 Nov 2013: A new conjecture for Rubin-Stark elements and its applications**

**Takamichi Sano - Keio, Japan**

**Harrison 103 15:00-16:00**

**Wednesday 20 Nov 2013: Spiral Arms in Numerical Simulations of Disc Galaxies**

**Dr Daisuke Kawata - MSSL, UCL**

Physics, 4th floor 14:00-15:00

**Tuesday 19 Nov 2013: UKWIR R & I Source Apportionment Tool**

**Hans Jensen - UKWIR**

Harrison room 170 14:00-15:00

**Monday 18 Nov 2013: Conduction velocity restitution in models of electrical excitation in the heart (Taylor and Francis sponsored)**

**Radostin Simitev - University of Glasgow**

Harrison 101 15:00-16:00

**Friday 15 Nov 2013: What Can Thermal Convection Teach Us about the Nature of Turbulence? (Taylor and Francis sponsored)**

**Professor F. H. Busse -**

Harrison 170 15:30-16:30

**Friday 15 Nov 2013: Colloquium: The power of entanglement: Computation, Phase transitions and the 2nd law**

**Dr. Janet Anders - University of Exeter**

Newman Red 12:00-13:00

**Thursday 14 Nov 2013: Spatial methods that combine ideas from wavelets and lattices (joint with CliMathNet)**

**Doug Nychka - NCAR, USA**

Harrison 103 15:00-16:00

**Thursday 14 Nov 2013: Observing atomic dynamics during crystallisation from Ab initio molecular dynamics simulations**

**Dr Tae-Hoon Lee - Department of Chemistry, University of Cambridge**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 14 Nov 2013: On the arithmetic of abelian varieties (joint with Akio Tamagawa).**

**Mohamed Saidi - University of Exeter**

Harrison 101 15:00-16:00

**Thursday 14 Nov 2013: The Geometry of Evolutionary Algorithms (Part II)**

**Dr Alberto Moraglio - Computer Science, University of Exeter**

Harrison 170 15:00-16:00

**Thursday 14 Nov 2013: Spatial methods that combine ideas from wavelets and lattices (joint with CliMathNet)**

**Doug Nychka - NCAR, USA**

Harrison 103 15:00-16:00

**Tuesday 12 Nov 2013: Climatic data downscaling, to do or not to do?**

**Dr Yunqing Xuan - College of Engineering, Swansea University**

Harrison 170 14:00-15:00

**Monday 11 Nov 2013: Parallelisation of dynamically changing grids with a cluster-based approach and invasion**

**Martin Schreiber - Technical University Munich**

Harrison 101 15:00-16:00

**Saturday 09 Nov 2013: Wembleball Dark Skies**

**Nathan Mayne -**

Wembleball, Exmoor National Park 18:00-22:00

**Friday 08 Nov 2013: Colloquium: Flowers, Fruits and Gyroids: Optics of self-assembled photonic materials.**

**Dr. Silvia Vignolini - University of Cambridge**

Newman Red 12:00-13:00

**Thursday 07 Nov 2013: Recent Improvements to Ant Colony Classification Algorithms**

**Dr. Fernando Otero - School of Computing at the University of Kent**

**Harrison 101 15:00-16:00**

**Thursday 07 Nov 2013: Applied Maths seminar - Neil Holbrook**

**Neil Holbrook - Institute for Marine and Antarctic Studies, University of Tasmania, Hobart, Australia**

**H170 13:00-14:00**

**Thursday 07 Nov 2013: Factoriality for the Zassenhaus variety, or how lucky can one be**

**Amiram Braun - Haifa**

**Harrison 103 15:00-16:00**

**Wednesday 06 Nov 2013: Shedding light on the dark ages of star formation: Dense gas kinematics and core formation**

**Dr Nicolas Peretto - Cardiff University**

**Physics, 4th floor 14:00-15:00**

**Tuesday 05 Nov 2013: Water Quality Model Development for Estuaries: A combined numerical and experimental approach**

**Dr Bettina Bockelmann-Evans - Cardiff University**

**Room 170 Harrison 14:00-15:00**

**Monday 04 Nov 2013: Remarks on the regularity for the Navier-Stokes equations: self-similarity and criticality revisited (Taylor and Francis sponsored)**

**Koji Ohkitani - University of Sheffield**

**Harrison 170 16:00-17:00**

**Friday 01 Nov 2013: Colloquium: Super-resolution and Quantitative Fluorescence Imaging for Physical Biology**

**Prof. Christian Soeller - University of Exeter**

Newman Red 12:00-13:00

**Thursday 31 Oct 2013: Multiplicative Galois module structure and the Cohen-Lenstra heuristics**

Alex Bartel - University of Warwick

Harrison 004 15:00-16:00

**Thursday 31 Oct 2013: Multiwalled inorganic nanotubes: spontaneous formation and applications**

Dr Dmitry Bavykin - School of Engineering Science, University of Southampton

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 30 Oct 2013: Galaxies under the cosmic microscope**

Dr Mark Swinbank - University of Durham

Physics, 4th floor 14:00-15:00

**Tuesday 29 Oct 2013: Retrofitting of Sustainable Drainage Systems: Rapid Decision Support Tool for Different Professionals Based on Estimated Ecosystem Services**

Professor Miklas Scholz - The University of Salford

Room 170 Harrison 14:00-15:00

**Tuesday 29 Oct 2013: AG Dynamics seminar: Title TBC**

Dwight Barkeley - University of Warwick

TBC 16:00-17:00

**Tuesday 29 Oct 2013: AG Dynamics seminar: Simplifying the complexity of pipe flow**

Dwight Barkley - University of Warwick

St Johns room, Kay building 16:00-17:00

**Monday 28 Oct 2013: Laser dynamics as a test bed for nonlinear dynamics**

Andreas Amman - University College, Cork.

Harrison 101 15:00-16:00

**Monday 28 Oct 2013: Bayesian non-parametric methods for time-varying volatility models with applications to portfolio allocation**

**Audrone Virbickaite - Universidad Carlos III de Madrid**

Plymouth University, Cookworthy 409 14:00-15:00

**Friday 25 Oct 2013: Colloquium: Generations of Dirac electrons due to moire' superlattice in graphene**

**Prof. Vladimir Falko - University of Lancaster**

Newman RED 12:00-13:00

**Friday 25 Oct 2013: CliMathNet e-seminar: Dew Droplets and Cloud Droplets: Droplet Growth, Size Distributions, and Corrections to Scaling**

**Juergen Vollmer - Max-Planck-Institut fuer Dynamik und Selbstorganisation**

Harrison 215 16:00-17:00

**Thursday 24 Oct 2013: Critical layer and radiative instabilities in shallow water**

**Xavier Riedinger - University of Exeter**

Harrison 101 15:00-16:00

**Thursday 24 Oct 2013: The Geometry of Evolutionary Algorithms**

**Dr Alberto Moraglio - Computer Science, University of Exeter**

Harrison 103 15:00-16:00

**Wednesday 23 Oct 2013: Science Results from Galaxy Zoo**

**Dr Karen Masters - University of Portsmouth**

Physics, 4th floor 14:00-15:00

**Tuesday 22 Oct 2013: (How) Do you consider the quality of data you use?**

**Dr Nemanja Branisljevic - University of Exeter**

Room 170 Harrison 14:00-15:00

**Tuesday 22 Oct 2013: CliMathNet e-seminar: A Simple Conceptual Framework for Stratosphere Troposphere Coupling**

**Prof Mark Baldwin - University of Exeter**

Harrison 209 16:00-17:00

**Monday 21 Oct 2013: Speeding up convergence to equilibrium for diffusion processes**

**Greg Pavliotis - Imperial College, London**

Harrison 101 15:00-16:00

**Friday 18 Oct 2013: The chemistry of exo-terrestrial material in evolved planetary systems**

**Prof. Boris Gaensicke - University of Warwick**

Newman RED 12:00-13:00

**Thursday 17 Oct 2013: Metaheuristics for Optimisation in Noisy Environments**

**Prof Juergen Branke - Warwick Business School**

Harrison 101 15:00-16:00

**Thursday 17 Oct 2013: Magnonics: from fundamentals to applications**

**Dr Yat-Yin Au - Engineering, CEMPS, University of Exeter**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 16 Oct 2013: (CHANGE OF TIME) Influence of rotation rate, magnetic field topology and strength on magnetic braking for sun-like stars (short talk)**

**Victor Reville - CEA/Irfu Universite Paris-Diderot CNRS/INSU, France**

Physics, 4th floor 13:30-14:15

**Wednesday 16 Oct 2013: Default Probability Estimation with D-Vines**

**Luciana Dalla Valle - Plymouth University**

Plymouth University, Fitzroy 208 14:00-14:50

**Wednesday 16 Oct 2013: Bayesian multivariate meta-analysis**

**Yingui Wei - Plymouth University**

Plymouth University, Fitzroy 208 14:50-16:00

**Wednesday 16 Oct 2013: climate model dependence, its relationship to ensemble interpretation paradigms and effect on CMIP5 projections**

**Gab Abramowitz -**

H170 11:00-12:00

**Tuesday 15 Oct 2013: Understanding and Improving Model Predictive Performance in Water Systems**

**Dr Chris Hutton - University of Exeter**

H 170 14:00-15:00

**Friday 11 Oct 2013: Colloquium: Metamaterials: so what?**

**Dr. Ian Youngs - DSTL**

Newman RED 12:00-13:00

**Thursday 10 Oct 2013: Probability and the Law**

**Professor Norman Fenton - Queen Mary University of London**

Laver LT6 15:00-16:00

**Thursday 10 Oct 2013: The Display of a K3-surface with applications to deformation theory**

**Andreas Langer - University of Exeter**

Harrison 103 15:00-16:00

**Thursday 10 Oct 2013: Search Based Software Engineering: An Ideal Set of Challenges for Evolutionary Computation**

**Prof. Mark Harman - University College London**

Harrison 170 15:00-16:00

**Tuesday 08 Oct 2013: Water and Environment seminar**

**Andrew Watson - Loughborough University**

H170 14:00-15:00

**Tuesday 08 Oct 2013: MAGIC special lecture: Quantum Mechanics and Topology**

**Prof Jonathan Keating FRS - University of Bristol**

Laver LT3 15:00-16:00

**Monday 07 Oct 2013: Dynamical systems seminar**

**Dimitry Turaev - Imperial College, London**

Harrison 101 15:00-16:00

**Monday 07 Oct 2013: Fermi acceleration in time-dependent billiards**

**Dimitry Turaev - Imperial college**

Harrison 101 15:00-16:00

**Saturday 05 Oct 2013: Catalyst Family Outreach Project**

**Hannah Wakeford -**

RAMM, Exeter 14:00-17:00

**Thursday 03 Oct 2013: Geometric l-parity**

**Fabien Trihan - University of Exeter**

Harrison 101 15:00-16:00

**Thursday 03 Oct 2013: Modeling and mathematical analysis of a disturbance specialist plant and its seed bank**

**Prof Richard Rebarber - University of Nebraska**

ESI Trevithick Room (AV Link to XFi Seminar B) 16:00-17:00

**Tuesday 01 Oct 2013: Control problems in wastewater treatment**

**Professor Gustaf Olsson -**

tbc 14:00-15:00

**Monday 30 Sep 2013: The Internal Topology of Magnetic Flux Tubes (Taylor and Francis sponsored)**

**Anthony Yeates - University of Durham**

Harrison 101 15:00-16:00

**Saturday 28 Sep 2013: Catalyst Family Outreach Project**

**Hannah Wakeford -**

RAMM, Exeter 14:00-17:00

**Friday 27 Sep 2013: Discovery and characterisation of transiting exoplanets (FRIDAY 11am)**

**Dr Peter Wheatley - University of Warwick**

Physics, 4th floor 11:00-12:00

**Wednesday 25 Sep 2013: Formation of different cloud structures at HII boundaries**

**Dr Jingqi Miao - University of Kent**

Physics, 4th floor 14:00-15:00

**Tuesday 24 Sep 2013: Spatiotemporal organization of brain activity at rest**

**Viktor Jirsa - AIX-Marseille**

HAR170 11:00-12:00

**Saturday 21 Sep 2013: Kernow Astronomical Society**

**Alex Pettitt, Emily Drabek -**

Kernow Astronomical Society 19:00-21:00

**Saturday 21 Sep 2013: Catalyst Family Outreach Project**

**Hannah Wakeford -**

RAMM, Exeter 14:00-17:00

**Friday 20 Sep 2013: Smart Water Metering and Residential End Use Analysis: Recent Findings from Australia**

**Dr Cara Beal - Smart Water Research Centre, Griffith University, Australia**

tbc 14:00-15:00

**Tuesday 10 Sep 2013: Urban flood management in India using geospatial technology**

**Professor Vibhash Chandra Jha - Director of National Atlas & Thematic Mapping Organisation (NATMO) Ministry of Science & Technology Kolkata, India**

Harrison 215 14:00-15:00

**Tuesday 10 Sep 2013: A Mathematical Model for Pancreatic Islet Oscillations and their Synchronization**

**Richard Bertram - Florida State University**

Harrison 215 11:15-12:15

**Friday 06 Sep 2013: Topological Vorticity Dynamics and Magnetohydrodynamics (Taylor and Francis sponsored)**

**Mini Conference - University of Exeter**

Laver LT 6 09:00-17:00

**Thursday 05 Sep 2013: International Conference on Flood Resilience: Experiences in Asia and Europe**

**Contact Professor Slobodan Djordjevic: [icfr@exeter.ac.uk](mailto:icfr@exeter.ac.uk) -**

**Peter Chalk Centre, University of Exeter 09:00-17:00**

**Tuesday 03 Sep 2013: Photoconductive response in charge-transfer interfaces with high quantum efficiency**

**Dr Helena Alves - University of Lisbon**

Laver LT6 11:00-12:00

**Tuesday 30 Jul 2013: Defining limits to multiple simultaneous anthropogenic stressors in a lake ecosystem - Lake Kinneret (Sea of Galilee) as a case study**

**Professor Eran Friedler - Faculty of Civ. & Env. Eng., The Grand Wat. Res. Inst.  Technion, IL Inst. of Technology**

Harrison 170 14:00-15:00

**Thursday 25 Jul 2013: 3D printing workshop**

Members of CALM - University of Exeter

CALM, Harrison Building, North Park Road, University of Exeter 10:00-16:00

**Thursday 25 Jul 2013: Some counterexamples to a naive generalization of Noether's theorem to nonclassical Hopf-Galois structures**

Dr Paul Truman - University of Keele

Harrison 203 15:00-16:00

**Thursday 18 Jul 2013: 3D printing workshop**

Members of CALM - University of Exeter

CALM, Harrison Building, North Park Road, University of Exeter 10:00-16:00

**Tuesday 16 Jul 2013: CliMathNet seminar: Multiscale Methods for the Multiscale Environment of Climate Simulation**

Rob Scheichl - University of Bath

Harrison 209 16:00-17:00

**Friday 12 Jul 2013: CliMathNet Seminar: Inclusion of Linearized Moist Physics in NASA's Goddard Earth Observing System Data Assimilation Tools**

Dan Holdaway - NASA Goddard Space Flight Center

Harrison 209 14:00-15:00

**Friday 12 Jul 2013: Pre-University Physics Course**

Chris Brunt -

University of Exeter 09:00-17:00

**Thursday 11 Jul 2013: Pre-University Physics Course**

Chris Brunt -

University of Exeter 09:00-17:00

**Wednesday 10 Jul 2013: Pre-University Physics Course**

**Chris Brunt -**

University of Exeter 09:00-17:00

**Thursday 27 Jun 2013: Big Bang! SW science fair**

**Jenny Hatchell, Hannah Wakeford, Emily Drabek-Maunders, Stefan Kraus -**

Exeter University sports centre 09:00-17:00

**Wednesday 26 Jun 2013: Magnetic Fields in Star Formation**

**Terrence Tricco - Monash Centre for Astrophysics (MoCA), Australia**

Physics, 4th floor 14:00-15:00

**Wednesday 19 Jun 2013: Plymouth Manufacturers Group - Special PMG Resource Efficiency Group**

**Dr Sara Flint - CALM (University of Exeter)**

CALM, Harrison Building, North Park Road, University of Exeter 12:00-15:45

**Tuesday 18 Jun 2013: CANCELLED**

**Dr Nicola Schneider - LAB Bordeaux**

Physics, 4th floor 14:00-15:00

**Monday 17 Jun 2013: Random Attractors and the Preservation of Synchronization in the Presence of Noise**

**Peter Kloeden - Goethe University**

Laver LT3 16:00-17:00

**Thursday 13 Jun 2013: Dust (CHANGE OF DATE/TIME)**

**Dr Daniel Price - Monash Centre for Astrophysics (MoCA), Australia**

Physics, 4th floor 11:00-12:00

**Monday 10 Jun 2013: Wave energy resource characterisation for island communities: case studies from the Channel region.**

**Vanesa Magar - University of Plymouth**

Laver LT3 15:00-16:00

**Monday 10 Jun 2013: The emergent rhythms of Health and Disease: where mathematics, medicine and biology meet**

**Professor John Terry - Exeter**

Harrison 004 video linked to PL Seminar 7 17:15-18:15

**Thursday 06 Jun 2013: Title: Band Engineering With Atomic Layer Capacitors**

**Dr Keith T. Butler - Centre for Sustainable Chemical Technologies and Department of Chemistry, University of Bath**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 06 Jun 2013: Planets panel at Cheltenham Science Festival**

**David Acreman -**

Cheltenham 19:00-21:00

**Wednesday 05 Jun 2013: Feedback from Winds and Supernovae in Massive Stellar Clusters**

**Hazel Rogers - University of Leeds**

Physics, 4th floor 14:00-15:00

**Tuesday 04 Jun 2013: AG Dynamics Seminar: Symbolic Toolkit for Exploration of Deterministic Chaos**

**Andrey Shilnikov - Georgia State University**

Harrison 209 16:00-17:00

**Monday 03 Jun 2013: Emergence, Tipping points and Nudges**

**Robert Mackay, FRS - University of Warwick**

Harrison 103 12:00-13:00

**Thursday 30 May 2013: A model of reference frames for spatial and temporal language**

**Dr. Thora Tenbrink - Bangor University**

Harrison 102 14:00-15:00

**Thursday 30 May 2013: Workshop: Rotational Fluid Dynamics for Planetary and Stellar Applications (Taylor and Francis Sponsored)**

Various -

Harrison 170 09:30-14:00

**Wednesday 29 May 2013: (11am) Building Spiral Galaxies: 72 Years of Failure and Counting**

Professor Brad Gibson - University of Central Lancashire

Physics, 4th floor 11:00-12:00

**Wednesday 29 May 2013: Workshop: Rotational Fluid Dynamics for Planetary and Stellar Applications (Taylor and Francis Sponsored)**

Various -

Harrison 170 12:00-18:00

**Tuesday 28 May 2013: CliMathNet seminar: Data assimilation and modelling the carbon cycle**

Philip Aston and Sylvain Delahaies - University of Surrey

Harrison 209 16:00-17:00

**Tuesday 28 May 2013: 3rd Year engineering individual projects Poster Day**

Various -

Harrison 101-103 10:00-16:00

**Friday 24 May 2013: IoP SW Channel Islands schools tour**

Jenny Hatchell -

Jersey and Guernsey schools 09:00-22:00

**Thursday 23 May 2013: Towards an energy-conserving deep-atmosphere quasi-hydrostatic dynamical core**

Dr. Marine Tort - Laboratoire de Meteorologie Dynamique, Ecole Polytechnique, Palaiseau, France

Amory 128 15:00-16:00

**Thursday 23 May 2013: Prolegomena to an Ontology of Shape**

**Dr. Antony Galton - Computer Science, University of Exeter**

Harrison 209 14:00-15:00

**Thursday 23 May 2013: IoP SW Channel Islands schools tour**

**Jenny Hatchell -**

Jersey and Guernsey schools 09:00-22:00

**Wednesday 22 May 2013: Confronting Oceanic Scale Numerical Plankton Models with Observational Data**

**John Bruun - Environmental Statistics and Modelling Science, Plymouth Marine Laboratory**

Plymouth University, Fitzroy Building 210 15:00-16:00

**Tuesday 21 May 2013: Title-Greywater reuse, scale, opportunities and impediments**

**Prof Eran Friedler -**

Harrison 170 14:00-15:00

**Tuesday 21 May 2013: Inspiring Science Lecture**

**Prof Jim Haywood -**

Harrison 004 17:00-19:00

**Monday 20 May 2013: New insights into the electrophysiology of the human heart through nonlocal modelling**

**Kevin Burrage -**

Amory A128 15:00-16:00

**Thursday 16 May 2013: Why Everything You Know About Football is Wrong**

**Professor Chris Anderson - Cornell University**

Streatham Court C, University of Exeter 16:00-17:00

**Wednesday 15 May 2013: Galois covers of type (p, ... , p)**

**Nicholas Williams - University of Exeter**

Harrison 215 15:00-16:00

**Tuesday 14 May 2013: AG dynamics seminar: Stick-Slip Transition in a Model with Dry Friction**

**Wolfram Just - QMUL**

Kay Building, St Johns Room 16:00-17:00

**Monday 13 May 2013: Knotted DNA: Models and Consequences**

**Dorothy Buck - Imperial College London**

Laver LT3 15:00-16:00

**Thursday 09 May 2013: Homomorphisms between Specht modules**

**Matthew Fayers - Queen Mary**

Streatham Court A 15:00-16:00

**Thursday 09 May 2013: Title: Novel magneto-optic behaviour from an organic polymer**

**Dr Daniel Lynch - Exilica Limited, The Technocentre, Coventry CV1 2TT**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 08 May 2013: (11am) Waterfalls around protostars**

**Dr Joe Mottram - Leiden University**

Physics, 4th floor 11:00-12:00

**Tuesday 07 May 2013: Using broad scale modelling to support flood risk management decision making**

**Dr Jon Wicks - Halcrow / CH2M HILL**

Room 170 Harrison 14:00-15:00

**Tuesday 07 May 2013: Exeter Racing Formula Student car unveiling**

**Exeter Racing Team -**

Alumni Auditorium 19:00-20:00

**Thursday 02 May 2013: Generation and random generation of simple groups and their subgroups**

**Tim Burness - Southampton**

Amory 128 15:00-16:00

**Thursday 02 May 2013: Chemistry ontologies in practice; experience with text mining and Open PHACTS**

**Colin Batchelor - Chemistry in Cambridge**

Laver LT3 15:00-16:00

**Wednesday 01 May 2013: Statistical Learning Thresholds and Steps**

**Helen MacGillivray - International Statistical Institute, Queensland University of Technology**

Plymouth University, Room TBC 16:00-17:00

**Tuesday 30 Apr 2013: Dealing with variable water resource security and water quality for the supply of safe drinking water, an Australian perspective**

**John van Leeuwen - University of South Australia**

Harrison 102 14:00-15:00

**Tuesday 30 Apr 2013: CliMathNet Seminar: Sensing the natural world**

**Marion Scott - University of Glasgow**

Harrison 209 16:00-17:00

**Tuesday 30 Apr 2013: ClimMathNet Seminar: Sensing the natural world**

**Marion Scott - University of Glasgow**

Harrison 209, University of Exeter 16:00-17:00

**Wednesday 24 Apr 2013: Galaxy Interactions in the Nearby Universe (3:30pm)**

**Dr Nicola Brassington - University of Hertfordshire**

Physics, 4th floor 15:30-16:30

**Wednesday 24 Apr 2013: Applied Statistics and England's HBSC study: Practical Issues for Methods, Models and Meaning**

**Neil Spencer - Statistical Service and Consultancy Unit, University of Hertfordshire**

Plymouth Univeristy, Portland Square C2 15:00-16:00

**Thursday 11 Apr 2013: Astrophysics talk**

**Darryl Sergison -**

Kernow Astronomers 19:00-20:00

**Friday 05 Apr 2013: Divisibility, ideal and valuation theory**

**Pham Ngoc Anh - Renyi Institute of Mathematics, Hungarian Academy of Sciences**

Harrison 101 15:00-16:00

**Friday 29 Mar 2013: Astrophysics not-staff meet**

**TBC -**

4th floor interaction area, physics tower 11:00-11:45

**Thursday 28 Mar 2013: Variational Bayesian and belief propagation based multi-target tracking**

**Ata Ur-Rehman - Loughborough University**

Harrison 106 14:00-15:00

**Wednesday 27 Mar 2013: Numerical simulations of triggered star formation in expanding HII regions**

**Dr Thomas Bisbas - University College London**

Physics, 4th floor 14:00-15:00

**Wednesday 27 Mar 2013: Inspiring Science Lecture: Climate change and the global carbon cycle**

**Professor Pierre Friedlingstein -**

Harrison 004 17:15-19:00

**Tuesday 26 Mar 2013: Water Quality Model Development for Estuaries: A combined numerical and experimental approach**

**Dr Bettina Bockelmann-Evans - University of Cardiff**

Room 170 Harrison 14:00-15:00

**Friday 22 Mar 2013: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 22 Mar 2013: Advances in the theory of Micro-Robots**

**Vladimir Vladimirov, University of York -**

Newman F 12:00-01:00

**Thursday 21 Mar 2013: Dr Chris Geroux THURSDAY 1pm**

**Dr Chris Geroux - University of Exeter**

Physics, 4th floor 13:00-14:00

**Thursday 21 Mar 2013: Title: Synthesis of 1D tungsten oxide and oxynitride nanostructures**

**Fang Xu - University of Exeter**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 21 Mar 2013: Finite dimensional p-adic representations of compact p-adic groups**

**Simon Wadsley - University of Cambridge**

Harrison 106 14:00-15:00

**Wednesday 20 Mar 2013: Ratcliffe School, Dawlish**

**Hannah Wakeford -**

Ratcliffe School, Dawlish 10:00-12:00

**Tuesday 19 Mar 2013: Targeting water mains for discolouration-driven interventions at SWW  Discolouration Propensity Modelling (DPM)**

**Mark Randall-Smith - Mouchel**

**Room 170 Harrison 14:00-15:00**

**Friday 15 Mar 2013: Astrophysics not-staff meet**

**TBC -**

**4th floor interaction area, physics tower 11:00-11:45**

**Friday 15 Mar 2013:  Convection and Rotation in the Sun. **

**Steve Balbus, University of Oxford -**

**Newman F 12:00-01:00**

**Thursday 14 Mar 2013: De Rham-Witt cohomology**

**Andre Chatzistamatiou - Essen**

**Harrison 106 14:00-15:00**

**Tuesday 12 Mar 2013: Knowledge Transfer in action at United Utilities**

**Kevin Woodward - United Utilities**

**Room 170 Harrison 14:00-15:00**

**Tuesday 12 Mar 2013: CliMathNet Seminar: Data assimilation for very high dimensional models**

**Prof Peter Jan van Leeuwen - University of Reading**

**Harrison 203 16:00-17:00**

**Monday 11 Mar 2013: Society's Growing Vulnerability to Natural Hazards and Implications for Weather and Climate Research**

**Prof Julia Slingo - Met Office**

**Harrison LT04 15:00-16:00**

**Friday 08 Mar 2013: Astrophysics not-staff meet**

**TBC -**

**4th floor interaction area, physics tower 11:00-11:45**

**Friday 08 Mar 2013: Optical manipulation of non-spherical particles**

**Simon Hanna, University of Bristol -**

Newman F 12:00-01:00

**Thursday 07 Mar 2013: Towards a new Scheme for Parametrization of Convection in an Atmospheric Dispersion Model**

**Dr Elena Meneguz - Met Office**

Harrison 102 14:00-15:00

**Thursday 07 Mar 2013: Title: Plasmonic devices: Steering light photons and generating single plasmons**

**Choon How Gan - University of Exeter**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 07 Mar 2013: European water use. Shortfall to sustainability?**

**Visiting Professor Chris Binnie -**

Room 170 Harrison 12:00-13:00

**Thursday 07 Mar 2013: Vologodsky and Coleman integration in the semi-stable case, and syntomic regulators**

**Amnon Besser - Be'er-Sheva and Oxford**

Harrison 106 14:00-15:00

**Thursday 07 Mar 2013: Tavistock School hosted visit**

**Dr Nathan Mayne -**

University of Exeter 11:00-12:00

**Wednesday 06 Mar 2013: (11am) Tidal evolution of planets around Brown Dwarfs**

**Emeline Bolmont - University of Bordeaux**

Physics, 4th floor 11:00-12:00

**Tuesday 05 Mar 2013: Water Engineering as an example of a Cyber-Physical-Social System**

**Dr John Brooke - University of Manchester**

Harrison 170 14:00-15:00

**Monday 04 Mar 2013: Fluid dynamics seminar**

**Prof Xuesong Wu - Imperial College, London**

LT04 15:00-16:00

**Friday 01 Mar 2013: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 01 Mar 2013: The Enigma of Optical Momentum**

**Stephen Barnett, University of Strathclyde -**

Newman F 12:00-01:00

**Thursday 28 Feb 2013: Inspiring Science Lecture: Solar Variability and Climate**

**Professor Joanna Haigh, Imperial College London -**

Henderson Lecture Theatre, Xfi Building and video linked to Daphne du Maurier Seminar Room J 17:15-19:00

**Thursday 28 Feb 2013: Early Career session**

**Professor Joanna Haigh, Imperial College London -**

Henderson Lecture Theatre, Xfi Building and video linked to Daphne du Maurier Seminar Room J 16:45-17:15

**Thursday 28 Feb 2013: Rational points of bounded height and the Weil restriction.**

**Daniel Loghran - Bristol**

Harrison 106 14:00-15:00

**Wednesday 27 Feb 2013: Atmospheric spectroscopy of terrestrial exoplanets - CANCELLED.**

**Dr Mark Claire - University of East Anglia**

Physics, 4th floor 14:00-15:00

**Tuesday 26 Feb 2013: Delivering secure and sustainable water supplies in England and Wales  some reflections on the issues, difficulties and options**

**Dr Colin Fenn -**

Harrison 170 14:00-15:00

**Monday 25 Feb 2013: On extremes and recurrence for chaotic dynamical systems**

**Mark Holland -**

Harrison 004 15:00-16:00

**Friday 22 Feb 2013: Astrophysics not-staff meet**

**TBC -**

4th floor interaction area, physics tower 11:00-11:45

**Friday 22 Feb 2013:  Molecular Mayhem! Dynamics, Defects and Disorder** 

**Sarah Harris, University of Leeds -**

Newman F 12:00-01:00

**Thursday 21 Feb 2013: Density Anomalies and Gravitational Field Perturbation Caused by Differential Rotation in Jupiter**

**Dali Kong - University of Exeter**

Harrison 102 14:00-15:00

**Thursday 21 Feb 2013: Tracking Learning Detection**

**Dr. Krystian Mikołajczyk - Centre for Vision, Speech and Signal Processing, University of Surrey**

Harrison 106 14:00-15:00

**Thursday 21 Feb 2013: Title: Advanced Thin Film Zinc Oxide for Electronic and Optoelectronic Applications**

**Dr Harold M H Chong - Nano Research Group, University of Southampton**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 20 Feb 2013: Insight into Teaching Event**

**Institute of Physics -**

Physics 124 14:00-16:30

**Tuesday 19 Feb 2013: Urban Water Challenges for the 21st Century: A US Perspective**

**Vanessa Speight -**

Harrison 170 14:00-15:00

**Monday 18 Feb 2013: GAFD seminar**

**Prof Chris Jones - University of Leeds**

LT 004 15:00-16:00

**Friday 15 Feb 2013: Astrophysics not-staff meet**

**TBC -**

4th floor interaction area, physics tower 11:00-11:45

**Friday 15 Feb 2013:  Microtubules, MAPs and Mitosis: a holistic approach to understanding cell division **

**James Wakefield, University of Exeter -**

Newman F 12:00-01:00

**Thursday 14 Feb 2013: Next generation weather and climate prediction models: progress under the Gung Ho project**

**Prof John Thuburn - University of Exeter**

Harrison 102 14:00-15:00

**Wednesday 13 Feb 2013: Direct Statistical Simulation in Astrophysical (and Geophysical) Fluids**

**Prof Steve Tobias - University of Leeds**

Physics, 4th floor 14:00-15:00

**Tuesday 12 Feb 2013: Optimisation-driven Simulation of Water Markets to Help Policy Design**

**Dr Julien Harou - University College London**

Harrison 170 14:00-15:00

**Monday 11 Feb 2013: Are zero-Reynolds-number flows REALLY unique!? Some problems in curved pipe flows.**

**Jonathan Mestel - Imperial College London**

LT 004 15:00-16:00

**Friday 08 Feb 2013: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 08 Feb 2013:  Superconductivity and Magnetism **

**Lesley Cohen, Imperial College -**

Newman F 12:00-01:00

**Friday 08 Feb 2013: College Career Fair**

**Various companies -**

The Forum 11:00-15:00

**Thursday 07 Feb 2013: Title: Beyond von-Neumann Computing with Phase-Change Memory Devices**

**Peiman Hosseini - University of Exeter**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 07 Feb 2013: Kohonen Self Organising Maps for water resources data mining applications**

**Dr. Steve Mounce - University of Sheffield**

**Harrison 102 14:00-15:00**

**Wednesday 06 Feb 2013: Constraining Age Spreads within Clusters**

**Dr Nate Bastian - Liverpool John Moores University**

**Physics, 4th floor 12:00-13:00**

**Tuesday 05 Feb 2013: Everyday practice and water - Reflections on the upscaling of practice based approaches to water demand in the UK**

**Dr Alison Browne - University of Manchester**

**Room 170 Harrison 14:00-15:00**

**Monday 04 Feb 2013: Maths & CS Colloquium (PURE)**

**Prof Heath-Brown -**

**LT04 15:00-16:00**

**Friday 01 Feb 2013: Astrophysics not-staff meet**

**TBC -**

**4th floor interaction area, physics tower 11:00-11:45**

**Friday 01 Feb 2013: "Optical forces, energy-momentum and chirality - the role of material properties"**

**Thomas Philbin, University of Exeter -**

**Newman F 12:00-01:00**

**Thursday 31 Jan 2013: Highest weight vectors for the adjoint action of  $GL_n$  on polynomial**

**Rudolf Tange -**

**Harrison 106 14:00-15:00**

**Wednesday 30 Jan 2013: Athena SWAN event - keynote speaker Professor Teresa Rees CBE**

**Professor Teresa Rees CBE - Cardiff University School of Social Sciences**

Alumni Auditorium 13:00-15:00

**Monday 28 Jan 2013: Krasimira Tsaneva-Atanasova**

**Krasimira Tsaneva-Atanasova - University of Bristol**

- 15:00-16:00

**Friday 25 Jan 2013: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 25 Jan 2013:  Nanoplasmonics: Light harvesting to the nanoscale for nonlinear optics, biosensing, and the investigation of the classical/quantum boundary **

**Stefan Meier, Imperial College -**

Newman F 12:00-01:00

**Thursday 24 Jan 2013: Shock waves and star formation using multigroup radiation hydrodynamics (THURSDAY)**

**Dr Neil Vaytet - CRA, Lyon**

Physics, 4th floor 14:00-15:00

**Thursday 24 Jan 2013: Valuation Criterion for Normal Basis Generators in Local Fields**

**Nigel Byott - University of Exeter**

Harrison 102 14:00-15:00

**Tuesday 22 Jan 2013: Battle of the Water Networks II: a Parallel Evolutionary Optimization Approach**

**Dr Michele Guidolin - Centre for Water Systems, University of Exeter**

Room 170 Harrison 14:00-15:00

**Monday 21 Jan 2013: Critical role of Th17 proinflammatory cytokines in skin inflammation: in vitro, ex vivo and in vivo translational models**

**Prof Jean-Claude Lecron - Universit  et CHU de Poitiers, France**

Harrison 004 15:00-16:00

**Friday 18 Jan 2013: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 18 Jan 2013: Title: Nanomechanical resonators for applied and fundamental applications**

**Dr Daniel Garcia - Laboratoire Kastler Brossel, CNRS, Paris**

HAR/170 - 3D Visualisation Suite 14:00-15:00

**Thursday 17 Jan 2013: Is Less More? Design Principles for Massively Parallel Robotic Systems**

**Dr. Roderich Gross - Department of Automatic Control and Systems Engineering, University of Sheffield**

Harrison 102 14:00-15:00

**Wednesday 16 Jan 2013: Jets on different scales: From Blazars to X-ray binaries**

**Dr Omar Jamil - Honorary Research Fellow of the University of Exeter (Met Office)**

Physics, 4th floor 14:00-15:00

**Tuesday 15 Jan 2013: Sustainable Water Services - Is universal access to safe drinking water and dignified sanitation possible?**

**Michael Rouse - Michael Rouse offers expert independent advice on water industry matters. He has extensive knowledge and experience of water governance and regulation, including all aspects of audit and enforcement, and the governance issues related to both public sector**

Room 170 Harrison 14:00-15:00

**Monday 14 Jan 2013: Interface dynamics in planar neural field models**

**Steve Coombes - University of Nottingham**

Harrison 004 15:00-16:00

**Friday 11 Jan 2013: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 11 Jan 2013: Support for Kernow Astronomers**

Darryl Sergison -

St Columb Major School in Cornwall 19:00-22:00

**Thursday 10 Jan 2013: Stargazing Live!**

Jenny Hatchell, Alex Pettitt, Hannah Wakeford -

Taunton Racecourse 17:00-22:00

**Tuesday 18 Dec 2012: Water and Environment seminar**

Professor Kapil Gupta - Department of Civil Engineering at IIT Bombay

Room 170 in the Harrison Building 14:00-15:00

**Tuesday 18 Dec 2012: A curved-space description for the dynamics of excitation waves in the heart**

Hans Dierckx - Ghent University, Belgium

Harrison 203 (room TBC) 15:00-16:00

**Monday 17 Dec 2012: Everyone's Energy**

Graphic Science -

XFi Conference Room 1 09:30-16:30

**Monday 17 Dec 2012: Elliptical flow instability triggered by magnetic field**

Prof. Konrad Bajer -

Harrison 209 12:00-13:00

**Thursday 13 Dec 2012: Tracking and Recognition of Body and Face Gestures**

**Dr. Ioannis (Yiannis) Patras - School of Electronic Engineering and Computer Science, Queen Mary, University of London**

Harrison 170 15:00-16:00

**Tuesday 11 Dec 2012: Water and Environment seminar**

**Dr Siraj Tahir - University College London**

Room 170 Harrison 14:00-15:00

**Tuesday 11 Dec 2012: Astrophysics Talk**

**Dave Acreman -**

South Somerset Astronomical Society 19:00-21:00

**Monday 10 Dec 2012: Simultaneous Con**

**Confidence Bands for Regression Analysis**

**Professor Wei Liu - School of Mathematics and S3RI, University of Southampton**

Roland Levinsky Building, Plymouth University 15:00-16:00

**Monday 10 Dec 2012: Physics & Astronomy Christmas Lecture**

**Prof Miles Padgett, University of Glasgow -**

Newman Lecture Theatre A 17:30-19:00

**Friday 07 Dec 2012: Colloquium: Focusing the power of light on cancer diagnostics: developing tools to provide minimally invasive, molecular specific disease diagnosis and monitoring**

**Prof. Nicholas Stone - University of Exeter**

Newman F 12:00-13:00

**Friday 07 Dec 2012: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Thursday 06 Dec 2012: Simulating the evolution of scroll waves in human atria**

**Sanjay Kharche - University of Exeter**

Harrison 203 14:00-15:00

**Wednesday 05 Dec 2012: Modeling the exotic atmosphere of strongly irradiated terrestrial exoplanets: runaway greenhouse and climate bistability**

**Dr Jeremy Leconte - LMD Paris**

Physics, 4th floor 14:00-15:00

**Tuesday 04 Dec 2012: South West Water  a business perspective on sustainability**

**Martin Ross - South West Water**

HAR170 14:00-15:00

**Tuesday 04 Dec 2012: Climate change and the role of the ocean**

**Prof Geoff Vallis, Princeton University -**

Streatham Court C, video linked to Daphne du Maurier Seminar Room F 17:00-18:30

**Monday 03 Dec 2012: Computational model based data integration**

**Prof Thomas Sauter - Luxembourg University**

Harrison 103 15:00-16:00

**Friday 30 Nov 2012: Colloquium: Local probe investigation of spin and charge dynamics in organic semiconductors**

**Dr. Alan Drew - Queen Mary University of London**

Newman F 12:00-13:00

**Friday 30 Nov 2012: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 30 Nov 2012: Astrophysics open evening support**

**Alex Pettitt, Emily Drabek -**

Westgate Science Club 18:00-20:00

**Thursday 29 Nov 2012: FMG Seminar: Electron Microscopic Investigation of Defects in Solids**

**Professor Wuzong Zhou (St Andrews) - School of Chemistry, University of St. Andrews**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Thursday 29 Nov 2012: p-adic group rings, the equivariant Tamagawa number conjecture, and noncommutative Fitting invariants**

**Henri Johnston - University of Cambridge**

Harrison 203 14:00-15:00

**Thursday 29 Nov 2012: Evolving Bayesian emulators for structured chaotic time series, with application to large climate models**

**Danny Williamson - University of Durham**

Harrison 101 14:00-15:00

**Thursday 29 Nov 2012: Emerging infections - learning from case studies**

**Professor Angela McLean, Professor of Mathematical Biology, University of Oxford -**

Old Chapel Lecture Theatre, Cornwall Campus / videolinked to Harrison 332 13:00-14:00

**Wednesday 28 Nov 2012: Magnetism in young stars: origin and impact on their evolution and environment**

**Dr Nicolas Bessolaz - University of Exeter**

Physics, 4th floor 14:00-15:00

**Tuesday 27 Nov 2012: Water & Environment Seminar**

TBA -

HAR170 14:00-15:00

**Monday 26 Nov 2012: Inspiring Science - From the Big Bang to Extrasolar Planets**

**Professor Gilles Chabrier -**

Harrison 004 17:30-19:00

**Friday 23 Nov 2012: Colloquium: Metamaterial surfaces for organic sensing and some thoughts on graphene photonics**

**Prof. Richard De La Rue - University of Glasgow**

Newman F 12:00-13:00

**Friday 23 Nov 2012: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Friday 23 Nov 2012: Exoplanets**

**Paul Anthony Wilson -**

Guernsey 09:00-17:00

**Thursday 22 Nov 2012: Initiation of excitation waves**

**Vadim Biktashev - University of Exeter**

Harrison 203 14:00-15:00

**Thursday 22 Nov 2012: Insight into Teaching Event - POSTPONED**

**Institute of Physics -**

Physics 124 14:00-16:30

**Thursday 22 Nov 2012: Initiation of Excitation Waves**

**Prof Vadim Biktashev - University of Exeter**

Harrison 203 14:00-15:00

**Wednesday 21 Nov 2012: Stellar and substellar clouds - modelling the dynamical atmospheres of low-mass dwarfs**

**Dr Derek Homeier - ENS Lyon, France**

Physics, 4th floor 14:00-15:00

**Wednesday 21 Nov 2012: Within-Subject Variance as a Predictor of Health Outcomes**

**Professor Michael Elliott - Ann Arbor University, USA**

Rolle Building Room 213, Plymouth University 15:00-16:00

**Tuesday 20 Nov 2012: Using Cellular Automata to Simulate Sewer Flow**

**Rebecca Austin - Centre for Water Systems**

HAR170 14:00-15:00

**Monday 19 Nov 2012: Poisson growth and the geometry of valleys**

**Robb McDonald - University College London**

Harrison 103 15:00-16:00

**Monday 19 Nov 2012: Don't know, can't know: communicating risk and deeper uncertainty**

**Professor David Spiegelhalter - University of Cambridge**

Laver Building Room LT6, University of Exeter 12:00-13:00

**Saturday 17 Nov 2012: IoP Festival of Physics**

**Jenny Hatchell -**

University of Plymouth 09:00-17:00

**Friday 16 Nov 2012: (Cancelled) Colloquium: Nanoplasmonics: approaching the quantum boundary, nonlinear effects, broadband biosensing and loss compensation**

**Prof. Stefan Maier - Imperial College London**

Newman F 12:00-13:00

**Friday 16 Nov 2012: Astrophysics not-staff meet**

**TBC -**

4th floor interaction area, physics tower 11:00-11:45

**Friday 16 Nov 2012: AG Dynamics Seminar: Double lattice PETs, hyperbolic geometry, and renormalization**

**Richard Schwartz - Brown University**

Poldhu room, Kay Building 14:00-15:00

**Thursday 15 Nov 2012: FMG seminar: Nanomaterials customised to demand**

**Professor Nicole Grobert (Oxford) - Department of Materials & Corpus Christi College, University of Oxford**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Thursday 15 Nov 2012: A refined version of the Grothendieck conjecture for hyperbolic curves over finite fields**

**Mohamed Saidi - University of Exeter**

Harrison 203 14:00-15:00

**Wednesday 14 Nov 2012: Formation of structures around HII regions:  
Ionization feedback from massive stars**

**Dr Pascal Tremblin - CEA Saclay, France**

Physics, 4th floor 14:00-15:00

**Tuesday 13 Nov 2012: Industrial Water Management and the Water supply &  
sanitation Technology Platform**

**Tony Sharp -**

HAR170 14:00-15:00

**Monday 12 Nov 2012: Colloquium: Collective behaviour in neural networks**

**Antonio Politi - Istituto dei Sistemi Complessi**

Harrison 103 15:00-16:00

**Friday 09 Nov 2012: Colloquium: The Physics of Galaxy Formation:  
recreating a virtual universe**

**Prof. Richard Bower - Durham University**

Newman F 12:00-13:00

**Friday 09 Nov 2012: Astrophysics not-staff meet**

**TBC -**

4th floor interaction area, physics tower 11:00-11:45

**Thursday 08 Nov 2012: Variation of fundamental groups of hyperbolic curves  
in positive characteristics.**

**Mohamed Saidi - University of Exeter**

Harrison 203 14:00-15:00

**Wednesday 07 Nov 2012: Dr Andrew McLeod**

**Dr Andrew McLeod - University of Exeter**

Physics, 4th floor 14:00-15:00

**Tuesday 06 Nov 2012: Holistic modelling of Membrane Bioreactor (MBR) Process**

**Dr Devendra Saroj - University of Surrey**

**HAR170 14:00-15:00**

**Friday 02 Nov 2012: Inspiring Science - Matter in motion: the fascination of fluid dynamics.**

**Professor Andrew Gilbert -**

**Harrison 004 17:30-19:00**

**Friday 02 Nov 2012: Colloquium: Numerical Tests of a New Theory for Magnetohydrodynamic Turbulence**

**Dr. Joanne Mason - University of Exeter**

**Newman F 12:00-13:00**

**Friday 02 Nov 2012: Astrophysics not-staff meet**

**TBC -**

**4th floor interaction area, physics tower 11:00-11:45**

**Friday 02 Nov 2012: Recycling in the Galaxy**

**Clare Dobbs -**

**BRLSI Bath 18:00-19:00**

**Thursday 01 Nov 2012: Evidence for Lunar Tidal Signature in Records of Earth's Relative Paleointensity (Taylor and Francis sponsored)**

**Prof Kieth Aldridge - York University, Canada**

**Harrison 101 14:00-15:00**

**Thursday 01 Nov 2012: Kato's local epsilon conjecture**

**Mahesh Kakde - Kings College London**

**Harrison 203 14:00-15:00**

**Thursday 01 Nov 2012: Unique Mechanical Properties of A Family of Metal-Formate Framework Materials**

**Dr Wei Li - Department of Materials Science & Metallurgy, University of Cambridge**

HAR/170 14:00-15:00

**Wednesday 31 Oct 2012: Dr Pablo Loren-Aguilar**

**Dr Pablo Loren-Aguilar - University of Exeter**

Physics, 4th floor 14:00-15:00

**Tuesday 30 Oct 2012: Does Water Sensitive Urban Design had a future in England?**

**Bob Sargent - British Hydrological Society**

HAR170 14:00-15:00

**Monday 29 Oct 2012: Persistent localised states in neural fields**

**Dr James Rankin - Neuromathcomp Project Team, INRIA Sophia-Antipolis, France**

Harrison 103 15:00-16:00

**Friday 26 Oct 2012: Colloquium: Graphene: The best material for spintronics?**

**Prof. Bart Van Wees - University of Groningen, The Netherlands**

Newman F 12:00-13:00

**Friday 26 Oct 2012: Astrophysics not-staff meet**

TBC -

4th floor interaction area, physics tower 11:00-11:45

**Thursday 25 Oct 2012: Learning Hidden Network Structures**

**Dr Iead Rezek - University of Oxford**

Harrison 203 14:00-15:00

**Thursday 25 Oct 2012: Hopf-Galois structures: non-abelian, nilpotent and soluble**

**Nigel Byott - University of Exeter**

**Harrison 101 14:00-15:00**

**Tuesday 23 Oct 2012: Domestic water demand management: implications for Mexico City**

**Ilan Adler - International Renewable Resources Institute (IRRIMexico)**

**HAR170 14:00-15:00**

**Friday 19 Oct 2012: Colloquium: SiGe based nanowire arrays for thermoelectric power generation**

**Prof. Kristel Fobelets - Imperial College London**

**Newman F 12:00-13:00**

**Friday 19 Oct 2012: Astrophysics not-staff meet**

**TBC -**

**4th floor interaction area, physics tower 11:00-11:45**

**Thursday 18 Oct 2012: Numerical Tests of a New Theory for Magnetohydrodynamic Turbulence**

**Joanne Mason - University of Exeter**

**Harrison 101 14:00-15:00**

**Thursday 18 Oct 2012: FMG Seminar: Chemical control of graphene architecture and impact on applications**

**Professor Ray Whitby (Brighton) - Nanoscience and Nanotechnology Group, Faculty of Science and Engineering, University of Brighton**

**HAR/170 (3D Visualisation Suite) 14:00-15:00**

**Thursday 18 Oct 2012: Local Galois module structure in characteristic p**

**Maria Marklove - University of Exeter**

**Harrison 203 14:00-15:00**

**Wednesday 17 Oct 2012: Nikolay Nokolov**

**Dr Nikolay Nokolov - University of Exeter**

Physics, 4th floor 14:00-15:00

**Wednesday 17 Oct 2012: Chinese Renewable Policy and Managing Low Carbon Options in China**

**Dr Xi Liang -**

DDM Seminar Room H, Tremough Campus 13:00-14:00

**Tuesday 16 Oct 2012: Low-Cost Sanitation in the 21st Century: Status Update and Continuing Challenges**

**Dr Mike Templeton - Imperial College London**

HAR170 14:00-15:00

**Friday 12 Oct 2012: Colloquium: How a little spin transfusion can help to build multi-functional magnetic nano-devices : from spin torque oscillators to multi-functional artificial synapses devices**

**Prof. Julie Grollier - Unite Mixte de Physique CNRS-Thales**

Newman F 12:00-13:00

**Friday 12 Oct 2012: The Orbital Dynamics of Old Exoplanets**

**Dr Dimitri Veras - IoA, University of Cambridge**

Physics, 4th floor 11:00-11:30

**Thursday 11 Oct 2012: Finding unstable equilibria and periodic orbits in experiments**

**Jan Sieber - University of Exeter**

Harrison 203 14:00-15:00

**Tuesday 09 Oct 2012: MAGIC Popular Lecture: Dynamics of Social perceptions, Attitudes Norms and Applications to Digital Media and Security**

**Prof Peter Grindrod - University of Reading**

Poldhu room 16:00-17:00

**Friday 05 Oct 2012: Colloquium: Rutherford in Manchester: Historical and Radio-archaeological Perspectives**

**Dr. Neil Todd - University of Manchester**

Newman F 12:00-13:00

**Friday 05 Oct 2012: Dynamics seminar: Study of Bifurcations and Competition in Phase Oscillator Network with Positive and Negative Couplings**

**Dr O Burylko - Ukraine National Academy of Sciences**

Harrison 203 14:00-15:00

**Thursday 04 Oct 2012: Cicumstellar Disk Evolution with Radiative Hydrodynamics**

**Dr Yusuke Tsukamoto - Nagoya University, Japan**

Physics, 4th floor 16:00-16:30

**Thursday 04 Oct 2012: FMG seminar: Influence of grain boundaries and ceramic/metallic interfaces on the coercivity of high performance Nd<sub>2</sub>Fe<sub>14</sub>B magnets**

**Professor Gino Hrkac (Exeter) - Engineering, CEMPS, University of Exeter**

HAR/170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 03 Oct 2012: Can We Afford Statistical Literacy?**

**David Walker and John Pullinger - Royal Statistical Society**

Rolle Building Room 213, Plymouth University 16:00-17:00

**Monday 01 Oct 2012: Bubble instabilities in constricted geometries**

**Anne Juel - University of Manchester**

Harrison 103 15:00-16:00

**Monday 01 Oct 2012: Frequency Compensation for a Class of DAE's**

**Prof Dr Carsten Trunk - TU Ilmenau, Germany**

CSM Boardroom (Tremough Campus) 16:00-17:00

**Wednesday 26 Sep 2012: Vagaries of an astronomical synchronisation: shall we jump to another paleoclimate history?**

**Bernard De Saedeleer - UCL, Belgium**

Harrison 203 11:00-12:00

**Wednesday 26 Sep 2012: An Algorithm for Variable Reduction in the Identification of Clusters of Units in Large Databases**

**Gabriella Schoier - University of Trieste, Italy**

Burbage Building BGB405 Plymouth University 15:00-17:00

**Monday 24 Sep 2012: Towards understanding the atmospheric circulation response to climate change**

**David Thompson - Colorado State University, USA**

Harrison 170 11:00-12:00

**Friday 21 Sep 2012: Popular astronomy talk**

**Paul Wilson -**

Brannel AS 19:00-21:00

**Wednesday 19 Sep 2012: Critical Transitions with a view towards Neuroscience: Analysis, Models and Numerical Continuation**

**Christian Kuehn - University of Vienna**

Newman D 12:00-13:00

**Wednesday 19 Sep 2012: Video image recognition for ecological monitoring: tracking crickets in the wild**

**Prof Richard Everson - CEMPS, University of Exeter**

Poldhu Room, Kay Building 14:00-15:00

**Wednesday 19 Sep 2012: BioImage Informatics: Where BioImaging Meets Computer Science**

**Dr Boguslaw Obara - University of Durham**

Poldhu Room, Kay Building 15:00-16:00

**Tuesday 18 Sep 2012: Sidmouth Cafe Scientifique: Our Galaxy: full of planets. full of life?**

**Nathan Mayne -**

Sidmouth Cafe Scientifique 19:00-20:00

**Friday 14 Sep 2012: IoP schools lecture**

**Dr Jennifer Hatchell -**

Penwith & Truro College, Penzance 09:00-16:00

**Thursday 13 Sep 2012: IoP schools lecture**

**Dr Jennifer Hatchell -**

Bodmin College 09:00-16:00

**Thursday 13 Sep 2012: Astrophysics talk**

**Dave Acreman -**

Torbay Astronomical Society 19:00-20:00

**Wednesday 12 Sep 2012: IoP schools lecture**

**Dr Jennifer Hatchell -**

saltash.net community school 09:00-16:00

**Tuesday 11 Sep 2012: IoP schools lecture**

**Dr Jennifer Hatchell -**

Great Torrington 09:00-16:00

**Monday 10 Sep 2012: IoP schools lecture**

**Dr Jennifer Hatchell -**

SW schools 09:00-16:00

**Monday 10 Sep 2012: IoP schools lecture**

**Dr Jennifer Hatchell - UoE**

St Luke's, Exeter 09:00-16:00

**Friday 24 Aug 2012: Negative nanoscale friction coefficients from reversible local exfoliation of graphite**

**Dr Rachel Cannara - Project Leader - Nanofabrication Research Group, Center for Nanoscale Science and Technology, National Institute of Standards and Technology (NIST), Gaithersburg, MD USA**

Harrison 170 (3D Visualisation Suite) 11:00-11:30

**Friday 24 Aug 2012: Stable Field Emission from a Nanoporous Semiconductor**

**Dr Fred Sharifi - Project Leader - Energy Research Group, National Institute of Standards and Technology (NIST), Gaithersburg, MD USA**

Harrison 170 (3D Visualisation Suite) 11:30-12:00

**Tuesday 31 Jul 2012: Relative magnitudes of uncertainty sources in assessing climate change impacts on water supply security in Adelaide, South Australia**

**Fiona Paton - University of Adelaide, South Australia**

HAR170 11:00-12:00

**Wednesday 25 Jul 2012: Searching for life on extra-solar planets - lessons from Earth history**

**Prof. Tim Lenton - University of Exeter - Geography**

Physics, 4th floor 14:00-14:30

**Tuesday 24 Jul 2012: Water & Environment Seminar**

TBC -

HAR170 14:00-15:00

**Thursday 19 Jul 2012: The radial distribution of dust species in young brown dwarf disks**

**Dr Basmah Riaz - University of Hertfordshire**

Physics, 4th floor 14:00-14:30

**Tuesday 17 Jul 2012: Water & Environment Seminar**

TBC -

HAR170 14:00-15:00

**Friday 13 Jul 2012: Creative Innovation, Manufacturing and Business workshop**

Various -

Harrison 004 10:00-17:00

**Friday 13 Jul 2012: Sustainable Materials: with both eyes open**

Dr Julian Allwood - University of Cambridge

Harrison room 170 14:00-15:00

**Wednesday 11 Jul 2012: Physics of wind-accretion in microquasars and recurrent novae**

Dr Rolf Walden - ENS Lyon

Physics, 4th floor 14:00-14:45

**Tuesday 10 Jul 2012: Water & Environment Seminar**

TBC -

HAR170 14:00-15:00

**Thursday 05 Jul 2012: Conjugate and Conditional Conjugate Bayesian Analysis of Discrete Graphical Models of Marginal Independence**

Claudia Tarantola - Department of Economics and Business Sciences, University of Pavia, Italy

Portland Square C4, Plymouth University 15:00-16:00

**Wednesday 04 Jul 2012: What's Wrong with the Accretion Disks in Quiescent Dwarf Novae?**

Dr Koji Mukai - NASA/GSFC

Physics, 4th floor 14:00-14:45

**Tuesday 03 Jul 2012: Water & Environment Seminar**

TBC -

HAR170 14:00-15:00

**Thursday 28 Jun 2012: Global dynamics of some epidemic models on complex networks**

Xinchu Fu -

Harrison 203 15:00-16:00

**Thursday 28 Jun 2012: Big Bang! SW science fair**

Dr Jenny Hatchell + team -

University tennis centre 09:00-17:00

**Wednesday 27 Jun 2012: The Supershell/Molecular cloud connection in the Milky Way and Beyond (+ Making a SPLASH with the Parkes Telescope)**

Dr Joanne Dawson - University of Tasmania

Physics, 4th floor 14:00-14:30

**Wednesday 27 Jun 2012: Pre-University Physics Course**

Dr Chris Brunt -

University of Exeter 09:00-17:00

**Tuesday 26 Jun 2012: Pre-University Physics Course**

Dr Chris Brunt -

University of Exeter 09:00-17:00

**Monday 25 Jun 2012: Astrophysics seminar**

Nathan Mayne -

Badminton School, Bristol 14:00-16:00

**Monday 25 Jun 2012: Pre-University Physics Course**

Dr Chris Brunt -

University of Exeter 09:00-17:00

**Friday 22 Jun 2012: The Mass-Luminosity Relation for Pre-Main Sequence Stars with Aperture Mask Interferometry**

**Dr Mike Ireland - Macquarie University, Sydney**

Physics, 4th floor 14:00-14:30

**Thursday 21 Jun 2012: SUSI Multiplicity Survey of Sco-Cen**

**Aaron Rizutto - Macquarie University, Sydney**

Physics, 4th floor 14:00-14:30

**Monday 18 Jun 2012: SANITAS workshop**

**Dr Chris Wood, Dr Stewart Barr, Dr Guangtao Fu -**

Harrison Building 09:00-17:00

**Thursday 14 Jun 2012: On the mixing properties of piecewise expanding maps under composition with permutations**

**Yiwei Zhang - CEMPS**

Harrison 203 15:00-16:00

**Thursday 14 Jun 2012: TBA**

**TBA -**

Harrison 170 15:00-16:00

**Monday 11 Jun 2012: Investigating a simple model of nonlinear baroclinic equilibration (Taylor and Francis sponsored)**

**Dr Gavin Esler - UCL**

Harrison 209 15:00-16:00

**Monday 11 Jun 2012: Genetic Programming - Applications and Improvements**

**Andrew Watson - City College, Plymouth**

Harrison 170 15:00-16:00

**Friday 08 Jun 2012: Colloquium: Micro and nano-plasmonics**

**Jaime Gomez Rivas - AMOLF Institute Amsterdam**

Laver LT6 12:00-13:00

**Thursday 07 Jun 2012: Maths seminar TBA**

TBA -

Harrison LT004 15:00-16:00

**Thursday 07 Jun 2012: Sparse prediction, matrix completion and first-order optimization**

**Dr. Andreas Argyriou - Toyota technological Institute at Chicago**

Harrison 170 15:00-16:00

**Wednesday 06 Jun 2012: Dr Daniel Price**

**Dr Daniel Price - Monash Centre for Astrophysics**

Physics, 4th floor 11:00-11:30

**Wednesday 06 Jun 2012: Venus transit**

**Hannah Wakeford -**

TBD 09:00-17:00

**Friday 01 Jun 2012: Colloquium: Astronomical Constraints on Planet Formation: Understanding the When, Where, and How**

**Michael R. Meyer - Zurich Institute of Technology**

Laver LT6 12:00-13:00

**Thursday 31 May 2012: Formation and Evolution of Young Star Clusters: From Whence Came the Field?**

**Prof. Michael R. Meyer - Institute for Astronomy, Department of Physics, ETH, Zurich, Switzerland**

Physics, 4th floor 14:00-14:45

**Thursday 31 May 2012: Maths seminar TBA**

TBA -

Harrison LT004 15:00-16:00

**Thursday 31 May 2012: Evolving Modularity in Robot Behaviour Using Gene Expression Programming**

**Jonathan Mwaura - University of Exeter**

Harrison 170 15:00-16:00

**Wednesday 30 May 2012: The Mechanism of Disc Disruption by a Magnetic Star (Taylor and Francis sponsored)**

**Dr Christopher Campbell - University of Newcastle**

Physics, 4th floor 14:00-14:30

**Tuesday 29 May 2012: AG Dynamics Seminar: Feedback control of patterns arising in equivariant Hopf bifurcation problems**

**Claire Postlethwaite - University of Auckland**

St Johns Room 16:00-17:00

**Monday 28 May 2012: Stability of jets in Diesel engines**

**Dr Matt Turner, University of Surrey. -**

Harrison 170 15:00-16:00

**Friday 25 May 2012: Colloquium: Quantum Dots as Tools for Quantum Information**

**Mete Atatörk - University of Cambridge**

Laver LT6 12:00-13:00

**Friday 25 May 2012: Multiphysics, Multiscale, Material Behavior in Electronic Systems**

**Professor Abhijit Dasgupta (University of Maryland) -**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Thursday 24 May 2012: Imaging pattern formation in excitable media**

**Gil Bub - University of Oxford**

Harrison 215 11:00-12:00

**Thursday 24 May 2012: CS Colloquium: Graph Spectra, Information Theory and Complex Networks**

**Prof. Edwin Hancock - University of York**

Harrison LT004 15:00-16:00

**Wednesday 23 May 2012: Smart Water Metering and Residential End Use Analysis: Recent Findings from Australia**

**Professor Rodney Stewart - Griffith University, Australia**

Harrison 004 14:00-15:00

**Monday 21 May 2012: Maths seminar TBA**

TBA -

Harrison 209 15:00-16:00

**Friday 18 May 2012: Colloquium: From Ultra-fast AFM to the Holo Assembler to 4pi AFM**

**Mervyn Miles - University of Bristol**

Laver LT6 12:00-13:00

**Thursday 17 May 2012: Maths seminar TBA**

TBA -

Harrison LT004 15:00-16:00

**Thursday 17 May 2012: Evolutionary Search for Emergence of Computational Patterns in Cellular Automata**

**Dr. Emmanuel Sapin - University of Exeter**

Harrison 170 15:00-16:00

**Thursday 17 May 2012: FMG Seminar: Carbon nanotube filter, a promising solution**

**Hamed Parham (University of Exeter) -**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 16 May 2012: Exploring the Local Universe with Massive Stars**

**Dr Ben Davies - IoA, University of Cambridge**

Physics, 4th floor 14:00-14:30

**Wednesday 16 May 2012: Nanobrick walls that stop fire and nanocomposites that could use your body heat to power your mobile phone**

**Professor Jaime Grunlan - Department of Mechanical Engineering, Texas A&M University**

Harrison Building, Room 004 17:30-19:00

**Monday 14 May 2012: Use of asymptotic limit solutions in improving weather and climate models (Taylor and Francis sponsored)**

**Dr Mike Cullen - Met Office**

Harrison 209 15:00-16:00

**Thursday 10 May 2012: Self organisation of shear flows (Taylor and Francis sponsored)**

**Dr Andrew Newton - University of Sheffield**

LT 004 15:00-16:00

**Thursday 10 May 2012: CS seminar**

TBA -

Harrison 170 15:00-16:00

**Wednesday 09 May 2012: A New Approach to the Degenerate Mass-Radius Relationship**

**Dr Jay Holberg - University of Arizona**

Physics, 4th floor 14:00-14:30

**Tuesday 08 May 2012: Dynamical singularities in online learning and adaptive delayed-feedback control**

**Asaki Saito - Future University Hakodate and JST PRESTO, Japan**

Harrison 209 14:00-15:00

**Tuesday 08 May 2012: Dr Koji Maukai**

**Dr Koji Maukai - NASA GSFC**

**Physics, 4th floor 09:00-17:00**

**Thursday 03 May 2012: Maths seminar TBA**

**TBA -**

**Harrison LT004 15:00-16:00**

**Thursday 03 May 2012: Embodied Language Learning with the Hum**

**Prof. Angelo Cangelosi - Centre for Robotics and Neural Systems, School of Computing and Mathematics, University of Plymouth**

**Harrison 170 15:00-16:00**

**Thursday 03 May 2012: FMG Seminar: New Dimensions in Energy Materials**

**Professor Duncan H. Gregory (University of Glasgow) -**

**Harrison 170 (3D Visualisation Suite) 14:00-15:00**

**Wednesday 25 Apr 2012: SportAtSchool: An Interactive Workshop for Teachers**

**Kate Richards -**

**Babbage Building, BGB111, Plymouth University 16:00-17:00**

**Wednesday 25 Apr 2012: Astronomy master class**

**Paul Wilson -**

**Tavistock College 14:00-16:00**

**Wednesday 18 Apr 2012: Dr Cyril Georgy**

**Dr Cyril Georgy - Centre de Recherche, Lyon**

**Physics, 4th floor 14:00-14:30**

**Friday 13 Apr 2012: pgr meet - Catherine Huitson**

**Catherine Huitson -**

Physics building, 4th floor 11:15-11:45

**Friday 06 Apr 2012: pgr meet - Alex Pettitt**

Alex Pettitt -

Physics building, 4th floor 11:15-11:45

**Wednesday 04 Apr 2012: Angular Momentum Loss by Stellar Winds**

Dr Sean Matt - Observatoire de Paris, Meudon

Physics, 4th floor 14:00-14:30

**Thursday 29 Mar 2012: [maths seminar TBA]**

[speaker TBA] -

107 15:00-16:00

**Thursday 29 Mar 2012: Applied Maths Seminar**

Thomas Dubos - LMD Paris

170 15:00-16:00

**Tuesday 27 Mar 2012: Workshop on Stability of Dynamical Systems**

Various - See website

Washington Singer 219 until 4pm, then Poldhu Room 10:00-17:00

**Tuesday 27 Mar 2012: Inspiring Science: My engineering life story so far!**

Sally Walters - Civil Engineer, Exeter Alumna

Harrison Building, Room 004 18:30-19:45

**Monday 26 Mar 2012: Applied maths seminar (POSTPONED)**

Gavin Esler - UCL

203 15:00-16:00

**Friday 23 Mar 2012: Colloquium: Reimagining the Future with Graphene**

Dr. Saverio Russo - University of Exeter

Newman F 12:00-13:00

**Thursday 22 Mar 2012: Pure Maths Seminar: A crystalline non-abelian criterion for the good reduction of curves**

**Minhyong Kim - University of Oxford**

203 15:00-16:00

**Thursday 22 Mar 2012: [CS seminar TBA]**

**[speaker TBA] -**

170 15:00-16:00

**Thursday 22 Mar 2012: Tracking nanoparticle entry, dilution and exchange in dynamic cell populations**

**Professor Huw Summers - Swansea University**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Tuesday 20 Mar 2012: The dark matter crisis: falsification of the current standard model of cosmology**

**Prof. Pavel Kroupa - Argelander-Institut fuer Astronomie, Universitaet Bonn**

Physics, 4th floor 11:00-11:30

**Monday 19 Mar 2012: Applied maths seminar sponsored by Taylor and Francis**

**Vasilis Archontis - University of St. Andrews**

203 15:00-16:00

**Friday 16 Mar 2012: pgr meet - NAM practice for Cameron**

**Cameron Bell -**

Physics building, 4th floor 11:15-11:45

**Friday 16 Mar 2012: Colloquium: Phase Separation and Pattern Formation in Motile Bacteria**

**Prof. Michael Cates (2009 IOP Dirac Medal) - University of Edinburgh**

Newman F 12:00-13:00

**Thursday 15 Mar 2012: Pure Maths seminar**

**Xavier Caruso - University of Rennes**

203 15:00-16:00

**Thursday 15 Mar 2012: Hypothesis Testing and Bayesian Inference: New Applications of Kernel Methods**

**Dr. Arthur Gretton - Gatsby Computational Neuroscience Unit, University College London**

Harrison 170 15:00-16:00

**Wednesday 14 Mar 2012: Sampling Households Around the World**

**Peter Wingfield-Digby -**

**Babbage Building, BGB417, Plymouth University 15:00-16:00**

**Wednesday 14 Mar 2012: NSEW 2012**

**Dr Chris Brunt -**

**University of Exeter 10:00-16:30**

**Monday 12 Mar 2012: \*\*\*\*POSTPONED\*\*\*\* MCS colloquium: Coupled Oscillators and the Mobius Group**

**Prof. Ian Stewart - University of Warwick**

Harrison 203 15:00-16:00

**Friday 09 Mar 2012: pgr meet - Principal component analysis**

**Maxime Viallet -**

**Physics building, 4th floor 11:15-11:15**

**Friday 09 Mar 2012: Colloquium: Propagation and Optical Manipulation of Bose Condensates in Semiconductor Microcavities**

**Prof. Jacqueline Bloch - Laboratory of Photonics and Nanostructures- CNRS, Marcoussis, France**

Newman F 12:00-13:00

**Thursday 08 Mar 2012: Pure Maths seminar: How big can the Riemann zeta function get?**

**Christopher Hughes - University of York**

203 15:00-16:00

**Thursday 08 Mar 2012: [CS seminar TBA]**

**[speaker TBA] -**

170 15:00-16:00

**Thursday 08 Mar 2012: Probe-based high-throughput metrology techniques**

**Dr Deepak Sahoo - University of Bristol**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 07 Mar 2012: Radius-Dependent Angular Momentum Evolution in Low-Mass Stars**

**Dr Subhanjoy Mohanty - Imperial College**

Physics, 4th floor 11:00-11:30

**Monday 05 Mar 2012: [maths seminar TBA]**

**[speaker TBA] -**

203 15:00-16:00

**Friday 02 Mar 2012: Colloquium: Nanocellulose: Properties and Applications**

**Prof. Stephen Eichhorn - University of Exeter**

Newman F 12:00-13:00

**Friday 02 Mar 2012: pgr meet - with Nathan Mayne**

**Nathan Mayne -**

Physics building, 4th floor 11:15-11:30

**Thursday 01 Mar 2012: Pure Maths Seminar**

**Andreas Langer - University of Exeter**

203 15:00-16:00

**Thursday 01 Mar 2012: Applied Maths Seminar - Julyan Cartwright**

**Julyan Cartwright - CSIC, Spain**

170 15:00-16:00

**Thursday 01 Mar 2012: Talk to Cornish Institute of Engineers**

**Matthew Bate -**

**Cornish Institute of Engineers, Camborne 19:00-22:00**

**Wednesday 29 Feb 2012: Panchromatic Surveys of Resolved Stellar Populations**

**Dr Jason Kalirai - STSci**

**Physics, 4th floor 14:00-14:30**

**Wednesday 29 Feb 2012: ExIStA Meeting**

**Various -**

**Poldhu Room, Kay Building 16:00-18:00**

**Tuesday 28 Feb 2012: Existence and stability of stationary fronts in inhomogeneous wave equations**

**Gianne Derks - University of Surrey**

**St John's Room, Kay Building 16:00-17:00**

**Tuesday 28 Feb 2012: Adaptive Mesh Refinement Simulations of Galaxies with Chemical Evolution**

**Gareth Few - Universtiy of Central Lancashire**

**Physics, 4th floor 12:00-12:30**

**Monday 27 Feb 2012: Applied Maths Seminar [title TBA]**

**Alef Sterk - University of Exeter**

203 15:00-16:00

**Friday 24 Feb 2012: pgr meet - I imagine movies and stuff!**

**Ben Ayliffe -**

Physics building, 4th floor 11:15-11:45

**Friday 24 Feb 2012: Colloquium: Superfluid states of matter: quantum mechanics on macroscopic scales**

**Dr. Natasha Berloff - University of Cambridge**

Newman F 12:00-13:00

**Thursday 23 Feb 2012: Pure Maths Seminar: Critical slope p-adic L-functions**

**David Loeffler - University of Warwick**

203 15:00-16:00

**Thursday 23 Feb 2012: Maths seminar - Iva Kavcic**

**Iva Kavcic - University of Exeter**

170 15:00-16:00

**Thursday 23 Feb 2012: CVD diamond surfaces - growth and etching**

**Dr Maria Stoikou - University of Exeter**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 22 Feb 2012: International Mother Language Day**

**Jenny Hatchell, Claire Esau, Hannah Wakeford, Darryl Sergison -**

Exeter campus 11:00-13:00

**Monday 20 Feb 2012: Single element changes in electrical networks**

**Thomas Berger - Ilmenau University of Technology, Germany**

203 15:00-16:00

**Friday 17 Feb 2012: pgr meet - Recent work of Tom Haworth**

**Thomas Haworth -**

Physics building, 4th floor 11:15-11:45

**Friday 17 Feb 2012: Colloquium: High Magnetic field studies of Graphene**

**Prof. Robin Nicholas - The University of Oxford**

Newman F 12:00-13:00

**Thursday 16 Feb 2012: Pure Maths seminar: L-functions of hyperelliptic curves**

**Tim Dokchitser - University of Bristol**

203 15:00-16:00

**Thursday 16 Feb 2012: Artistic Minimal Rendering with Lines and Blocks**

**Dr. Paul Rosin - School of Computer Science and Informatics, Cardiff University**

Harrison 170 15:00-16:00

**Wednesday 15 Feb 2012: A Planetesimal Pas de Deux or the Clash of the Titans: A Model for Collisions in Planet Formation**

**Dr Zoe Leinhardt - University of Bristol**

Physics, 4th floor 14:00-14:45

**Monday 13 Feb 2012: [maths seminar TBA]**

[speaker TBA] -

203 15:00-16:00

**Monday 13 Feb 2012: VLTI: protostellar discs, proto-planets, jets and outflows**

**Dr Stefan Kraus - University of Michigan**

Physics, 4th floor 11:30-12:00

**Friday 10 Feb 2012: pgr meet -TBC**

**Werner Schaffenberger -**

Physics building, 4th floor 11:15-11:45

**Friday 10 Feb 2012: (Cancelled) Colloquium: Astronomical Constraints on Theories of Planet Formation: Understanding the When, Where, and How**

**Prof. Michael Meyer - ETH Zurich, Switzerland**

Newman F 12:00-13:00

**Friday 10 Feb 2012: Stargazing Live!**

**Tim Naylor, Nawal Husnoo, Paul Wilson -**

St Luke's school 18:00-22:00

**Thursday 09 Feb 2012: Pure Maths seminar: Reductions of local Galois representations arising from Hilbert modular forms**

**Prof Fred Diamond - Kings College London**

203 15:00-16:00

**Thursday 09 Feb 2012: [CS seminar TBA]**

**[speaker TBA] -**

170 15:00-16:00

**Thursday 09 Feb 2012: Double-gated graphene-based devices**

**Dr Monica Craciun - University of Exeter**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Monday 06 Feb 2012: [maths seminar TBA]**

**[speaker TBA] -**

203 15:00-16:00

**Friday 03 Feb 2012: pgr meet -TBC**

**Catherine Huitson -**

Physics building, 4th floor 11:15-11:15

**Friday 03 Feb 2012: pgr meet -TBC**

**Nawal Husnoo -**

Physics building, 4th floor 11:15-11:45

**Friday 03 Feb 2012: Colloquium: Vibrational Molecular Interferometry**

**Prof. Herman Offerhaus - U. of Twente, Netherlands**

Newman F 12:00-13:00

**Thursday 02 Feb 2012: Pure Maths seminar**

**Jan Nekovar - Jussieu**

203 15:00-16:00

**Thursday 02 Feb 2012: [CS seminar TBA]**

[speaker TBA] -

170 15:00-16:00

**Wednesday 01 Feb 2012: Transiting Exoplanet survey developments and Transmission Photometry of inflated Hot-Jupiters**

**Joao Bento - University of Warwick**

Physics, 4th floor 14:00-14:45

**Monday 30 Jan 2012: Maths seminar - title TBA**

**Janez Susnik - University of Exeter**

203 15:00-16:00

**Friday 27 Jan 2012: Colloquium: RF Metamaterials**

**Dr. Mike Wiltshire - Imperial College London**

Newman F 12:00-13:00

**Thursday 26 Jan 2012: Pure Maths Seminar**

**Damiano Testa - University of Warwick**

203 15:00-16:00

**Thursday 26 Jan 2012: [CS seminar TBA]**

[speaker TBA] -

170 15:00-16:00

**Thursday 26 Jan 2012: Torbay AS talk**

**Jenny Hatchell -**

Torquay Grammar School 19:30-21:00

**Wednesday 25 Jan 2012: Evolutionary Computation for Dynamic Combinatorial Optimisation Problem**

**Dr Shengxiang Yang - Department of Information Systems and Computing, Brunel University**

Harrison 170 15:30-16:30

**Wednesday 25 Jan 2012: The early stages of low-mass star formation: subsonic turbulence, isothermal filaments and a First Hydrostatic Core Candidate**

**Dr Jaime Pineda - University of Manchester**

Physics, 4th floor 14:00-14:45

**Wednesday 25 Jan 2012: Inspiring Science: Applications of Geometry and Topology**

**Professor Mitchell Berger - Lecturer in Mathematics**

Harrison 004 17:30-18:45

**Tuesday 24 Jan 2012: Rotation sets in a family of torus homeomorphisms**

**Toby Hall - University of Liverpool**

Kay Building 16:00-17:00

**Monday 23 Jan 2012: Applied Maths Seminar - Synchronization in Real Networks: Chaos, Communication and Chimeras**

**Raj Roy - Maryland**

203 15:00-16:00

**Friday 20 Jan 2012: pgr meet - Binary stars**

**Rob King -**

Physics building, 4th floor 11:15-11:45

**Thursday 19 Jan 2012: Balanced models of boundary-layer convergence**

**Bob Beare - University of Exeter**

107 15:00-16:00

**Thursday 19 Jan 2012: Weakly-supervised Joint Sentiment-Topic Detection from Text**

**Dr. Chenghua Lin - Knowledge Media Institute, The Open University**

Harrison 170 15:00-16:00

**Wednesday 18 Jan 2012: Stargazing Live!**

**Jenny Hatchell, Ben Ayliffe, Alex Pettitt, Hannah Wakeford -**

Dulverton 18:00-22:00

**Tuesday 17 Jan 2012: The Sport of Science**

**A panel of speakers, including Exeter alumni, who are involved in the Games -**

Xfi lecture theatre, Streatham campus 18:30-20:30

**Tuesday 17 Jan 2012: Stargazing Live!**

**Jenny Hatchell, Clare Esau, Rob King, Matt Browning -**

Dunster 18:00-22:00

**Monday 16 Jan 2012: A finite element shallow water model on the sphere: Model setup and grid refinement (Taylor and Francis sponsored)**

**Peter Dueben - Max Planck Institute for Meteorology, Hamburg**

203 15:00-16:00

**Monday 16 Jan 2012: Stargazing Live!**

**Jenny Hatchell, Matthew Bate, Emily Drabek, Darryl Sergison -**

Queen Elizabeth Community College, Crediton 18:00-22:00

**Thursday 12 Jan 2012: [maths seminar TBA]**

**[speaker TBA] -**

107 15:00-16:00

**Thursday 12 Jan 2012: [CS seminar TBA]**

**[speaker TBA] -**

170 15:00-16:00

**Wednesday 11 Jan 2012: Catherine Huitson & Paul Anthony Wilson**

**Catherine Huitson & Paul Anthony Wilson - University of Exeter**

Physics, 4th floor 14:00-14:45

**Tuesday 10 Jan 2012: Stakeholder engagement via immersive visualisation technologies**

**Dr David Blackwood & Dr Ruth Falconer - University of Abertay Dundee**

HAR170 14:00-15:00

**Monday 09 Jan 2012: Mixing of reactive tracers: spatial structures and the role of a delay time (Taylor and Francis Sponsored)**

**Alexandra Tzella - University of Edinburgh**

203 15:00-16:00

**Friday 16 Dec 2011: pgr meet - Exeter's galactic representative**

**Lee Summers -**

Physics building, 4th floor 11:15-11:45

**Thursday 15 Dec 2011: MCS colloquium - Dynamical invariants of group automorphisms**

**Prof. Tom Ward - University of East Anglia**

Harrison 203 15:00-16:00

**Wednesday 14 Dec 2011: Star Formation Solved?**

**Prof. Matthew Bate - University of Exeter**

Physics, 4th floor 14:00-14:45

**Tuesday 13 Dec 2011: A Methodology for Probabilistic Real -Time Forecasting  An urban Case Study**

**Jeanne-Rose Renee - University of Exeter**

**HAR170 14:00-15:00**

**Monday 12 Dec 2011: Faces & Bodies in Motion.**

**Professor Ian M. Thornton - Department of Psychology Swansea University**

**Harrison 203 15:00-16:00**

**Friday 09 Dec 2011: pgr meet - Cancelled**

**Nathan Mayne -**

**Physics building, 4th floor 11:15-11:45**

**Thursday 08 Dec 2011: Maths seminar - Radiative instability of a vortex in a stratified fluid**

**Xavier Riedinger - University of Exeter**

**Harrison 203 15:00-16:00**

**Thursday 08 Dec 2011: Development of magneto-optic diagnostic technology**

**Professor David Newman - University of Exeter**

**Harrison 170 (3D Visualisation Suite) 14:00-15:00**

**Thursday 08 Dec 2011: Impact of Climate Change on Urban Flooding: a fairy tale inspired by Hans Christian Andersen**

**Dr Ole Mark DHI, Visiting Professor - DHI Group**

**Harrison Building, Lecture Theatre 04 16:10-18:00**

**Wednesday 07 Dec 2011: Beta Autoregressive Processes: Bayesian Parameter Estimation and Model Selection**

**Dr Luciana Dalla Valle - Plymouth University**

**Roland Levinsky Building Room 208, Plymouth University 16:00-17:00**

**Tuesday 06 Dec 2011: Global Water Security: Reality or Pipedream?**

**Prof Michael Norton - Halcrow Group**

**HAR170 14:00-15:00**

**Monday 05 Dec 2011: MCS seminar - TBA**

**[presenter] -**

**Harrison 203 15:00-16:00**

**Friday 02 Dec 2011: Convection, Rotation, and Magnetism in Stars : Puzzles and Perspectives**

**Matthew Browning - University of Exeter**

**Newman F 12:00-13:00**

**Friday 02 Dec 2011: pgr meet - The colours of noise**

**Paul Wilson -**

**Physics building, 4th floor 11:15-11:45**

**Thursday 01 Dec 2011: MCS seminar - TBA**

**TBA -**

**Harrison 203 15:00-16:00**

**Wednesday 30 Nov 2011: Dr Benoit Commercon - Study of prestellar dense core collapse and fragmentation using radiation-magneto-hydrodynamics.**

**Dr Benoit Commercon - Max Planck Institute fuer Astronomie**

**Physics, 4th floor 14:00-14:45**

**Monday 28 Nov 2011: Maths seminar - Andrew Baggaley**

**Andrew Baggaley - Newcastle University**

**Harrison 203 15:00-16:00**

**Friday 25 Nov 2011: The ABC of graphene**

**Ed McCann - University of Lancaster**

**Newman F 12:00-13:00**

**Friday 25 Nov 2011: pgr meet - disk properties around low mass stars and brown dwarfs in Taurus**

**Joanna Bulger -**

Physics building, 4th floor 11:15-11:45

**Thursday 24 Nov 2011: Maths seminar - Stochastic dynamics of a polymer translocating through a nanopore**

**Johan Dubbeldam - TU Delft**

Harrison 203 15:00-16:00

**Thursday 24 Nov 2011: Integrated Optomechanics - light force devices on a chip**

**Dr Wolfram Pernice - Karlsruhe**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 23 Nov 2011: Exploratory Data Analysis and Model Criticism with Posterior Plots**

**Dr John Marriott - RSS Centre for Statistical Education**

Babbage 319, Plymouth University 16:00-17:00

**Wednesday 23 Nov 2011: Prof. John Thuburn: Numerical methods for next generation weather and climate models**

**Prof. John Thuburn - University of Exeter**

Physics, 4th floor 14:00-14:45

**Monday 21 Nov 2011: Biology as a system: why should one model biological processes**

**Najl Valeyev - University of Exeter**

Harrison 203 15:00-16:00

**Friday 18 Nov 2011: LHCb: The Beauty of the Large Hadron Collider**

**Nick Brook - University of Bristol**

Newman F 12:00-13:00

**Friday 18 Nov 2011: pgr meet - Radiative Transfer**

**Emily Drabek -**

Physics building, 4th floor 11:15-11:45

**Friday 18 Nov 2011: pgr meet -TBC**

**Cameron Bell -**

Physics building, 4th floor 11:15-11:45

**Thursday 17 Nov 2011: MCS COLLOQUIUM: Fluctuations energy harvesting: from macro to nano**

**Luca Gammaitoni - Universita di Perugia**

Harrison 203 15:00-16:00

**Thursday 17 Nov 2011: Inspiring Science - Cellulose: Sustainable and Renewable Material for Many Applications**

**Professor Steven Eichhorn - Chair of Materials Science, College of Engineering, Mathematics and Physical Sciences**

Harrison Building, Room 004 17:45-19:00

**Wednesday 16 Nov 2011: Dr Ben Ayliffe**

**Dr Ben Ayliffe - University of Exeter**

Physics, 4th floor 14:00-14:45

**Tuesday 15 Nov 2011: Maths seminar - Lagrangian dynamics and the incorporation of data into ocean models**

**Christopher K. R. T. Jones - University of North Carolina**

St John's Room, Kay Labs 16:00-17:00

**Monday 14 Nov 2011: Maths seminar - Variational approximations to homoclinic snakings in continuous and discrete systems**

**Hadi Susanto - University of Nottingham**

Harrison 203 15:00-16:00

**Monday 14 Nov 2011: Inspiring Science - Proteins and glamour: twists and turns in a physics career**

**Professor Dame Athene Donald - Professor of Experimental Physics,  
University of Cambridge**

Queen's Building, LT2 15:45-17:00

**Friday 11 Nov 2011: Virus evolution and immune response: never-ending chase**

**Igor Rouzine - Tufts University, UC San Francisco and University of Cologne**

Newman F 12:00-13:00

**Friday 11 Nov 2011: pgr meet - reduced chi squared**

**Alex Pettitt -**

Physics building, 4th floor 11:15-11:45

**Thursday 10 Nov 2011: The iCLIPS project: searching personal information archives**

**Dr. Gareth Jones - Centre for Digital Video Processing, School of Computing  
Dublin City University, Ireland**

Harrison 203 15:00-16:00

**Thursday 10 Nov 2011: Will anyone remember us? Thoughts on information loss.**

**Professor Peter Townsend - Science and Technology, University of Sussex,  
Brighton BN1 9QH, UK**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Thursday 10 Nov 2011: The iCLIPS project: searching personal information archives**

**Dr Gareth Jones - Centre for Digital Video Processing, School of Computing  
Dublin City University, Ireland**

Harrison 203 15:00-16:00

**Wednesday 09 Nov 2011: The impact of supernovae feedback on the ISM and GMCs**

**Dr Clare Dobbs - University of Exeter**

Physics, 4th floor 14:00-14:45

**Monday 07 Nov 2011: Maths seminar: Divisor sums and the sixth moment of the Riemann zeta function**

**Gihan Marasingha - University of Exeter**

Harrison 203 15:00-16:00

**Friday 04 Nov 2011: Biomacromolecule structure from linear dichroism techniques: UV-visible and Raman spectroscopy of DNA, phage and proteins**

**Alison Rodger - Warwick Centre for Analytical Sciences**

Newman F 12:00-13:00

**Friday 04 Nov 2011: Searching for the envelope-disk accretion shock**

**Dr Greg Herczeg - Max-Planck-Institut fuer extraterrestrische Physik**

Physics, 4th floor 16:15-16:45

**Thursday 03 Nov 2011: Maths seminar - Exploiting symmetries in dynamo simulations**

**Sam Jones - University of Exeter**

Harrison 203 15:00-16:00

**Thursday 03 Nov 2011: Subjective interestingness in data mining**

**Tijl De Bie - Intelligent Systems Lab, University of Bristol**

Harrison 209 15:00-16:00

**Wednesday 02 Nov 2011: Circular phase mask coronagraphy for high contrast imaging of exoplanets**

**Dr Mamadou N'Diaye - L'Observatoire Astronomique Marseille-Provence**

Physics, 4th floor 14:00-14:45

**Tuesday 01 Nov 2011: Going with the flow: taking some ink for a walk**

**Pery Burge - Artist in Residence**

Harrison 004 17:45-19:15

**Monday 31 Oct 2011: Maths seminar - Morse decompositions of nonautonomous dynamical systems**

**Martin Rasmussen - Imperial College, London**

Harrison 203 15:00-16:00

**Friday 28 Oct 2011: Using bespoke fluorescence microscopy to study the soft matter of living cells at the single molecule level**

**Mark Leake - University of Oxford**

Newman F 12:00-13:00

**Friday 28 Oct 2011: pgr meet - Meet the first years 2**

**David Amundsen, Claire Esau -**

**Physics building, 4th floor 11:15-11:45**

**Thursday 27 Oct 2011: Maths seminar (via MAGIC) Buying shares in horses - the industrial problem of betting**

**Professor Alistair Fitt - Oxford Brookes University**

**Poldhu room, Kay Labs 14:30-15:30**

**Wednesday 26 Oct 2011: Material World: Nonlinear Nanoelectromechanics**

**Professor Jari Kinaret - (Chalmers University of Technology, Sweden and Lead for the EU Graphene Flagship project)**

**XFi Lecture Theatre, XFi Building 18:15-19:00**

**Monday 24 Oct 2011: Maths seminar - Estimation using relative output information**

**Prathyush Purushothama - University of Exeter**

Harrison 203 15:00-16:00

**Friday 21 Oct 2011: Time-resolved terahertz conductivity of nanoscale materials**

**Michael Johnston - University of Oxford**

Newman F 12:00-13:00

**Friday 21 Oct 2011: pgr meet - Meet the first years**

**Darryl Sergison, Hannah Wakeford -**

**physics building, 4th floor 11:15-11:45**

**Thursday 20 Oct 2011: Maths seminar - Individual-based modelling of marine microbial ecosystems**

**Hywel Williams - University of Exeter**

**Harrison 203 15:00-16:00**

**Thursday 20 Oct 2011: Cantilevers are**

**fixed only at one end**

**Dr Leon Abelmann - University of Twente**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 19 Oct 2011: Loebner prize**

**Varied competitors -**

Harrison building 09:00-17:00

**Wednesday 19 Oct 2011: Time-dependent modelling of extrasolar planets atmospheres**

**Dr Nicolas Iro - Keele University**

Physics, 4th Floor interaction area 11:00-12:00

**Tuesday 18 Oct 2011: Maths seminar - Directed transport in a stochastic layer**

**Anatoly Neishtadt - Loughborough University**

St Johns Room, Kay Building 16:00-17:00

**Monday 17 Oct 2011: Maths seminar - Simple layer models of the Meridional Overturning Circulation (Taylor and Francis Sponsored)**

**Mike Bell - Head of Ocean Forecasting R&D, Met Office**

Harrison 203 15:00-16:00

**Friday 14 Oct 2011: Electrovariable Optofluidics and Nanoplasmonics: self-assembling, adjustable, tuneable**

**Alexei Kornyshev - Imperial College London**

Newman F 12:00-13:00

**Friday 14 Oct 2011: pgrmeet - Welcome to pgr meetings, my research**

**Thomas Haworth -**

Physics building, 4th floor 11:15-11:45

**Thursday 13 Oct 2011: CS seminar - Doing More with Less: Improving the Performance of Genetic Programming**

**Colin Johnson - University of Kent**

Harrison 203 15:00-16:00

**Thursday 13 Oct 2011: Probing size-dependent light-matter interactions and structural phase change properties with nanowires**

**Professor Ritesh Agarwal - University of Pennsylvania**

Harrison 170 (3D Visualisation Suite) 14:00-15:00

**Wednesday 12 Oct 2011: A new theory of viscous oscillating flows (Taylor and Francis sponsored)**

**Dr Vladimir Vladimirov - University of York**

H 170 16:00-17:00

**Monday 10 Oct 2011: A Naive Bayes Approach to Topic Classification in Suicide Notes**

**Irena Spasic - School of Computer Science & Informatics, Cardiff University**

Harrison 203 15:00-16:00

**Saturday 08 Oct 2011: LMS Regional Meeting and Workshop on Iwasawa Theory**

**John Coates and other speakers -**

University of Exeter 09:00-17:00

**Friday 07 Oct 2011: LMS Regional Meeting and Workshop on Iwasawa Theory**

**John Coates and other speakers -**

University of Exeter 09:00-17:00

**Thursday 06 Oct 2011: Maths seminar - Eat the specialist: Generalized models reveal stabilizing factors in food webs**

**Thilo Gross - University of Bristol**

Harrison 203 15:00-16:00

**Monday 03 Oct 2011: CS seminar - Modelling Spatial Change by Relations between Trees**

**John Stell - School of Computing, University of Leeds**

Harrison 203 15:00-16:00

**Thursday 22 Sep 2011: Future Engineers**

**Dr Gavin Tabor -**

Harrison Building 09:00-17:00

**Thursday 22 Sep 2011: Dimension Adaptiveness of the Compressive FLD Classifier**

**Dr. Ata Kaban - School of Computer Science, University of Birmingham**

Harrison 170 15:00-16:00

**Thursday 22 Sep 2011: Supporting Engineering Education**

**Fiona Lamb - Loughborough University**

Poldhu Room, Kay Building (Video Link to CSM DuMaurier B) 09:30-11:00

**Saturday 17 Sep 2011: Open Day**

**Everyone in the College -**

Streatham Campus 10:00-17:00

**Wednesday 14 Sep 2011: IET SW Region Talk**

**Nigel Overton - Plymouth City Museum & Art Gallery**

Harrison 04 18:30-20:00

**Wednesday 06 Jul 2011: Early Stages of Massive Star Formation: Extended Green Objects (EGOs) from the GLIMPSE Survey**

**Claudia Cyganowski -**

Physics, 4th floor 11:00-11:30

**Wednesday 29 Jun 2011: Planets: a minor detail or a key driver of proto-stellar disc evolution?**

**Dr. Sergei Nayakshin - University of Leicester**

Physics, 4th floor 11:00-11:45

**Wednesday 22 Jun 2011: Invariant measures with bounded variation densities for Piecewise Area Preserving Maps**

**Yiwei Zhang -**

TBC 15:00-16:00

**Tuesday 21 Jun 2011: Big Bang South West Science Fair**

**various - University of Exeter**

Peter Chalk Centre 10:00-17:00

**Wednesday 15 Jun 2011: Arthur Vigan - internal seminar**

**Arthur Vigan -**

Physics, 4th floor 11:00-11:30

**Tuesday 14 Jun 2011: Physics Open Day**

**various -**

Physics 10:00-16:00

**Friday 10 Jun 2011: New approaches to the study of the behaviour of molecules adsorbed on surfaces**

**Peter Weightman - University of Liverpool**

Newman B 12:00-13:00

**Wednesday 08 Jun 2011: Testing approximations in radiation hydrodynamics models**

**Tom Haworth -**

Physics, 4th floor 11:00-11:30

**Friday 03 Jun 2011: Insect-like flapping-wing air vehicles**

**Rafal Zbikowski - Cranfield University**

Newman B 12:00-13:00

**Wednesday 01 Jun 2011: Episodic accretion, rotation and depletion of light elements**

**Isabelle Baraffe -**

Physics, 4th floor 11:00-11:30

**Tuesday 31 May 2011: Modelling bi-directional motility on a microtubule**

**Congping Lin -**

Harrison 004 15:00-16:00

**Friday 27 May 2011: Climate tipping points: the compost-bomb instability**

**Sebastian Wieczorek - University of Exeter**

Newman B 12:00-13:00

**Friday 20 May 2011: Using sculptured EM fields for the ultrasensitive detection and characterisation of biomacromolecules**

**Malcolm Kadodwala - University of Glaskow**

Newman B 12:00-13:00

**Friday 13 May 2011: Hybrid OptoElectronics for light Harvesting and light emitting applications**

**Pavlos Lagoudakis - University of Southampton**

Newman B 12:00-13:00

**Thursday 31 Mar 2011: Journal Club**

**Eli Bressert -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Wednesday 23 Mar 2011: Quantitative spectroscopy of close binary stars**

**Dr. Kresimir Pavlovski - University of Zagreb, Croatia**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 23 Mar 2011: Quantitative spectroscopy of close binary stars**

**Dr Kresimir Pavlovski - University of Zagreb, Croatia**

Physics, 4th floor 11:00-12:00

**Thursday 17 Mar 2011: Chaotic mixing in a helix-like pipe with periodic variations in curvature and torsion**

**Mitsuaki Funakoshi - Kyoto University**

Harrison 170 14:00-15:00

**Thursday 17 Mar 2011: A Rocket to the Moon: Damp Craters or an Expensive Cannon Ball?**

**Alex Pettitt -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Wednesday 16 Mar 2011: Differential Geometric MCMC Methods**

**Prof. Mark Girolami - Department of Statistical Science, University College London**

Harrison 209 15:00-16:00

**Thursday 10 Mar 2011: Transit Timing Variations: Buy one planet, get one free!**

**Nawal Husnoo -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Thursday 03 Mar 2011: The CO-H<sub>2</sub> Conversion Factor: Molecular Cloud Chemistry**

**Lee Summers -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Wednesday 23 Feb 2011: Age spreads in star forming regions?**

**Prof. Rob Jeffries - Keele University, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 16 Feb 2011: The effect of the environment on galaxy evolution**

**Yara Jaffe - University of Nottingham, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 09 Feb 2011: Mass segregation and elongation of the starburst cluster Westerlund 1**

**Mario Gennaro - Max-Planck-Institute for Astronomy, Heidelberg, Germany**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 26 Jan 2011: Large scale dust and gas properties as seen by Planck**

**Dr. Douglas Marshall - CESR, Toulouse, France**

Physics, 4th Floor interaction area 11:00-12:00

**Friday 21 Jan 2011: Non-convergence of the critical cooling timescale for fragmentation of self-gravitating discs**

**Farzana Meru -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Thursday 13 Jan 2011: Radiative Round-Up**

**Thomas Haworth -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Wednesday 12 Jan 2011: The WASP survey for transiting extrasolar planets**

**Dr. Pierre Maxted - Keele University, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Monday 13 Dec 2010: D radiation-hydrodynamical simulations of the atmospheres of late-type stars**

**Dr. Wolfgang Hayek - University of Exeter, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Thursday 09 Dec 2010: Results of the HR 8799 debris disc system**

**Joanna Bulger -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Thursday 02 Dec 2010: Astrometric detection of a planet around VB10?**

**Robert De Rosa -**

Interaction area, 4th Floor, Physics Building 13:00-13:30

**Thursday 02 Dec 2010: Characterising the Martian Surface Layer**

**Kieren Walesby -**

Interaction area, 4th Floor, Physics Building 13:30-14:00

**Thursday 25 Nov 2010: Journal Club**

**Varied -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Thursday 25 Nov 2010: On the Spiral Structure of the Milky Way**

**Lee Summers -**

Interaction area, 4th Floor, Physics Building 13:00-14:00

**Wednesday 24 Nov 2010: Bringing molecular clouds from quiescence to birth**

**Dr. Jouni Kainulainen - Max-Planck-Institute for Astronomy, Heidelberg, Germany**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 17 Nov 2010: Science with ALMA: Capabilities and opportunities**

**Dr Anita Richards - Jodrell Bank Centre for Astrophysics, University of Manchester, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Monday 15 Nov 2010: Project 1640: an APLC IFU**

**Stephanie Hunt - IoA, University of Cambridge, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 10 Nov 2010: Nuclear Star Cluster: Structural and Kinematical Constraints on Their Formation**

**Markus Hartmann - University of Central Lancashire, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 03 Nov 2010: The most massive stars in the Universe**

**Dr. Jorick Vink - Armagh Observatory, UK**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 27 Oct 2010: The Herschel SAG-2 consortium - first results**

**Dr Brian O'Halloran - Imperial College London, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 13 Oct 2010: Photoevaporation: A dominant dispersal mechanism of discs**

**James Owen - IoA, University of Cambridge, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Monday 11 Oct 2010: Non-equilibrium Brownian coagulation of dense aerosols**

**Dr Tomasz M. Trzeciak - University of Exeter, UK**

Physics, 4th Floor interaction area 11:00-12:00

**Wednesday 29 Sep 2010: Structure of the interstellar atomic phase : the first steps toward star formation**

**Dr Marc-Antoine Miville-Deschenes - Canadian Institute for Theoretical Astrophysics, Canada**

Physics, 4th Floor interaction area 11:00-12:00

**Friday 03 Sep 2010: Chemistry in protoplanetary discs with Lyman alpha radiation and dust settling**

**Jeffrey Fogel - University of Michigan, USA**

Physics, 4th Floor interaction area 13:00-12:00

**Thursday 26 Aug 2010: A Solar Flare Flux-CME Mass Relationship: Towards assessing angular momentum loss in young solar analogues**

**Alicia Aarnio - Vanderbilt University, USA**

Physics, 4th Floor interaction area 13:00-14:00

**Thursday 15 Jul 2010: Gas Dynamics in Massive Star Forming Regions**

**Dr Pamela Klaassen - ESO, Garching, Germany**

Physics, 124 14:00-15:00

**Thursday 01 Jul 2010: Formation, Evolution and Observability of low-mass First cores**

**Kengo Tomida - NAOJ, Japan**

Physics, 4th Floor interaction area 15:30-16:30

**Wednesday 30 Jun 2010: Outflows: what they can do to their environment, what can they do for you**

**Prof Hector Arce - Yale University, USA**

Physics, 4th Floor interaction area 16:30-17:30

**Thursday 24 Jun 2010: Magnetically-channeled accretion/ejection processes in young stars and their impact on angular momentum evolution**

**Dr Jerome Bouvier - Observatoire de Grenoble, France**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 17 Jun 2010: Triggered and untriggered star formation**

**Dr Jim Dale - Astronomical Institute, AVCR, Prague, Czech Republic**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 10 Jun 2010: Deciphering the Dynamical Impact of Cold Dark Matter Sub-Structure**

**Dr Sukanya Chakrabarti - University of California - Berkeley, USA**

Physics, 4th Floor interaction area 15:30-16:30

**Wednesday 26 May 2010: 3D vortex in accretion discs: a path to planet formation?**

**Heloise Meheut - Universit  Paris Diderot, France**

Physics, 4th Floor interaction area 14:30-15:30

**Thursday 13 May 2010: Planetary Precession: Theory and Simulation**

**Dr Keke Zhang - University of Exeter, UK**

Physics, 4th Floor interaction area 14:00-15:00

**Thursday 29 Apr 2010: Star and Planet Formation: Constraints from Cluster Evolution**

**Dr. Richard Parker - University of Sheffield, UK**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 22 Apr 2010: The European Extremely Large Telescope**

**Dr Chris Evans - UK Astronomy Technology Centre**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 25 Mar 2010: Star clusters and galaxies, a common origin?**

**Dr Mark Gieles - IoA, University of Cambridge, UK**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 18 Mar 2010: Stellar Optical Interferometry: Fundamental Parameters & Stellar Surface Images**

**Dr Gerard van Belle - ESO, Garching, Germany**

Physics, 4th Floor interaction area 15:30-16:30

**Wednesday 17 Mar 2010: Resolved Debris Disks around Young Main Sequence Stars: Tracing Planets in the Dust**

**Laura Churcher - IoA, University of Cambridge, UK**

Physics, 4th Floor interaction area 12:30-13:30

**Thursday 25 Feb 2010: Mapping Southern Molecular Clouds: From Antarctica to Chile, via NSW ... and back**

**Dr Nick Tothill - University of New South Wales, Australia**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 11 Feb 2010: The early evolution of star clusters**

**Dr Simon Goodwin - University of Sheffield, UK**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 28 Jan 2010: Cosmic Magnetism and the Formation and Evolution of Interstellar Clouds and Protostellar Cores**

**Dr Matthew Kunz - University of Oxford, UK**

Physics, 4th Floor interaction area 15:30-16:30

**Tuesday 26 Jan 2010: Implicit hydrodynamic simulations of stellar convection**

**Dr Maxime Viallet - ENS-Lyon, France**

Physics, 4th Floor interaction area 15:30-16:30

**Monday 25 Jan 2010: Observation and modeling of Saturn's stratosphere**

**Sandrine Guerlet - Observatoire de Paris-Meudon**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 13 Jan 2010: The Donor Stars and Evolution of Cataclysmic Variables**

**Dr. Christian Knigge - University of Southampton, UK**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 09 Dec 2009: X-ray insights into star and planet formation**

**Prof. Eric Feigelson - Penn State University, USA**

Physics, 124 11:00-12:00

**Thursday 03 Dec 2009: Turning solar systems into the observed extrasolar planets: the potential of perturbing stars**

**Prof. Melvyn Davies - Lund Observatory, Sweden**

Physics, 4th Floor interaction area 13:00-14:00

**Wednesday 02 Dec 2009: The Role of Turbulence in the Formation of Planetary Systems**

**Prof. Hubert Klahr - Max Planck Institute for Astronomy, Heidelberg, Germany**

Physics, 4th Floor interaction area 15:30-16:30

**Thursday 19 Nov 2009: Observational studies of gas in protoplanetary disks**

**Dr. Andres Carmona Gonzalez - ISDC Astrophysics Data Centre, Geneva Observatory, Switzerland**

Physics, 4th Floor interaction area 13:00-14:00

**Thursday 29 Oct 2009: NGC 3603 Young Cluster: A Galactic Starburst and its internal dynamics**

**Boyke Rochau - Max Planck Institute for Astronomy, Heidelberg, Germany**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 15 Oct 2009: Star Formation in Cepheus - Results From The Spitzer Gould Belt Survey**

**Dr Jason Kirk - Cardiff University, UK**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 24 Sep 2009: The UKIRT Infrared Deep Sky Survey (UKIDSS)**

**Prof. Andy Lawrence - ROE, University of Edinburgh**

Physics, 4th Floor interaction area 14:00-15:00

**Thursday 17 Sep 2009: Coagulation and crystallization of silicates in protoplanetary disks: a c2d Spitzer/IRS survey**

**Johan Olofsson - Laboratoire d'Astrophysique de Grenoble, France**

Physics, 4th Floor interaction area 12:00-13:00

**Friday 04 Sep 2009: HOPS: The H<sub>2</sub>O Southern Galactic Plane Survey**

**Dr Andrew Walsh - James Cook University, Australia**

Physics, 4th Floor interaction area 12:00-13:00

**Friday 24 Jul 2009: Shell-Like Structures in the ISM: Observation Versus Simulations**

**Vojtech Sidorin - Charles University in Prague**

Physics, 4th Floor interaction area 12:00-13:00

**Friday 24 Jul 2009: The UKIRT Infrared Deep Sky Survey**

**Prof. Andy Lawrence - ROE, University of Edinburgh**

Physics, 4th floor 14:00-15:00

**Thursday 23 Jul 2009: Shell-Like Structures in the ISM: Observations Versus Simulations**

**Voytech Sidorin - Charles University, Prague**

Physics, 4th floor 12:00-00:00

**Monday 20 Jul 2009: Maximum Entropy Production in planetary atmospheres**

**Dr Tim Jupp - University of Exeter**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 01 Jul 2009: Novel Applications of High-Precision Astronomical Techniques to the Study of Binary Stars**

**Dr Shay Zucker - University of Tel Aviv**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 25 Jun 2009: Terrestrial planet formation in hot-Jupiter systems**

**Dr Martyn Fogg - Queen Mary, University of London**

Physics, 4th Floor interaction area 12:00-13:00

**Tuesday 16 Jun 2009: Heavy Element Enrichment and Core Formation in Giant Gaseous Protoplanets**

**Dr Ravit Helled - University of California**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 28 May 2009: What eclipsing binaries and transiting planets tell us about stars**

**Dr Leslie Hebb - University of St. Andrews**

Physics, 4th Floor interaction area 12:00-13:00

**Tuesday 26 May 2009: Matters of contrast -- searches for exoplanets**

**Dr Fraser Clarke - University of Oxford**

Physics, 4th Floor interaction area 13:00-14:00

**Wednesday 20 May 2009: The Kinematics of Star Formation in Perseus**

**Dr Emily Curtis - Cavendish Laboratory, Cambridge**

Physics, 4th Floor interaction area 13:00-14:00

**Thursday 14 May 2009: Kelvin-Helmholz instabilities with Godunov-type SPH**

**Dr Seung-Hoon Cha - University of Leicester**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 22 Apr 2009: Radiation Thermo-chemical Models of Protoplanetary Disks**

**Dr Peter Woitke - Royal Observatory Edinburgh**

Physics, 4th Floor interaction area 14:00-15:00

**Wednesday 11 Mar 2009: Planetary microlensing: Present, Past and Future**

**Dr Nicholas Rattenbury - Jodrell Bank**

Physics, 4th Floor interaction area 13:00-14:00

**Thursday 26 Feb 2009: Astronomy 2020 - a pragmatic approach**

**Dr Matthew Graham - Caltech**

Physics, 4th Floor interaction area 13:00-14:00

**Wednesday 18 Feb 2009: Star Formation in the W3 Giant Molecular Cloud**

**Danae Polychroni - Liverpool John Moores**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 12 Feb 2009: Science from the G333 survey: Insights in the chemistry and dynamics of star formation from multi-molecular line surveys**

**Dr Maria Cunningham - University of New South Wales**

Physics, 4th floor 13:00-14:00

**Wednesday 11 Feb 2009: Life and death of Irradiated Gaseous Protoplanetary Disks**

**Dr Barbara Ercolano - Institute of Astronomy, Cambridge**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 28 Jan 2009: The Physical conditions in High Mass Pre-Protostellar Objects**

**Prof. Ren☞ Plume - University of Calgary**

Physics, 4th Floor interaction area 12:00-13:00

**Wednesday 14 Jan 2009: Peering into the cradle of Galactic Superpowers: homing in on the physics of massive star formation**

**Dr Steve Longmore - Harvard-Smithsonian CfA**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 04 Dec 2008: Direct imaging of a planet in orbit around Fomalhaut, and JWST status**

**Dr Mark Clampin - NASA Goddard Space Flight Center / JWST Observatory**

Physics, 4th floor 13:00-14:00

**Thursday 20 Nov 2008: Emission from water in protoplanetary disks**

**Dr Dieter Poelman - University of St Andrews**

Physics, 124 12:00-13:00

**Thursday 20 Nov 2008: Emission from water in protoplanetary disks**

**Dr Dieter Poelman - University of St Andrews**

Room 124 12:00-13:00

**Thursday 06 Nov 2008: The latest T dwarfs from UKIDSS**

**Dr Ben Burningham - University of Hertfordshire**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 16 Oct 2008: Gould's menagerie**

**Dr Dave Nutter - University of Cardiff**

Physics, 124 12:00-13:00

**Thursday 16 Oct 2008: Gould's menagerie**

**Dr Dave Nutter - University of Cardiff**

Room 124 12:00-13:00

**Thursday 25 Sep 2008: Star formation in the backyard of the closest super-massive black hole**

**Dr Sergei Nayakshin - University of Leicester**

Physics, 4th floor 12:00-13:00

**Monday 22 Sep 2008: The Origin and Evolution of Dust and Gas in Debris Disks**

**Dr Christine Chen - Space Telescope Science Institute**

Physics, 124 12:00-13:00

**Monday 22 Sep 2008: The Origin and Evolution of Dust and Gas in Debris Disks**

**Dr Christine Chen - Space Telescope Science Institute**

Room 124 12:00-13:00

**Thursday 18 Sep 2008: The NASA EPOXI mission of opportunity to gather ultraprecise photometry of known transiting extrasolar planets**

**Dr Jessie Christiansen - CfA Harvard**

Physics, 4th floor 11:30-12:30

**Thursday 31 Jul 2008: Smart data analysis for exoplanet studies**

**Dr Omer Tamuz - Tel Aviv University**

Physics, 4th floor 11:30-12:30

**Friday 25 Jul 2008: Star formation in the backyard of the closest super-massive black hole**

**Dr Sergei Nayakshin - University of Leicester**

Physics, 4th Floor interaction area 12:00-13:00

**Thursday 03 Jul 2008: Zeeman Doppler imaging and differential rotation in a pre- main sequence binary system**

**Dr Nick Dunstone - University of St Andrews**

Physics, 4th Floor interaction area 13:00-14:00

**Friday 13 Jun 2008: Looking for extrasolar planets at the Ice Line with a 5 micron coronagraph**

**Dr Matthew Kenworthy - Steward Observatory, University of Arizona**

Physics, 124 14:00-15:00

**Friday 13 Jun 2008: Looking for extrasolar planets at the Ice Line with a 5 micron coronagraph**

**Dr Matthew Kenworthy - Steward Observatory, University of Arizona**

Room 124 14:00-15:00

**Thursday 12 Jun 2008: Radiative Transfer in SPH: A New Hybrid Method**

**Duncan Forgan - Institute for Astronomy, Edinburgh**

Physics, 124 12:00-13:00

**Thursday 12 Jun 2008: Radiative Transfer in SPH: A New Hybrid Method**

**Duncan Forgan - Institute for Astronomy, Edinburgh**

Room 124 12:00-13:00

**Monday 04 Feb 2008: Direct imaging of a planet in orbit around Fomalhaut,  
and JWST status**

**Dr Mark Clampin - NASA Goddard Space Flight Center / JWST Observatory  
Scientist**

**Physics, 4th Floor interaction area 13:00-14:00**