



News

General News

NSW Fresh Science Award

Dr Edward Waters, a mathematical biologist from The University of Notre Dame Australia's School of Medicine, Sydney, has been announced as a NSW Fresh Science award winner for 2016.

Fresh Science is a national competition helping early-career researchers find, and then share, their stories of discovery. As part of the award, Dr Waters brought 'science to the people' at the Fresh Science 2016 School Forum, held in Sydney on 26 July, followed by an evening event for the general public.

Dr Waters' work 'Possums: furry friend or filthy foe?' investigates the role of possums as a disease threat to humans, particularly their role in contributing and spreading water-borne diseases.

For further information, see: <http://freshscience.org.au/events/nsw> or <http://www.nd.edu.au/news/media-releases/2016/062#sthash.orph6eJvf.dpuf>.

MATRIX launch

MATRIX was launched as a joint partnership between Monash University and The University of Melbourne on 31 May. Senator the Hon. Scott Ryan was one of the speakers at the launch event in Melbourne. With increased resources now that Monash is also involved, and a revamped Advisory Board and Scientific Committee, MATRIX looks forward to a bright future. For details of the new governance arrangement, see <http://www.matrix-inst.org.au/governance/>.

Film review

The Conversation published an article (24 May 2016) by Graham Farr, concerning the recent film 'The Man Who Knew Infinity', about Srinivasa Ramanujan: <http://tinyurl.com/art-of-mathematics>.

International Collaboration: Geospatial based Environment

Call for Contribution: RMIT is the partner of the European Horizon 2020 Marie-Curie Project GEO-SAFE — Geospatial based Environment for Optimisation Systems Addressing Fire Emergencies — May 2016 to April 2020 (Main applicant University of Greenwich — 14 European partners involved). In this frame we will host visits from European partner organisations working in seven working groups. Any interested person from Australia is welcome to contribute. For further information, please contact marc.demange@rmit.edu.au and cerasela.tanasescu@rmit.edu.au.

Graduate Open Day

Monash University is holding a Maths Graduate Open Day on 8–9 September and, as this is an inaugural event, is looking for ways to get the word out to prospective postgraduate students who may be interested.

The website is located here:

<http://www.monash.edu/science/future-students/maths-open-day>.

Completed PhDs

Monash University

- Dr Jillian Dickinson, *Development of a process model for the prediction of absorbent degradation during CO₂ capture*, supervisors: Andrew Percy (Monash), Graeme Puxty (CSIRO) and Vincent Verheyen (Monash).

Queensland University of Technology

- Dr Anna Farr, *Understanding wayfinding: a Bayesian network approach*, supervisor: Kerrie Mengersen.
- Dr Ava Greenwood, *Mathematical modelling of the dilute acid pretreatment of sugarcane bagasse*, supervisor: Troy Farrell.
- Dr Gnai Musafer, *Non-linear univariate and multivariate spatial modelling and optimal design*, supervisor: Helen Thompson.
- Dr Samuel Patterson, *Optimising the operational energy efficiency of an open-pit coal mine system*, supervisor: Erhan Kozan.
- Dr Zoe Van Havre, *Bayesian estimation of the number of components in mixture and hidden Markov models: methods and applications*, supervisor: Kerrie Mengersen.

RMIT University

- Dr Taher Alzahrani, *Complex information networks: detecting community structure in bipartite networks*, supervisors: Kathy Horadam and Serdar Boztas.
- Dr Jacobien Carstens, *Topology of complex networks: models and analysis*, supervisors: Kathy Horadam and Asha Rao.
- Dr Rudaba Khan, *Fault tolerant flight control system design for unmanned aerial vehicles*, supervisors: Asha Rao, Robin Hill and Cornelis Bil.

University of Sydney

- Dr Alex Chalmers, *Mathematical modelling of atherosclerosis*, supervisor: Mary Myerscough

University of Wollongong

- Dr Nawa Alshamari, *Mathematical modelling in nanotechnology using the calculus of variations*, supervisors: J. McCoy and N. Thamwattana.

- Dr Nhat Tan Le, *Pricing American-style Parisian options*, supervisors: Song Ping Zhu, Xiaoping Lu and Wenting Chen.
 - Dr Fatemah Mofarreh, *Fully nonlinear curvature flow of axially symmetric hypersurfaces*, supervisors: J. McCoy and G. Williams.
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Awards and other achievements

RMIT University

- Miss Tian Sang, a PhD student in mathematics at the School of Sciences, RMIT, has been chosen as one of the top 200 young researchers selected worldwide to participate in the 2016 Heidelberg Laureate forum, in September 2016. Tian commenced her PhD studies at RMIT in July 2015 under the supervision of Dr Vera Roshchina and Professor Andrew Eberhard. Currently her work is focussed on structural and geometric aspects of optimisation problems.

University of Adelaide

- David Skene won the Tuck Fellowship:
<http://iwwwfb.org/Tuck/tuckrecipients.htm>.
- Elder Professor Mathai Varghese delivered the 2016 Herbert Howe lecture series on 17 May: see the link <http://www.journals.elsevier.com/journal-of-geometry-and-physics/news/mathai-varghese-to-deliver-the-herbert-howe-lecture-series> for a news report.
- Elder Professor Mathai Varghese has also been appointed (full) Editor, *Journal of Geometry and Physics*; see <http://www.journals.elsevier.com/journal-of-geometry-and-physics/editorial-board/v-mathai>.

University of Sydney

- Kamil Bulinski, a PhD student working with Sasha Fish, has been awarded a Faculty of Sciences Postgraduate Research Prize for Outstanding Academic Achievement.

University of Wollongong

- Noel Cressie has been awarded the 2016 Barnett Award by The Royal Statistical Society for excellence in environmental statistics, and he will be giving the Barnett Lecture at the RSS meeting in Manchester, UK, in September 2016. His 1993 book, *Statistics for Spatial Data*, was inducted into the Wiley Classics Library in 2015. Noel Cressie and co-authors were also awarded the 2015 Wilcoxon Award for best practical applications paper appearing in the 2014 issues of *Technometrics*.
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Appointments, departures and promotions

Monash University

- Daniel Harvey has departed, to take up a position in the Logic and Semantics Research Group at the Technical University of Berlin.

RMIT University

- Dr Vural Aksakalli has been appointed as Lecturer in Analytics with RMIT's School of Science. He comes from Istanbul Sehir University where he was an Associate Professor and Chair of the Department of Industrial Engineering. He completed his undergraduate studies in Mathematics at the Middle East Technical University in Ankara. He then completed a M.Sc. in Industrial Engineering and Operations Research at North Carolina State University. This was followed by another master's degree in Applied Mathematics and Statistics at Johns Hopkins University where he went on to also complete a Ph.D. He has diverse teaching experience and strong industrial experience having worked in technical roles for various companies in the USA for a number of years. His current research interests are in the broad areas of applied statistics, machine learning, path planning, and stochastic optimization. He has close to 40 publications in these areas.

University of Adelaide

- Visiting Professor Steve Rosenberg (pure mathematics for 10.5 months) returned at the end of June to Boston University.
- Dr Melissa Tacy (pure mathematics) departs at the end of July, to take up a contract position at ANU.

University of Sydney

- Sharon Stephen has been promoted to Level D, Associate Professor.

University of Western Australia

- Dr Kevin Murray has been promoted from Level B to Level C.
- Dr Gabriel Verret finished on 6 April 2016.

University of Wollongong

- Dr Valentina Wheeler has been appointed as Lecturer, to commence at the conclusion of her current Research Fellow position.
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New Books

Griffith University

Tularam, G.A. (2015). *Essentials of Applied Mathematics for the Sciences*. John Wiley, Australia. ISBN: 9781119922629

Conferences and Courses

Conferences and courses are listed in order of the first day.

Geometry at ANU

Venue: The Australian National University

Dates: 15–26 August 2016

Web: <https://maths-people.anu.edu.au/~alperj/geometry-at-the-anu.html>

Graduate student workshop: 15–19 August 2016

The workshop will consist of the following lecture series:

- François Charles (Paris-Sud): Divisors on varieties with trivial canonical bundle
- Emanuele Macri (Northeastern): Introduction to Bridgeland stability
- Andrew Snowden (Michigan): Introduction to representation stability
- Burt Totaro (UCLA): Algebraic cycles and birational geometry

International conference: 22–26 August 2016

The distinguished list of invited participants is now available at the website. Or email Admin.research.msi@anu.edu.au.

Professor Peter Hall workshop

Date: 5 September 2016

Venue: The Australian National University

Web: <http://maths.anu.edu.au/events/peterhall>

The Mathematical Sciences Institute (MSI) and the Research School of Finance, Actuarial Studies and Statistics (RSFAS) at The Australian National University (ANU) are organising a one-day workshop to honour and commemorate Professor Peter Hall.

We would like to commemorate Peter's many and rich contributions to statistics, to the universities at which he worked, and to science in Australia. We will also remember the professional and personal impact Peter had on all of us. To these ends, we would like to have a day of talks about Peter and his work so that we can remember and convey to a general audience his profound impacts and the ways in which he touched us.

Participants include

- Ray Chambers (University of Wollongong)
- Aurore Delaigle (University of Melbourne)
- Nick Fisher (Valuometrics)
- Jeannie Hall
- Phil Kokic (University of Wollongong)
- Michael Martin (ANU)
- David Matthews
- Don Poskitt (Monash University)
- John Robinson (University of Sydney)
- Neil Trudinger (ANU)
- Berwin Turlach (University of Western Australia)
- Matt Wand (University of Technology Sydney)
- Alan Welsh (ANU)
- Mark Westcott (CSIRO)
- Sue Wilson (ANU/University of New South Wales)

Please register at the website. Email Admin.research.msi@anu.edu.au for more information.

Topological Matter, Strings, and K-theory

Dates: 5–9 September 2016

Venue: The University of Adelaide

Web: <http://www.iga.adelaide.edu.au/workshops/WorkshopSep2016/>

For further details, please see the website or *Gazette* 43(1) p. 67.

Boden Research Conference 2016

Animal, Vegetal, Mineral? Emergence and Function of Complex Shapes in Self-Assembly and Biological Cells

Dates: 19–23 September 2016

Venue: Cave House Hotel, Yallingup, Western Australia

Web: <http://animal-vegetal-mineral.org/>

A special issue of the journal *Interface Focus LINK* will be dedicated to the themes of the conference. Participants are encouraged to propose contributions to this issue.

For further details, please see the website or *Gazette* 43(2), p. 145.

Topological Matter, Strings, K-theory and related areas

Dates: 26–30 September 2016

Venue: Adelaide

Web: <http://www.iga.adelaide.edu.au/workshops/WorkshopSep2016/>

For further details, please see the website.

ATIS 2016, the 7th International conference on Applications and Techniques in Information Security

Dates: 26–28 October 2016

Venue: CQU, Cairns

Web: <http://www.atis2016.conferences.academy/>

Deakin University and Central Queensland University are jointly organising this conference.

For further details, please see the website.

MSI Workshop on Low-Dimensional Topology & Quantum Algebra

Dates: 31 October to 4 November 2016

Venue: The Australian National University

Web: <https://tqft.net/web/conferences/Topology2016.html>

This workshop is part of the MSI's Special Year program on Algebra and Topology. Although in the past they have been viewed as separate fields, low-dimensional topology and quantum algebra have recently seen surprising interactions with the development of new topological invariants with deep connections to quantum groups and category theory. These invariants have proven to be effective tools for tackling fundamental problems in manifold and link theory, but they also have generated new research activity in algebra due to their compelling internal structure with close connections to higher categories and higher representation theory. This workshop will focus on recent advances in this developing subject, bringing together researchers from all parts of this vibrant field, and highlighting work of both established experts and exceptional young researchers from inside and outside of Australia.

A registration link will be available at the website soon. Contact Joan Licata (joan.licata@anu.edu.au) or Scott Morrison (scott.morrison@anu.edu.au) for more information.

Mathematical Methods for Applications

Date: 11–14 November 2016

Venue: Hangzhou, China

Web: <http://www.anziam.org.au/ZPAMS>

Abstracts of conference talks should be submitted through the conference registration system by 23 September 2016.

Registrations close on 1 October 2016. For further details, please see the website or *Gazette* 43(1) p. 68.

Phylomania 2016

Date: 16–18 November 2016

Venue: Hobart

Web: <http://www.maths.utas.edu.au/phylomania/phylomania2016.htm>

Organiser: Michael Charleston (michael.charleston@utas.edu.au)

This is the first call to register to attend the 8th Annual conference of the UTAS Theoretical Phylogenetics group, to be held within the School of Physical Sciences at the University of Tasmania. The meeting will bring together mathematicians and biologists to discuss current research in phylogenetics.

General registration is expected to be \$175, with a reduced rate of \$60 for students, to cover catering. To register your interest in attending please use the form on the website given above. The payment system is not yet set up but this gives you an idea of the cost.

There's also a place there for you to enter an abstract: if you do, use normal text, html, or LaTeX. If you only have a (rough!) title just now that's fine, you can update us with more information closer to the conference. You can bring a talk, or a poster, or both!

Further details and some pertinent local information can be found at the website.

International Conference on Nonlinear Partial Differential Equations

Dates: 21–25 November 2016

Venue: University of New England, School of Science and Technology

Web: <http://sydney.edu.au/science/math/su/PDESeminar/nlpde2016/>

For further details, please see the website or *Gazette* 43(1) p. 68.

Computational Techniques and Applications Conference (CTAC) 2016

Date: 27–30 November 2016

Venue: Monash (Caulfield campus)

Web: <http://www.monash.edu/ctac2016/>

Our aim is to conduct a high-quality conference on computational mathematics; scientific, technical, and industrial applications; and high-performance computing. The special themes for the meeting will include:

- Computational fluid dynamics
- Data assimilation
- Optimisation
- Inverse problems

CTAC is organised by the special interest group in computational techniques and applications of ANZIAM, the Australian and New Zealand Industrial and Applied Mathematics Division of the Australian Mathematical Society. The meetings provide an interactive forum for researchers interested in the development and use of computational methods applied to engineering, scientific and other problems. The CTAC meetings have been taking place biennially since 1981, the most recent being held in 2014 at the Mathematical Sciences Institute at the Australian National University.

Student Prizes will be awarded. These prizes are sponsored by the Modelling and Simulation Society of Australia and New Zealand.

Refereed proceedings will be published after the conference in the Electronic Supplement of the ANZIAM Journal. This will be subject to the usual rigorous ANZIAM Journal refereeing process.

Important dates:

- Early-bird registration deadline: 30 September
- Registration closing date: 18 November
- Deadline for abstract submission: 28 October

W-Algebras

Dates: Monday 28 November 2016 to Friday 2 December 2016

Venue: University of Melbourne

Web: <https://sites.google.com/site/ausrepththeory/workshop2016>

Overview

Our goal is to bring together postgraduate students, postdoctoral researchers, and faculty to participate in a week-long intensive exploration of W-algebras and related geometric and representation theoretic topics.

The workshop will be led by Tomoyuki Arakawa and Anne Moreau, renowned experts in this area. The format is roughly ‘Talbot Style’. This means that the mentors and organisers will design a series of 15–20 lectures. Several of these lectures will be given by the mentors and other experts in attendance, but the majority of talks will be given by the participants. There will also be problem sessions and time for casual discussion among the participants.

Agenda

- Day 1: Overview of theory and the goals of the workshop. Introduction to affine Lie algebras, and their representations.
- Day 2: Vertex algebras and Zhu functors, Zhu’s C_2 algebra and the canonical filtration.
- Days 3/4: BRST cohomology, quantum Hamiltonian reduction, finite and affine W-algebras
- Days 4/5: Current topics such as rationality of W-algebras, the geometry of jet schemes, and chiral differential operators on groups.

BioInfoSummer 2016

Dates: 28 November to 2 December 2016

Venue: The University of Adelaide

Web: <http://http://bis.amsi.org.au/>

For further details, please see the website or *Gazette* 43(2) p. 147.

MATRIx: Interactions between topological recursion, modularity, quantum invariants and low-dimensional topology

Dates: 28 November to 23 December 2016

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: <http://www.matrix-inst.org.au/events/interactions-between-topological-recursion-modularity-quantum-invariants-and-low-dimensional-topology/>

Associated events:

- Quantum Invariants and Low-dimensional Topology
14–17 December 2016
- Topological Recursion and Modularity
19–23 December 2016

Registration deadline: 28 October 2016.

For further details, please see the website or *Gazette* 43(1) p. 69.

Maths Fest Australia 2016

Dates: 28 November to 16 December 2016

Venue: Canberra Web: <http://maths.anu.edu.au/events/austms-meeting-2016>

Incorporating

- Advances in Ergodic Theory, Hyperbolic Dynamics, and Statistical Laws
Dates: 28 November to 2 December 2016
- 60th Annual Meeting of the Australian Mathematical Society
Dates: 5–8 December 2016
Venue: The Australian National University
- Nonlinear and Geometric Partial Differential Equations
Dates: 9–13 December 2016

Registration for all three events is now open at the website.

This will be the largest gathering of mathematicians in Australia in 2016 and will feature leading international and Australian mathematicians speaking on a broad range of topics.

Further details of these three conferences are listed individually below, in chronological order.

AustMS 2016 will be preceded on 3–4 December by the Early Career Researchers Workshop; see <https://carma.newcastle.edu.au/mcoons/ECW2016.html> for more information.

Advances in Ergodic Theory, Hyperbolic Dynamics & Statistical Laws

Dates: 28 November to 2 December 2016

Venue: ANU, Canberra

Web: <http://mathsfest.amsi.org.au/advances-ergodic-theory-hyperbolic-dynamics-statistical-laws/>

For further details, please see the website or *Gazette* 43(2) p. 148.

Workshop on Integrable Systems 2016

Dates: 1–2 December 2016

Venue: University of Sydney

Web: <http://wp.maths.usyd.edu.au/igs/workshops/integrable-systems-2016/>

The area of integrable systems lies at the boundary of mathematics and physics. Integrable systems are universal limiting models of science that are widely applicable. The field grew from observations of astonishingly well-ordered and predictable behaviour in certain models of nonlinear lattices used to describe the thermal properties of metals and led to the theory of solitons and completely integrable systems, one of the most profound advances of twentieth century mathematics. Reductions led to the Painlevé equations, which are canonical representations of integrable models in one dimension.

Organisers: Nalini Joshi, Christopher Lustrì, Milena Radnovic, Yang Shi, and Stephanie Swanson.

Register by emailing the organisers at integrable@maths.usyd.edu.au. Registrations close on 1 November 2016.

Early Career Researchers Workshop

Dates: 3–4 December

Venue: Australian Academy of Science, Canberra

Web: <https://carma.newcastle.edu.au/mcoons/ECW2016.html>

This year, the Early Career Researchers Workshop will be precede the AustMS meeting in Canberra. The theme of this year's ECW will be 'Addressing your audience'. See the website for more information.

60th Annual Meeting of the Australian Mathematical Society

Dates: 5–8 December 2016

Venue: Canberra

Web: <http://maths.anu.edu.au/events/austms-meeting-2016>

Part of Maths Fest Australia 2016, registration for the 60th annual meeting of the Australian Mathematical Society is now open. For further details, please see the website or *Gazette* 43(2) pp. 148–149.

23rd Australian Statistical Conference 2016 in conjunction with 14th Australasian Data Mining Conference (AusDM) and 9th Australian Conference on Teaching Statistics (OZCOTS)

Dates: 5–9 December 2016

Venue: Hotel Realm, Canberra

Website: www.asc2016.com.au

For further details, please see the website or *Gazette* 43(1) p. 69.

Nonlinear & Geometric Partial Differential Equations

Dates: 9–13 December

Venue: ANU, Canberra

Web: <http://research.amsi.org.au/mathsfest-australia-2016/>

For further details, please see the website or *Gazette* 43(2) p. 149.

Differential geometry, Lie theory and Low-dimensional Topology

Date: 19–21 December 2016

Venue: La Trobe University

Web: coming soon

Organising committee:

Grant Cairns (G.Cairns@latrobe.edu.au),

Ana Hinic Galic (A.HinicGalic@latrobe.edu.au)

Yuri Nikolayevsky (Y.Nikolayevsky@latrobe.edu.au).

This AMSI/AMS workshop has, provisionally, the following invited overseas speakers: Vlad Sergiescu (France), Marcel Nicolau (Spain), Alice Fialowski (Hungary), Yuri Nikonorov (Russia), Margaret McIntyre (Ghana) and potentially Hiroshi Tamaru (Japan).

We are delighted to invite you to participate in the workshop. If your colleagues or students or someone you know could be interested we will appreciate it if you can send this information to them. We will also greatly appreciate it if you could indicate your (and your students') potential interest this will help us to estimate the number of participants and to lodge a funding application to AMSI/AMS.

MATRIX: Hypergeometric motives and Calabi Yau differential equations

Dates: 8–28 January 2017

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: coming soon

Organisers: Ling Long (Louisiana State University), Masha Vlasenko (Institute of Mathematics of the Polish Academy of Sciences), Wadim Zudilin (University of Newcastle).

Selection of confirmed participants:

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- Frits Beukers (Utrecht University)
- David Broadhurst (Open University, Milton Keynes)
- Jenny Fuselier (High Point University)
- Robert Osburn (University College Dublin)
- David Roberts (University of Minnesota)
- Adriana Salerno (Bates College)
- Steven Sperber (University of Minnesota)
- Duco van Straten (Johannes Gutenberg-Universität)
- John Voight (Dartmouth College)

- Daqing Wan (University of California)
- Mark Watkins (University of Sydney)
- Noriko Yui (Queen's University)

ANZAMP 5th annual meeting

Dates: 1–3 February 2017

Venue: University of NSW

Web: <http://www.anzamp.austms.org.au/events/>

More information to come.

ANZIAM 2017

Dates: 5–9 February 2017

Venue: Hahndorf Resort, South Australia

More information to come.

HDA2017, 7th Workshop on High-Dimensional Approximation

Dates: 13–17 February 2017

Venue: UNSW

Web: <http://www.hda2017.unsw.edu.au>

Organizers: Josef Dick, Frances Kuo, Dirk Nuyens (hda2017@unsw.edu.au).

The High-Dimensional Approximation (HDA) Workshop is a series of biennial international meetings covering current research on all numerical aspects of high-dimensional problems. This seventh workshop will be held at UNSW in Sydney, with participants again welcomed from all around the world.

The scope of the seventh workshop ranges from high-dimensional approximation theory over computational methods to engineering and scientific applications. Topics include, but are not limited to,

- Sparse grid methods
- Quasi-Monte Carlo methods
- Tensor decompositions
- Polynomial chaos expansions
- Sparse approximations
- Reduced basis methods
- Multi-level methods
- Bayesian inversion
- Uncertainty quantification

Participation is open to all interested in high-dimensional computational mathematics and science.

A key feature of this workshop is that there are no parallel sessions and generally all talks will be of equal length. Participants are welcome to present work in progress and there will be time set aside for informal discussions. The number of

talks will be limited. It is not essential that everyone gives a talk. Collaborators are encouraged to coordinate and elect a representative to present joint work.

In this workshop we will honour and celebrate the 65th birthday of Professor Markus Hegland. Markus is a founding member of the HDA workshop series. He is also a well respected leader in computational mathematics and optimization in Australia. We hope to take this opportunity to engage the HDA global community with other computational mathematics groups in Australia.

To assist us with planning, please go to the website at your earliest convenience to register, especially if you are interested in giving a talk. Travel, visa and accommodation information is already available. More information about registration fee payment and abstract submission will be available on the website later in the year.

We look forward to welcoming you in Sydney!

Applied Probability @ the Rock

Dates: 17–21 April 2017

Venue: Ayers Rock Resort

Web: <http://www.maths.adelaide.edu.au/APatR/>

AP@R is an international workshop on Applied Probability, bringing together the leading researchers from around the world to share recent discoveries and begin new collaborations. It also provides the ideal opportunity to celebrate the 60th birthday of one of Australia's highly prominent Applied Probabilists, Professor Phil Pollett.

The workshop aims to showcase the full range of topics in Applied Probability, and includes particular themes of 'Networks in Queueing and Telecommunications', 'Stochastic Models in Biology' and 'Limits and Approximation'. These themes are reflected in the interests of the Keynote Speakers, who are Professor Frank Kelly, Professor Ruth Williams, Professor Andrew Barbour and Professor Erik van Doorn.

MATRIX: Integrability in Low-Dimensional Quantum Systems

Dates: July 2017

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: in preparation

Organisers: Murray Batchelor (Australian National University), Patrick Dorey (Durham University), Giuseppe Mussardo (SISSA Trieste), Chaiho Rim (Sogang University Seoul).

Selected participants:

- Zoltan Bajnok (Wigner Hungary)
- Paul Fendley (Oxford)
- Andreas Klumper (Wuppertal)
- Atsuo Kuniba (Tokyo)

- Rafael Nepomechie (Miami)
- Jorgen Rasmussen (University of Queensland)

Mathematics of Risk

Date: 20 November to 8 December 2017

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: in preparation

Organisers: Kostya Borovkov (University of Melbourne), Kais Hamza (Monash University), Masaaki Kijima (Tokyo Metropolitan University), Alex Novikov (University of Technology Sydney), Peter Taylor (The University of Melbourne).

Selection of confirmed participants:

- Sergey Foss (Heriot-Watt University)
- Yuri Kabanov (University of Franche-Comte)
- Ross Maller (Australian National University)
- Yuliya Mishura (T. Shevchenko Kiev State University)
- Marek Musiela (University of Oxford)
- Albert Shiryaev (Steklov Institute)

Tutte Centenary Retreat

Dates: 26 November to 2 December 2017

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: in preparation

Organisers: Marston Conder (University of Auckland), Graham Farr (Monash University), Dillon Mayhew (Victoria University of Wellington), Kerri Morgan (Monash University), James Oxley (Louisiana State University), Gordon Royle (University of Western Australia).

AustMS 2017

Dates: 11–14 December 2017

Venue: Macquarie University

Geometric R-matrices

Dates: 17–22 December 2017

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: in preparation

Organisers: Rick Kenyon (Brown University), Andrei Okounkov (University of Columbia), Anita Ponsaing (University of Melbourne), Paul Zinn-Justin (University of Melbourne).

Non-equilibrium systems and special functions

Dates: January 2018

Venue: University of Melbourne, Water Street, Creswick, Victoria

Web: in preparation

Organisers: Vadim Gorin (MIT), Tomohiro Sasamoto (Tokyo Institute of Technology), Ole Warnaar (University of Queensland), Michael Wheeler (University of Melbourne).

Scientific Advisors: Alexei Borodin (MIT), Peter Forrester (University of Melbourne), Atsuo Kuniba (University of Tokyo).

Vale

John Robert Blake, FIMA, C.Math

We have recently learned of the passing of John Blake, after many years of service to CSIRO, the University of Wollongong and the University of Birmingham. An obituary will appear in a subsequent issue.

Geoffrey Roy Ball OAM

With regret, we inform members of the death on 4 June of Geoffrey Roy Ball OAM at the age of 82.

Geoff was known nationally for his work as a deputy team leader with the Australian Mathematical Olympiad Committee. In ‘The Centenary History of the Mathematical Association of New South Wales’ (Reflections, Souvenir Issue, October 2010, 3–38), Graeme Cohen wrote: ‘The first editor of Reflections, Geoffrey Roy (Geoff) Ball, had taught at various state high schools before moving to Sydney University, where he was Director of First Year Studies in mathematics at the time of his retirement in 1996. For some years before then, Ball had been heavily involved with the Australian Mathematics Trust, centred at the University of Canberra, particularly with regard to the selection and training of students for the International Mathematical Olympiad.’

Visiting mathematicians

Visitors are listed in alphabetical order and details of each visitor are presented in the following format: name of visitor; home institution; dates of visit; principal field of interest; principal host institution; contact for enquiries.

Prof Fusheng Bai; Chongqing Normal University; 11 July to 16 September 2016; optimisation; FDU; Alex Kruger

Prof Rosemary Bailey; University of St Andrews; 10 September to 7 October 2016; UWA; Michael Giudici

- Thanatporn Bantaojai; Naresuan University; 22 September to 30 November 2016; optimisation; FDU; Alex Kruger
- Dr Barbara Baumeister; Universitt Bielefeld; 6–21 October 2016; UWA; Cheryl Praeger/Michael Giudici
- Dr Udo Baumgartner; 7 August to 15 September 2016; pure; USN; Jacqui Ramagge
- Panatda Boonman; Naresuan University; 22 September to 30 November 2016; optimisation; FDU; Alex Kruger
- Prof Helen Byrne; Oxford; 17 July to 18 August 2016; applied; USN; Mary Myerscough
- Prof Peter Cameron; University of St Andrews; 10 September to 7 October 2016; UWA; Michael Giudici
- Dr Brenton Clarke; Murdoch University; 20 August to 31 December 2016; UWA; Berwin Turlach
- A/Prof Ricardo Parreira da Silva; Uni of Brazil; 16 July to 6 August 2016; pure; USN; Daniel Daners
- Ms Giulia dal Verme; Università degli Studi di Milano-Bicocca, Milano, Italy; 15 September to 14 December 2016; pure; USN; Jacqui Ramagge
- Prof Aris Daniilidis; University of Chile; 17–29 July 2016; optimisation; RMIT; Vera Roshchina
- Siyi Deng; University of Science & Technology of China; 4 July to 26 August 2016; UWA; Michael Small
- Dr Wei Deng; Shanghai Maritime University, China; 15 December 2015 to 14 December 2016; optimisation; FDU; David Gao
- Prof Reimier Díaz Millán; Federal Institute of Goias, Goiania, Brazil; 1 January 2016 to 31 December 2016; optimization, variational inequality problem, inclusion problem, splitting methods; USA; Regina S. Burachik
- Asen Dontchev; Mathematical Reviews; 10–22 January 2017; optimisation; FDU; Alex Kruger
- Dr Cecile Hardouin; University of Paris at Nanterre; 25 January to 30 June 2016; spatial statistics; UOW; Noel Cressie
- Ms Tatiana Hessab; URFJ, Brazil; 1 March to 10 August 2016; UMB; David Balding
- Mr Cheng Hu; Shandong University; 20 November 2015 to 19 May 2016; statistics; USN; Qiying Wang
- Prof Jun Hu; Beijing Institute of Technology; 4–25 August 2016; pure; USN; Andrew Mathas
- Dr Genggeng Huang; Shanghai Jiao Tong University; 10 October 2015 to 9 October 2016; ANU; Xu-Jia Wang
- Mr He Huang; Peking University; 1 September 2015 to 31 August 2016; UMB; Sanming Zhou
- Mr Felix Huber; University of Stuttgart; 1 April to 1 September 2016; UMB; Professor Markus Hegland
- Prof Shereen Hussein; King's College London; 3–5 August 2016; structural equation modelling to examine the role of job demand, control and support on job satisfaction and job quitting intention among British caregivers; USQ; Shahjahan Khan

- Prof Kenji Iohara; Lyon; 14 October to 15 November 2016; pure; USN; Gus Lehrer
Prof Lancelot James; HK University of Science & Technology; 15 August to 1
September 2016; UWA; Ed Cripps; 21-28 August 2016; UMB; Nathan Ross
Dr Napsu Karmitsa; Turku University, Finland; 2 January to 24 December 2016;
optimisation; FDU; Adil Bagirov
Prof Jibin Li; Zhejiang Normal University, Jinhua, China; 25 September to 15
October 2016; SUT; nonlinear science and applications, dynamical systems;
Tonghua Zhang
A/Prof Jingjian Li; Guangxi University P.R. China; January 2016 to January 2017;
UWA; Cai Heng Li
Prof Ming Li; Zhejiang University, Hanzhou, China; 15 August to 14 September
2016; optimisation; FDU; David Gao
Dr Xia Liu; Henan Normal University, China; 1 September 2016 to 31 August
2017; SUT; applied mathematics, dynamical systems; Tonghua Zhang
A/Prof Zhi Liu; Uni of Macau; 23 July to 5 August 2016; stats; USN; Qiyang
Wang
Marco Lopez; University of Alicante; 11–26 November 2016; optimisation; FDU;
Alex Kruger
Dr Xiaojun Lu; Southeast University, China; 9 July to 25 August 2016; optimisa-
tion; FDU; David Gao
Dr Tristan Mary-Huard; UMR AgroParisTech, France; 1 April to 31 August 2016;
UMB; David Balding
Prof Walter Mazorchuk; Uppsala University, Sweden; 17–28 October 2016; pure;
USN; Andrew Mathas
Dr Jiangyan Peng; University of Electronic Science and Technology of China; 16
November 2015 to 15 November 2016; stats; USN; Qiyang Wang
Dr John Power; University of Bath; 13 July to 29 August 2016; category theory
and its applications in computer science; MQU; richard.garner@mq.edu.au
Prof Mikhail Prokopenko; School of Civil Engineering, University of Sydney; 26–
29 September 2016; UWA; Ed Cripps
Mr James Reoch; Adelaide; 3 August 2015 to 31 December 2017; applied; USN;
Peter Sehoon Kim
A/Prof Adrian Roellin; National University of Singapore; 22 August to 24 Septem-
ber 2016; UMB; Aihua Xia
Mr Landir Saviniec; University of Sao Paolo, Brazil; 1 November 2015 to 31 Oc-
tober 2016; UMB; Alysson Costa
Prof Abdelkader Sbihi; Ecole de Management de Normandie (France); 1 August to
10 September 2016; combinatorial optimisation; RMIT, GEO-SAFE project;
Marc Demange
Mr Matthieu Simon; Universite Libre De Bruxelles; 31 August to 30 September
2016; UMB; Peter Taylor
A/Prof Kaibiao Sun; Dalian University of Technology, P.R. China; August 2015
to August 2016; biological system modeling, biological cybernetics, optimiza-
tion theory; SUT; Tonghua Zhang
Ms Ying-Ying Sun; Shanghai University; 9 September 2015 to 1 September 2016;
applied; Nalini Joshi

- Mr Moritz Thon; 3 September to 25 November 2016; applied; USN; Mary Myerscough
- A/Prof Yuan Tian; Dalian University of Technology, P.R. China; August 2015 to August 2016; mathematical biology; SUT; Tonghua Zhang
- Mr Søren Vilsen; University of Aalborg, Denmark; 1 August to 31 December 2016; UMB; David Balding
- A/Prof Cristian Virdol; Yonsei University; 14 July to 29 August 2016; pure; USN; Laurentiu Paunescu
- Ms Jun Wang; University of Science and Technology of China; 1 October 2015 to 1 March 2017; ANU; Ben Andrews
- Sheng Wang; University of Science & Technology of China; 4 July to 26 August 2016; UWA; Michael Small
- Dr Yezhou Wang; University of Electronic Science and Technology of China; 1 November 2015 to 31 October 2016; MNU; Graham Farr
- Rabian Wangkeeree; Naresuan University; 22–27 September 2016; optimisation; FDU; Alex Kruger
- Prof Brett Wick; Washington University in St Louis; 2–22 August 2016; harmonic analysis and complex analysis; MQU
- Dr Jeroen Wouters; 25 February 2015 to 24 February 2017; applied; USN; Georg Gottwald
- Prof Zhiyou Wu; Chongqing Normal University; 11 July to 16 September 2016; optimisation; FDU; Alex Kruger
- Miss Fei Xie; UCLA, USA; 7–14 August 2016; UMB; Christian Haesemeyer
- Dr Ying Xu; Hefei University of Technology; 1 September 2015 to 31 August 2017; pure; USN; Ruibin Zhang
- A/Prof Hengyun Yang; Shanghai Maritime University; 16 January 2016 to 15 January 2017; pure; USN; Ruibin Zhang
- Dr Junyong Zhang; Beijing Institute of Technology; 1 September 2015 to 31 August 2016; ANU; Andrew Hassell
- Mr Yang Zhang; Uni of Science and Technology, China; 1 October 2015 to 30 September 2017; pure; USN; Ruibin Zhang
- Prof Shitao Zhang; 15–20 November 2016; pure; USN; Daniel Daners
- Mr Dengyang Zhao; Zheijiang University, Hanzhou, China; 15 August to 14 September 2016; optimisation; FDU; David Gao
- Prof Jiandong Zhao; Ludong University, China; 1 June to 30 November 2016; differential equations and mathematical biology; SUT; Tonghua Zhang
- Hui Zhou; Peking University, PRC; September 2015 to March 2017; UWA; Cheryl Praeger, Alice Devillers and Michael Giudici
- Dr Jin-Xin Zhou; Jiaotong University, China; 31 July to 14 August 2016; UMB; Sanming Zhou
- A/Prof Yong Zou; East China Normal University; 5 June to 30 August 2016; UWA; Michael Small
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