News

General News

Alf van der Poorten Travelling Fellowship

The Alf van der Poorten Travelling Fellowships aim to assist young mathematicians to travel in Australia and overseas so that they can enrich their mathematical research and initiate international collaborations. The Fellowships are awarded on the basis of academic merit and they are open to researchers in pure mathematics who graduated from in Australian university in the last two years. This fellowship is funded by the family of the late Professor Alf van der Poorten.

Applications for Alf van der Poorten Fellowship should be sent to van.der.Poorten @austms.org.au by 16 May 2013. Enquiries about the Alf van der Poorten Fellowship should be sent to the same email address. Full details about the award and the applications process can be found on the AustMS web site at http://www.austms.org.au/Alf+van+der+Poorten+Travelling+Fellowship.

Call for nominations for ICIAM Prizes for 2015

The ICIAM Prize Committee for 2015 calls for nominations for the five ICIAM Prizes to be awarded in 2015. Each ICIAM Prize has its own special character, but each one is truly international in character. Nominations are therefore welcomed from every part of the world. A nomination should take into account the specifications for a particular prize (see www.iciam.org/council/PrizeDescriptions.pdf), and should contain the following information:

- full name and address of person nominated;
- web home page if any;
- name of particular ICIAM Prize;
- proposed citation (concise statement about the outstanding contribution in fewer than 250 words);
- justification for nomination (cite nominator's reason for considering candidate to be deserving, including explanations of the scientific and practical influence of the candidate's work and publications);
- CV of the nominee;
- name and contact details of the proposer.

The deadline for nominations is 31 October 2013.

Nominations should be sent to the President of ICIAM, Barbara Keyfitz, preferably in electronic form. Nominations will be acknowledged.

ICIAM Prize committee:
Committee chair: Barbara Keyfitz
Donatella Marini (chair of Collatz Prize Subcommittee)

Felix Otto (chair of Lagrange Prize Subcommittee)
Pam Cook (chair of Maxwell Prize Subcommittee)
Takashi Kako (chair of Pioneer Prize Subcommittee)
Philippe Ciarlet (chair of Su Buchin Prize Subcommittee).

ICIAM, the International Council for Industrial and Applied Mathematics, is the world organization for applied mathematics and computational science. Its members are mathematical sciences societies based in more than 20 countries. For more information, see the Council's web page at www.iciam.org.

Monash Mathematicians in the Media

Dr Andrew Prentice featured in a story (with photo and video) about his ideas for how Saturn's largest moon Titan was formed http://www.theage.com.au/national/education/lifting-the-lid-on-a-remote-realm-20130215-2ehpd.html.

Professor Paul Cally was also in the media on with a story about the approaching peak in solar activity http://www.theage.com.au/national/education/the-sun-fires-up-20130308-2fqfq.html.

Dr Jonathan Keith featured in *The Conversation* on 24 January 2013 about how DNA can encode vast amounts of data and could be a future data storage mechanism   http://theconversation.edu.au/dna-data-storage-100-million-hours-of-hd-video-in-every-cup-11777.

Launch of the Poincaré Chair, Institut Henri Poincaré

Members may be interested in this initiative, funded by the prize for the Poincaré Conjecture.

The Poincaré Chair owes its creation and its existence for the next five years to the reward the Clay Mathematics Institute (http://www.claymath.org, CMI, Providence, Rhode Island) has reserved for the solution of the Poincaré Conjecture.

The aim of this program, started in January 2013 by the Henri Poincaré Institute (http://www.ihp.fr), is to allow young talented mathematicians to develop their skills in outstanding working conditions... just like Grigori Perelman benefited from a chair from the Miller Institute in Berkeley (California, USA) at the beginning of his career.

This research program of a six-month or one-year duration comes with a generous salary, an ideal mathematical environment in Paris, and no obligations; it is open to all thematics in mathematics.

The objective is to give young researchers on the edge of a promising international career the means to develop deep and audacious research projects, as well as to base their international recognition.

If you have any questions, please email Sylvie Lhermitte (poincarechair@ihp.fr).

For more information http://www.ihp.fr/en/PoincareChair.

Sydney University Association for Women in Mathematics

The newly formed Sydney University Association for Women in Mathematics launched on 21 March with the inaugural talk 'Life and Mathematics: A Personal Journey' by Professor Nalini Joshi (Georgina Sweet Laureate Fellow).

Maths and Stats leaves the Austin Keane Building at Wollongong

Professor Martin Bunder offers some personal reflections on the department's move from long established premises.

The Department of Mathematics, at the then Wollongong University College, moved into the ACS Building as soon as the building was completed early in 1970. Two of the mathematicians, Keith Tognetti and Martin Bunder, who moved in then, are still honorary members of staff. ACS stood for Arts-Commerce-Science and it housed all of Arts (including Education), all of Commerce and about half of Science. Arts and Commerce moved out long ago, as did Computer Science, which grew out of Maths. Thanks to its success at recruiting many locally and externally funded staff, the now School of Mathematics and Applied Statistics will unfortunately be moving from what, since 1983, has been the Austin Keane Building, to an inferior modern building which has more offices. Austin Keane, aged only 37, became the first Professor of Mathematics at Wollongong in 1964, and later the first Deputy Vice Chancellor of the University of Wollongong. He died aged only 52 in 1979. Austin also had the distinction of being the first person to do a PhD in Maths in Australia (there was one earlier one in Statistics). He was a charismatic leader, published prolifically, and successfully supervised 18 PhD and 10 research masters students. In 2007 a permanent display in honour of Austin, designed by Wollongong Creative Arts students, was set up on a ground floor, based on some of his early works on Geometry and beta functions. It is sad to have the connection between Maths and the Austin Keane Building broken. A small link will remain at this stage, through a student computer laboratory, named after former staff member Tom Horner, and the Access Grid room.

Completed PhDs

Australian National University

- Dr Sudi Mungkasi, *A study of well-balanced finite volume methods and refinement indicators for the shallow water equations*, supervisor: Stephen Roberts.

La Trobe University

- Dr Nadiya Aldhamri, *Natural dualities for quasi-varieties of semigroups*, supervisors: Marcel Jackson and Brian Davey.
- Dr Thanh Long Nguyen, *Compatible relations on logic-based algebras*, supervisors: Jane Pithkethly, Narwin Perkal and Brian Davey.

University of Melbourne

- Dr Ben Lansdell, *Understanding Bcl-2 family interactions through computational modelling*, supervisors: Kerry Landman and Terry Speed.
- Dr James Jones, *Characters of p-compact groups*, supervisors: Nora Ganter and Arun Ram.
- Dr Sam Chow, *Analytic and computational approaches to comparing the Fourier coefficients of Hecke eigenforms*, supervisor: Alex Ghitza.

University of Queensland

- Dr Will Probert, *Methods for decision theory in conservation biology*, supervisors: H. Possingham, A. Richardson and P. Baxter.

University of South Australia

- Dr Indu Bala Wadhawan, *Pickup and delivery with queueing*, Supervisors: Peter Pudney and Julia Piantadosi.
- Dr Dale Andrew Ward, *E.D.E.M. extended-domain-eigenfunction method*, supervisors: Stan Miklavcic and Bronwyn Hajek.

University of Southern Queensland

- Dr Osama Ogilat, *Steady and unsteady free surface flow past a two-dimensional stern.* supervisors: Yury Stepanyants and Dmitry Strunin.

University of Sydney

- Dr Jennifer Wilcox, *Some aspects of non parametric maximum likelihood for normal mixtures*, supervisor: Michael Stewart.

University of Western Australia

- Dr Mei Yi Tan, *Analysing human walking behaviour using dynamic optimisation*, supervisors: Leslie Jennings/Winthrop and Song Wang.

University of Wollongong

- Dr Ben Maloney, *Semigroup actions on higher rank graphs and their graph C*-algebras*, supervisors: David Pask and Iain Raeburn.
- Dr Alexandra Burden, *Zone issues in the analysis of small area health data*, supervisor: David Steel.
- Dr Diane Hindmarsh, *Small area estimation for health surveys*, supervisor: David Steel.
- Dr Jinda Kongcharoen, *Statistical explorations of gene structure and its correlation with gene expression and function*, supervisors: Yan-Xia Lin and Ren Zhang.

Awards and other achievements

Australian National University

- Dr Benjamin Andrews and Professor Andrew Hassell have been elected as Fellows of the Australian Academy of Science and will present summaries of the work for which they have been honoured at the Academy's annual three-day celebration, Science at the Shine Dome, on 29 May in Canberra.
- Alan Carey has been awarded a Hausdorf Institute Trimester Program Grant for 2014.

Flinders University

- Vladimir Gaitsgory has received an ARC Discovery Outstanding Researcher Award (DORA) for the period 2013–2015. He is Sole CI, on a project entitled Construction of near optimal oscillatory regimes in singularly perturbed control systems via solutions of Hamilton–Jacobi–Bellman inequalities.

La Trobe University

- Dr Sarah Johansen has won the The Nancy Millis PhD Excellence Prize awarded by the Faculty of Science, Technology and Engineering at La Trobe University for her thesis *Dualisability of relational structures*.

University of Adelaide

- Tom Brown, who was an AMSI summer scholarship student with Dr Ed Green and Dr Ben Binder, won the best talk prize at the Big Day In back in February for his work on agent-based modelling of cell aggregation in tissue engineering (there's a bit more info about it on the school website, www.maths.adelaide.edu.au/news/news.html).

University of Sydney

- Garth Tarr won the prize for the best student presentation at the Young Statisticians Conference 2013 in February in Melbourne.
- Theodore Vo won the TM Cherry Prize for the best student talk at the ANZIAM 2013 meeting in Newcastle, NSW.
- Darren Engwirda received an honourable mention at the ANZIAM 2013 meeting.
- Clinton Boys received the 2013 Philipp Hofflin International Research Travel Scholarship to travel to the University of Oregon.
- Rebecca Barter received the CSIRO CMIS Honours Scholarship for 2013.

Appointments, departures and promotions

Australian National University

- Dr David Smyth was appointed as Lecturer on 16 January 2013.

Flinders University

- Professor Vladimir Gaitsgory joined the School of Computer Science, Engineering and Mathematics at Flinders as a DORA Fellow. His research program will complement the activities of the Flinders Mathematical Sciences Laboratory. Vladimir is an applied mathematician with broad areas of interest in control, optimisation (operations research), dynamical systems and games theories, and their applications. His most important contributions are in the areas of singularly perturbed (SP) Markov decision processes and mathematical programming problems and in the area of SP dynamical control systems. He has authored and co-authored three research monographs and numerous papers. He has attracted a significant ARC funding to support his research.

RMIT

- In March 2013, Professor Lewi Stone joined the School of Mathematical and Geospatial Sciences as a research and innovation professor. Professor Stone comes from Tel-Aviv University, Israel, where he spent over two decades. Originally from Melbourne, Lewi Stone studied at Monash University where he obtained an Honours degree in mathematics followed by a PhD. Professor Stone has published several papers in *Nature*. Twenty-five of his numerous papers since 1995 have been cited at least 25 times (i.e. Scopus h-index = 25).He has research interests in nonlinear dynamics and biomathematics (mainly epidemiology). More details can be found at http://www.tau.ac.il/lifesci/zoology/members/lewi.htm. Professor Stone will also provide leadership to the Network Modelling Group within the Platform Technologies Research institute of RMIT University.
- Dr Kristine Lally recently resigned from RMIT Mathematics to take up an on-line teaching position in Sweden.

University of Adelaide

- Dr Joshua Ross has been promoted to Senior Lecturer.
- Matt Roughan has been promoted to Professor.
- Dr Luke Bennetts has been appointed as Lecturer in Applied Mathematics.
- Dr Ed Green has been appointed as Lecturer in Applied Mathematics.
- Dr Giang Nguyen has been appointed as Lecturer in Applied Mathematics.
- Dr Danny Stevenson has been appointed as Senior Lecturer in Pure Mathematics.

University of Melbourne

- Dr Kevin Tatur (Research Fellow) has left the University.

University of New England

- Dr Peter Dillingham joined the Discipline of Mathematics and Statistics as Lecturer in Statistics.

UNSW Canberra

- Dr Joanne Chapman (Lecturer in Statistics) left the School of Physical, Environmental and Mathematical Sciences in February 2013.

University of South Australia

- Dr Bronwyn Hajek has been appointed as Lecturer (level B, continuing) in the School.

University of Sydney

- Dr Martina Chirilus-Bruckner and Dr Andrew Papanicolaou have accepted fixed-term lectureships in Applied Mathematics and will commence in July 2013.

University of Tasmania

- Yuliya Karpievitch has joined the University.
- Des FitzGerald retired on 31 January 2013.

University of Western Australia

- John Lau has been promoted from Assistant Professor to Associate Professor.

University of Wollongong

- Dr Jiakun Liu, previously a Simons Fellow at Princeton, has joined the school as a Lecturer.
- Dr Adam Sorensen, of the University of Copenhagen, has arrived at UOW recently. He will be here for two years, funded by a Danish Research Council fellowship, to work on operator algebras associated to graphs.

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New Books

Flinders University

- Borkar, V.S., Ejov, V., Filar, J.A. and Nguyen, G.T. (2012). *Hamiltonian Cycle Problem and Markov Chains.* Springer, New York.

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Conferences and Courses

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

Analysing Random Events on a Network

Date: 17 May 2013 (2.00pm WST, 4.00pm EST)
Venue: University of Western Australia
Web: http://www.amsi.org.au/index.php/events-mainmenu/agr-events

Speaker: Professor Adrian Baddeley (CSIRO and University of Western Australia).

Spatial patterns of events that occur on a network of lines, such as traffic accidents recorded on a street network, present many challenges to a statistician. How do we know whether a particular stretch of road is a 'black spot', with a higher-than-average risk of accidents? How do we know which aspects of road design affect accident risk? These important questions cannot be answered satisfactorily using current techniques for spatial analysis. The core problem is that we need to take account of the geometry of the road network. Standard methods for spatial analysis assume that 'space' is homogeneous; they are inappropriate for point patterns on a linear network, and give fallacious results. To make progress, we must abandon some of the most cherished assumptions of spatial statistics, with far-reaching implications for statistical methodology.

The talk will describe the first few steps towards a new methodology for analysing point patterns on a linear network. Ingredients include stochastic processes, discrete graph theory and classical partial differential equations as well as statistical methodology. Examples come from ecology, criminology and neuroscience.

Incremental Network Design

Date: Tuesday 28 May 2013, 2.30pm EST
Venue: University of Newcastle
Web: http://www.amsi.org.au/index.php/events-mainmenu/agr-events

Speaker: Professor Martin Savelsbergh (University of Newcastle).

Network infrastructures are a common phenomenon. Network upgrades and expansions typically occur over time due to budget constraints. We introduce a class of incremental network design problems that allow investigation of many of the key issues related to the choice and timing of infrastructure expansions and their impact on the costs of the activities performed on that infrastructure. We examine three variants: incremental network design with shortest paths, incremental network design with maximum flows, and incremental design with minimum spanning trees. We investigate their computational complexity, we analyze the performance of natural heuristics, we derive approximation algorithms, and we study integer program formulations.

Algebraic geometry and related fields

Date: 29–31 May 2013
Venue: Australian National University, Canberra
Web: http://maths-people.anu.edu.au/~alperj/anu-algebraic-geometry.html

This local workshop will cover fields related to algebraic geometry, such as geometric representation theory, arithmetic algebraic geometry, and K-theory. If you're interested, please register at the website.

All are welcome.

Workshop: Optimisation in Industry

Date: 3–5 June 2013
Venue: Swanston Academic Building, 445 Swanston St, Melbourne
Web: http://optimisationinindustry.com

This three-day event will bring together graduate students, researchers and industry practitioners with an interest in solving industrial problems using mathematical programming techniques and algorithms.

The focus of the workshop will be on industrial problems solved successfully. The talks will clearly define the problems that had to be solved, explain their difficulty, and expose the solution 'path' (with failures and successes), concluding with the delivered product. We will also discuss how real-world problems are approached: how does one get from the initial discussions and data to a full solution and a happy customer?

Organisers
Professor Andrew Eberhard, RMIT, AMSI and AustMS Member
Professor Peter Taylor, University of Melbourne, AMSI and AustMS Member
Dr Heng-Soon Gan, University of Melbourne, AMSI Member
Dr Irina Dumitrescu, IBM Research — Australia

Cost
AMSI Members and AustMS Members: regular $150, earlybird $110.
AMSI Students from member universities and AustMS student membership:
regular $90, earlybird $60
Non-member: $200/$150
Day registration: $100

FYiMaths Workshop: Building a Network

Date: 10am to 5pm, Friday 21 June 2013
Venue: University of Melbourne, Parkville

An invitation to all academics teaching first year mathematics.

First Year in Maths (FYiMaths) is an Office of Learning and Teaching funded project involving the University of Melbourne, University of Adelaide, Curtin University and University of Sydney. The project aims to build a vibrant network of academics teaching in first year mathematics.

This workshop will be the first step in establishing the network. The purpose of this workshop is to

- Introduce the project and its aims
- Engage academics working in first year mathematics in discussion on the issues important to them and provide opportunities for networking across institutions
- Provide professional development that focuses on enhancing the importance of first year mathematics and improving understanding of new initiatives in tertiary teaching in areas such as assessment, research and publishing

The workshop is for any academic staff teaching, coordinating or directing first-year units and programs. The workshop is free and includes lunch and refreshments.

Program overview

9.30–10.00	Registration and Coffee
10.00–10.15	Welcome and Introductions: Dr Deborah King
10.15–10.30	Overview of the project and workshop
10.30–12.00	Group discussion (includes morning tea)
	• Identifying the key issues in first year mathematics
12.00–12.45	Evaluating the effectiveness of your teaching
	• Speaker to be confirmed
12.45–1.45	Lunch
1.45–3.15	MathsAssess — Assessment Workshop
	• A practical session conducted by Assoc. Prof. Cristina Varsavsky
3.15–3.45	Afternoon tea
3.45–4.30	ACDS Teaching and Learning Centre
	• Presentation by Assoc. Prof. Elizabeth Johnson
4.30–5.00	Networking and promoting your role
	• Presentation by Assoc. Prof. Manjula Sharma

To register your attendance or if you have any questions, please email Joann Cattlin (joann.cattlin@unimelb.edu.au) or call (03) 9035 8694.

About the project

This project is investigating the challenges facing academics who have some role in coordinating or managing first-year maths programs. It will examine and promote the role of first year program and subject coordinators and education specialists, and build leadership capacity by identifying characteristics of a national first year culture, providing professional development opportunities, mentorship and best or outstanding practices and support mechanisms. It will articulate the roles of first year coordinators and educators, including expectations, responsibilities and the capabilities required to effectively lead and manage complex programs of mathematical study within the diversities of degree programs including engineering, science and commerce. The outcomes of this project will provide guidance to educators at the coalface and inform tertiary departmental and faculty decision making.

The project team is Dr Deb King (University of Melbourne), Dr Adrian Koerber (University of Adelaide), Professor Jo Ward (Curtin University) and Assoc. Professor Leon Poladian (University of Sydney) and Joann Cattlin (University of Melbourne). The project commenced in November 2012.

8th Annual AMSI Winter School

Date: 24 June to 5 July 2013
Venue: University of Queensland
Web: www.amsi.org.au/WS13.php
Contact: winterschool@math.uq.edu.au

The 8th Annual AMSI Winter School is designed for postgraduate students and postdoctoral fellows in the mathematical sciences and cognate disciplines. The aim of the School is to enable participants to deepen their mathematical knowledge, and to broaden the potential for applying their mathematical knowledge.

This year's Winter School offers a number of mini-courses relating to the theme Mathematics of Planet Earth. Mini-courses in the first week are Numerical methods on GPUs, Large-scale inversion for geophysical exploration, and Dynamical systems and singular perturbation. Building on these, the second week offers mini-courses on mathematical modelling of infectious diseases, regularization of inverse problems in geomathematics, and optimisation for nature conservation.

The mini-courses will be delivered by world-leading researchers, providing a rich learning experience for postgraduate students and early-career researchers. It is also an opportunity for participants to make valuable connections with their peers at other institutions.

Category Theory 2013

Date: 7–13 July 2013
Venue: Macquarie University
Web: http://web.science.mq.edu.au/groups/coact/seminar/ct2013

Talks in areas closely related to category theory are welcome. The deadline for abstract submission is 1 May.

The deadline for the early bird rate for registration is 17 May.

This conference will be preceded by an AMSI-funded workshop on Applications of Category Theory, which is intended especially for graduate students an early career researchers.

More information about both can be found at the conference website.

Please email Steve Lack (steve.lack@mq.edu.au) to receive further announcements.

The 2013 Genetics Society of AustralAsia conference

Date: 14–17 July 2013
Venue: University of New South Wales
Web: http://conference2013.genetics.org.au

There will be a Mathematics of Planet Earth session whose focus is on Mathematical and Computational Genetics. Prof. Michael Turelli (University of California, Davis) will deliver the plenary for this session.

Michael Turelli is Distinguished Professor of Genetics at the University of California, Davis. He holds the Joel Keizer Endowed Chair in Theoretical and Computational Biology, and is affiliated with the Center for Population Biology and the Department of Ecology and Evolution at UC Davis. His research interests lie in theoretical population and quantitative genetics, speciation, and the population and evolutionary biology of Wolbachia and its hosts, especially Drosophila and disease-vector mosquitoes. His work on Wolbachia-induced cytoplasmic incompatibility is being applied in an attempt to control the spread of dengue fever (see Barton and Turelli 2011; Hoffmann *et al.* 2011). Professor Turelli has a background in mathematics (BS, UC Riverside) and biomathematics (PhD, University of Washington). He is an Elected Fellow of the American Academy of Arts and Sciences (2005). He was awarded a Guggenheim Fellowship (1986–1987) and the Miller Research Professorship at UC Berkeley (2006), and was the UC Davis Academic Senate Faculty Research Lecturer in 2012.

Registration is now open at http://conference2013.genetics.org.au/call-for-abstracts, and early-bird registration closes on Monday 13 May.

In addition to a program that will span the breadth of the extraordinary genetic research being conducted in Australia and around the world, there will be two workshops held on Sunday 14 July.

- Simon Ho from the University of Sydney will run a workshop on BEAST.
- Rod Peakall from the The Australian National University will run a workshop on GenAlEx: Genetic Analysis in Excel.

See http://conference2013.genetics.org.au/workshops for more information.

Charles Pearce Memorial Symposium

Date: 17 June 2013
Venue: School of Mathematical Sciences, University of Adelaide
Web: www.maths.adelaide.edu.au/PearceSymposium.html

This Symposium is to honour the life and work of the Elder Professor of Mathematics, Professor Charles Edward Miller Pearce. Tragically, Charles died in New Zealand on 8 June 2012. Charles was internationally known for his work on probabilistic and statistical modelling, and analysis, and he published over 300 research articles. He also successfully supervised 30 PhD students.

The program will consist mainly of technical talks, but there will also be the opportunity for brief personal comments/recollections to be shared about Charles.

Please visit the website for the details of the Symposium. Registration for the symposium is free, and is to be conducted through this webpage.

We also will organise a dinner in the evening (which will be at your own cost).

IGA/AMSI Workshop, Representation Theory and Operator Algebras

Date: 1–5 July 2013
Venue: University of Adelaide, North Terrace Campus
Web: www.iga.adelaide.edu.au/workshops/WorkshopJuly2013

This interdisciplinary workshop will be about aspects of representation theory (in the sense of Harish-Chandra), aspects of noncommutative geometry (in the sense of Alain Connes) and aspects of operator K-theory (in the sense of Gennadi Kasparov). It features the renowned speaker, Professor Nigel Higson (Penn State University).

Category Theory

Date: 7–13 July 2013
Venue: Macquarie University
Web: http://web.science.mq.edu.au/groups/coact/seminar/ct2013/

Australia New Zealand Applied Probability Workshop

Date: 8–11 July 2013
Venue: University of Queensland
Web: www.smp.uq.edu.au/people/YoniNazarathy/AUSTNZworkshop/
      2013/main.html

Organisers: Nigel Bean, Jeff Hunter, Dirk Kroese, Yoni Nazarathy, Phil Pollett, Leonardo Rojas-Nandayapa, Joshua Ross, Peter Taylor and Ilze Zidenis.

The scope includes stochastic financial models, queueing theory, actuarial science, stochastic biological models, Monte Carlo methods, inference for stochastic models, general applied probability and related fields and applications.

MPE Australia 2013

Date: 8–12 July 2013
Venue: Rydges Hotel, 186 Exhibition Street, Melbourne
Web: www.MoPE.org.au/events/2013

An MPE partner and Australian Academy of Science Elizabeth and Frederick White Conference.

The MPE Australia Conference is the key scientific event for this year's Mathematics of Planet Earth Australia program. The themes covered over the week will include earth system modelling, scientific data mining, mitigating natural disaster risk, bioinvasion and biosecurity; we will focus on how the mathematical sciences can be utilised to address the challenges faced by our planet.

To submit your abstract, go to the website above. Abstract submission closes at 5pm on Friday 31 May 2013.

For more information see the website, or see *Gazette* 40(1), pp. 72–73.

Eco-Stats Symposium: New Opportunities at the Interface between Ecology and Statistics

Date: 11–12 July 2013
Venue: University of New South Wales, Sydney
Web: www.eco-stats.unsw.edu.au/symposium.html

GAIA 2013: AMSI/AustMS Workshop on General Algebra and its Applications

Date: 15–19 July 2013
Venue: La Trobe University Franklin Street campus, Melbourne
Web: www.latrobe.edu.au/city
Email: GAIA2013@latrobe.edu.au

A conference in honour of Brian Davey's retirement and 65th birthday.

The main theme of the conference is universal algebra, its applications and neighbouring disciplines. This includes, but is not limited to, orders and lattices, semigroups, algebraic logic and model theory, algebraic methods in computer science, and so on.

Important dates
Abstract submission is now closed.

Registration (now open)
Standard registration AU$300, date 31 May, AU$350 after 31 May.
Student registration AU$100, date 31 May, AU$150 after 31 May.
AustMS/AAMSI member AU$210 date 31 May, AU$260 after 31 May.

Plenary speakers

- Libor Barto (Charles University)
- Andrei Bulatov (Simon Fraser University)
- David Clark (SUNY New Paltz)
- Igor Dolinka (University of Novi Sad)
- Peter Jipsen (Chapman University)
- Marcin Kozik (Jagiellonian University)
- Andrei Krokhin (Durham University)
- Miklos Maroti (Bolyai Institute)
- Ralph McKenzie (Vanderbilt University)
- Hilary Priestley (Oxford University)
- Mikhail Volkov (Ural Federal University)
- Ross Willard (Waterloo University)

The program will consist of talks from plenary speakers as well as shorter contributed talks. If you wish to present a contributed talk, please submit your abstract via the website by 19 April.

There will be a special edition of *Algebra Universalis* in honour of Brian Davey's 65th birthday and the conference.

Organising Committee
James East (University of Western Sydney), Marcel Jackson (La Trobe University), Tomasz Kowalski (La Trobe University), George McNulty (University of South Carolina), Todd Niven (La Trobe University).

Australian Mathematical Sciences Student Conference

Date: 15–17 July 2013
Venue: Australian National University
Web: http://maths.anu.edu.au/events/australian-mathematical-sciences-
        student-conference

The goal of the Australian Mathematical Sciences Student Conference is to bring together postgraduate and honours students in the mathematical sciences from around Australia, enabling them to communicate their work, facilitating dialogue, and encouraging collaboration, all in a friendly and informal atmosphere.

For more information, please visit the website.

First International Conference on Creative Mathematical Sciences Communication 2013 Theme: Computer Maths-Curiosity, Art, Story

Date: 2–5 August and 6–10 August 2013
Venue: Charles Darwin University
Web: www.cdu.edu.au/conference/csmaths

For more information see the website, or see *Gazette* 40(1), p. 73.

Annual Conference of the Australian Mathematical Society

Date: 30 September – 3 October 2013
Venue: University of Sydney
Web: www.maths.usyd.edu.au/u/austms2013

Registration is now open. Please visit the website.

DELTA 2013

Date: 24–29 November 2013
Venue: The Pavillion, Kiama, NSW
Web: www.delta2013.net

For further details visit the website, or see *Gazette* 40(1), p. 74.

EMAC 2013: 16th Engineering Mathematics and Applications Conference

Date: 1–4 December 2013
Venue: Queensland University of Technology, Brisbane
Web: www.emac2013.com.au

Registration is now open; abstracts can also now be submitted. As with other recent EMAC conferences, presenters will again be able to submit papers (following

the conference conclusion) for refereeing and possible inclusion in the electronic supplement of the *ANZIAM Journal*.

The website for the conference has recently been updated and includes information such as currently confirmed keynote speakers, registration costs, student support schemes and other important information.

MODSIM2013: International Congress on Modelling and Simulation

Date: 1–6 December 2013
Venue: Adelaide Convention Centre, South Australia
Web: http://mssanz.org.au/modsim2013

Due to a large number of requests, the Organising Committee has decided to extend the deadline for submission of abstracts until 30 April 2013.

Please note that everyone is required to submit a brief abstract (max 250 words) by 30 April. Once your abstract has been accepted you will have the option of writing an extended abstract or a full paper of up to seven pages. The deadline for submission of extended abstracts and full papers is 8 July, 2013. To submit an abstract for MODSIM2013 go to mssanz.org.au/rego. Click on 'Log In'. Click on 'Not a user? Create an account with this site'. Choose 'International Congress on Modelling and Simulation (MODSIM)'. Choose 'MODSIM 2013'. Fill in the form, and the most important step is to click the 'Author' checkbox near the bottom. Submit an abstract!

37ACCMCC: 37th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing

Date: 9–13 December 2013
Venue: University of Western Australia
Web: http://37accmcc.wordpress.com
Contact: Director: Professor Gordon Royle (37accmcc at uwa.edu.au)

Invited speakers include:

- Matt DeVos (Simon Fraser University)
- Graham Farr (Monash University)
- Bill Martin (Worcester Polytechnic Institute)
- Dillon Mayhew (Victoria University of Wellington)
- Primož Potočnik (University of Ljubljana)
- Dana Randall (Georgia Institute of Technology)
- Tamás Szonyi (Eötvös Loránd University)
- Nick Wormald (Monash University)

Vale

Associate Professor Neil Cameron

We are sadddened to report the passing on 30 March 2013 of Associate Professor Neil Cameron, who was Head of the (then) Department of Mathematics & Statistics prior to his retirement in December 1997. A memorial service for Neil will be held in the Religious Centre (Building 9) at the Clayton campus at Monash University at 3 pm on Thursday 9 May 2013. All members of the mathematical community are invited to attend.

Neil was known across Monash for his tireless work with students and colleagues at department, faculty and university level, as well as in the halls of residence and beyond the university. He will also be remembered as an able administrator — indeed, he was one of the first Associate Deans, being AD (Teaching) in the Faculty of Science. Along with his wife Annette, he always took a very active interest in student development. In a number of cases they assisted and cared for individual students, and guided them through their studies.

Neil had a rich academic career in mathematics and a genuine interest in student education and welfare.

A full obituary will appear in later issue of the *Gazette*.

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.

Marzieh Akbari; K.N. Toosi University of Technology, Iran; 1 March to 1 October 2013; –; UWA; Cheryl Praeger

Dr Tomoyuki Arakawa; Kyoto University; 15 April to 15 May 2013; pure; USN; Alexander Molev

Dr Tarje Bagheer; University of Copenhagen, Denmark; 14 February 2012 to 13 February 2014; –; UMB; Craig Westerland

Dr Peter Blennerhassett; University of New South Wales; 25 April to 17 May 2013; –; UWA; Andrew Bassom

Dr Mark Blyth; University of East Anglia; 4–22 August 2013; –; UWA; Andrew Bassom

Dr Chris Bowman; –; 1 to 21 May 2013; pure; USN; Andrew Mathas

Toralf Burghoff; University Jena, Germany; 2 April 2013 to 31 March 2014; –; UOM; Kostya Borovkov

Dr Yukun Cheng; Zheijiang University, PRC; 1 August 2012 to 31 July 2013; –; UMB; Sanming Zhou

Dr Kevin Coulembier; Ghent University; 16 January to 7 May 2013; pure; USN; Ruibin Zhang

Prof Naihuan Jing; North Carolina State University; 13 May to 13 June 2013; pure; USN; Alexander Molev

Dr Paul Kabaila; La Trobe University; 21 January to 21 June 2013; –; UMB; Geoff Prince/Peter Hall

Dr Lingzhou; Yangzhou University, China; 26 March to 25 September 2013; nonlinear PDE; UNE; Yihong Du

Michel Mandjes; University of Amsterdam; March to June 2013; applied probability; UQL; Dirk Kroese and Yoni Nazarathy

Paul Mortimer; Queen Mary University, London; 4 April to 11 May 2013; –; UMB; Aleks Owczarek

Dr Kok Haur Ng; University of Malaya; 1 February to 31 May 2013; stats; USN; Shelton Peiris

Xiao-Long Peng; Shanghai University; July 2012 to June 2013; –; UWA; Michael Small

Dr Balakrishna Prabhu; Laboratoire d'Analyse et d'Architecture des Systemes, Toulouse; 24 June to 13 July 2013; applied probability, telecommunications networks; UQL; Phil Pollett

Dr Piotr Pusz; Rzeszow University, Poland; 29 April to 10 May 2013; mathematical models in economy; FDU; –

Prof David Roberts; University of Minnesota; 10 June to 10 July 2013; MAGMA; USN; John Cannon

Werner Scheinhardt; University of Twente; June to July 2013; applied probability; UQ; Dirk Kroese and Yoni Nazarathy

Ms Maryam Siddiqa; University Lahore; November 2012 to June 2013; –; UWA; –

Bimal Sinha; University of Maryland; 27–29 May 2013; applied statistics; UWA; –

Dr Robert Smith?; University of Ottawa; 17 June 2013 to 30 July 2013; disease modelling; UNSW Canberra; Geoff Mercer

Xiaoran Sun; Harbin Institute of Technology; October 2012 to September 2013; –; UWA; Michael Small

Sara Taskinen; University of Jyväskylä, Finland; January to December 2013; robust multivariate analysis and applications in ecology; UNSW; David Warton

Mr Jonas Teuwen; TU Delft; 04 February 2013 to 31 Auguts 2013; analysis and geometry; ANU; Pierre Portal

Mr Thomas Trogdon; –; 28 April to 12 May 2013; applied; USN; Sheehan Olver

Prof Mingxin Wang; Harbin Institute of Technology, China; 26 March to 30 May 2013; nonlinear PDE, UNE; UNE; Yihong Du

Prof Anthony Weston; Canisius College, New York; 15 April to 30 June; functional analysis; UNSW; Ian Doust

Mr Wei Wu; UNSW; 30 July 2012 to 30 June 2015; financial maths; USN; Ben Goldys

Binzhou Xia; Peking University; 1 September 2012 to 20 March 2014; –; UWA; Cai Heng Li

Ms Ting Zhang; University of Science and Technology, China; 1 September to 31 August 2013; applied and nonlinear analysis program; ANU; Xu-Jia Wang

Assoc Prof Jin-Xin Zhou; Beijing Jiaotong University; 16 November 2013 to 16 November 2014; UWA; Cai Heng Li