



News

General News

AMSI Summer School

The 11th AMSI Summer School will be held from 7 January to 1 February 2013 at The University of Melbourne. The School is an exciting opportunity for students to improve their mathematical skills and meet other students. The program is packed with additional events—BBQs, guest lectures, a Careers Session, the annual dinner and more.

Registration for the school is now open at www.ms.unimelb.edu.au/~amsi2013. Participants are advised to register and make travel arrangements early as Melbourne is a popular destination in January.

A large number of travel and accommodation scholarships are available, please indicate whether you are applying for these when you register.

All postgraduate students (as well as staff) are welcome, even if you have attended an AMSI summer school in the past.

An extensive list of Frequently Asked Questions about the school is available at www.ms.unimelb.edu.au/~amsi2013/questions.php. For further information please contact Lee Shia Chan at amsi2013@ms.unimelb.edu.au.

AustMS Lecture Series

Volumes 21 and 22 in the AustMS Lecture Series has recently appeared, and may be purchased at a 20% discount until the end of the year. The volumes are *Lectures on Real Analysis* by Finnur Larusson and *Representations of Lie Algebras: An Introduction Through gl_n* by 2012 Australian Mathematical Society Medallist Anthony Henderson.

Go to www.cambridge.org/knowledge/discountpromotion?code=L2LORA to order. Go to www.cambridge.org/9781107608528 for more information about the books, including a look inside.

The *Gazette* has copies of both volumes available at no cost to willing reviewers.

The 2013 E.O. Tuck Medal: call for nominations

Nominations are now sought for the E.O. Tuck Medal, a mid-career award given in honour of the late Ernest Oliver Tuck, by ANZIAM, a division of the Australian Mathematical Society. The mid-career award is for outstanding research and distinguished service to the field of Applied Mathematics.

Nominations for the award can be made by any member of ANZIAM other than the nominee. A nomination should consist of a brief CV of the nominee together

with the nominee's list of publications, a one-page resumé of the significance of the nominee's research and a one-page resumé of the nominee's service contribution. Nominations should be forwarded in confidence, electronically, to Dr Robert Anderssen (Bob.Anderssen@csiro.au), Chair of the Selection Panel, by 5 November 2012.

Please note that, where necessary, the Selection Panel will consult with appropriate assessors concerning evaluation of the nominee's contribution.

For further details, including the selection criteria for the award, see the website www.anziam.org.au/The+EO+Tuck+Medal.

The 2013 J.H. Michell Medal: call for nominations

Nominations are now sought for the J.H. Michell Medal, an award given in honour of John Henry Michell, by ANZIAM, a division of the Australian Mathematical Society. The award is for outstanding new researchers in applied and/or industrial mathematics.

Nominations for the Award can be made by any member of ANZIAM other than the nominee. A nomination should consist of a brief CV of the nominee together with the nominee's list of publications and a one-page resumé of the significance of the nominee's work. Nominations for 2013 should be forwarded in confidence, electronically, in pdf format, to Professor Tony Roberts, Chair of the Selection Panel (anthony.roberts@adelaide.edu.au), by 5 November 2012.

Mathematics of Planet Earth

Mathematics of Planet Earth 2013 is an initiative of mathematical sciences organisations around the world designed to showcase the ways in which the mathematical sciences can be useful in tackling our world's problems.

One way to communicate the Mathematics of Planet Earth to a broad public will be a series of museum-quality exhibits to be shown at exhibitions, in museums or at schools. What is unique is that these modules can be prepared by everybody and are collected through a competition!

You are invited to prepare museum exhibits in different formats—images, films, programs—or to design physical exhibits, and submit them to the competition. The best modules will be awarded and shown by our partner museums in 2013.

The submitted modules will also form the basis of a virtual exhibition that will be hosted through the IMAGINARY project by the Mathematisches Forschungsinstitut Oberwolfach (MFO), an international research center based in the Black Forest of Germany. The technical requirements are given on the Format of Modules page.

Prize winners will be selected by an international jury nominated by the partners running the competition. The first, second and third prize winners will receive US\$5000, US\$3000 and US\$2000 respectively.

See www.imaginary-exhibition.com/mpe2013/MPE2013/MPE2013-competition.html.

Completed PhDs

Griffith University

- Dr Victor Wong, *The effect of portfolio performance on diversification and socially responsible investments*, supervisors: Gurudeo Anand Tularam and Eduardo Roca.
- Dr Svetlanta Vlady, *The value relevance of weather, climate change and greenhouse gas emissions: evidence from Australian oil and gas*, supervisors: Gurudeo Anand Tularam and Eduardo Roca.

Swinburne University of Technology

- Dr Md Samsuzzoha, *A study on numerical solutions of epidemic models*, supervisors: Manmohan Singh and David Lucy.

University of Queensland

- Dr Jonny Hunt, *Natural scene statistics and the development of the primary visual cortex*, supervisors: Geoffrey Goodhill and Jason Mattingley.
- Dr Hugh Simpson, *The development of retinotectal maps*, supervisors: Geoffrey Goodhill and Tony Bracken.
- Dr Clare Giacomantonio, *Mechanisms of cerebral cortical development*, supervisors: Geoffrey Goodhill and Linda Richards.

University of Melbourne

- Dr Heather Lonsdale, *Directed compact percolation near a damp wall*, supervisor: Aleks Owczarek.
- Dr Jakub Stoklosa, *Modern statistical methods for the analysis of capture-recapture data*, supervisors: Richard Huggins and Peter Dann.
- Dr Guangjun Xu, *Domination numbers, three-arc graph construction and symmetric graphs*, supervisor: Sanming Zhou.

University of New South Wales

- Dr Michelle Dunbar, *Minimising propagated delay in an integrated aircraft routing and crew pairing framework*, supervisors: Gary Froyland, Richard Wu.

University of Wollongong

- Dr Ali Elfard, *Free paratopological groups*, supervisors: Peter Nickolas and Rod Nilsen.

Awards and other achievements

La Trobe University

- Tomasz Kowalski has been awarded an ARC Future Fellowship at the Department of Mathematics and Statistics.
- Marcel Jackson has been awarded an ARC Future Fellowship.

Monash University

- Professor Kate Smith-Miles, School of Mathematical Sciences, was awarded an ARC Linkage Grant for her project entitled ‘Optimising experimental design for robust product development: a case study for high-efficiency energy generation’. The Partner Organisation is Ceramic Fuel Cells Ltd.
- The School of Mathematical Sciences was successful in attracting three ARC Future Fellowships in the last round. The recipients of these Fellowships were Professor Alexander Heger, Dr Todd Oliynyk, and Dr Sergiy Shelyag who will be joining the School next year.
- Professor Nicholas Wormald has been awarded an ARC Laureate Fellowship. Nicholas is currently a Canadian Research Chair at the University of Waterloo, and works in combinatorics and probability. He will join the School of Mathematical Sciences at the end of 2012.

University of Melbourne

- Professor Peter Hall has been awarded the prestigious Samuel S. Wilks Memorial Award of the American Statistical Association.
- Michael Wheeler has been awarded the Chancellor’s Prize as one of six awards for excellence in a PhD thesis passed in 2011 by the University. Michael was supervised by Professor Omar Foda.

University of New South Wales

- The School is pleased to announce that Associate Professors Gary Froyland and David Warton have each been awarded a 2012 ARC Future Fellowship. Congratulations to Gary and David.

University of Sydney

- Professor Nalini Joshi was awarded a Georgina Sweet Australian Laureate Fellowship for 2012–2017 for the project ‘Geometric construction of critical solutions of nonlinear systems’.

- Associate Professor Martin Wechselberger was awarded an ARC Future Fellowship for 2012–2016 for the project ‘Geometric methods in mathematical physiology’.
- Associate Professor David Easdown was awarded an Office for Learning and Teaching grant of for the project ‘Building leadership capacity in university first year learning and teaching in the mathematical sciences’.

Appointments, departures and promotions

Monash University

- Associate Professor Alan Pryde retired from the School of Mathematical Sciences on 25 June 2012.
- Dr Anthony Lun retired from the School of Mathematical Sciences on 25 June 2012.
- Professor Alexander Heger commenced on 2 July 2012 as a professor in astrophysics. Alexander’s research interests are in life and explosive death of massive stars, the origin of the elements and nuclear astrophysics.
- Dr Norman Do commenced on 30 July 2012 as Lecturer. Norman’s primary research interests are in geometry and topology, particularly the study of moduli spaces. The problems he finds most appealing are those which have a combinatorial flavour and connections with mathematical physics. His current work focuses on recursion relations in Gromov–Witten theory.
- Dr Yanshan Yu commenced on 2 July 2012 as Research Fellow. His research interests are in El Niño Southern Oscillation (ENSO) dynamics and predictability, and its characteristics in future climate scenarios. He is currently developing a hybrid coupled model to study the effects of nonlinear processes in the atmosphere on ENSO behaviour.
- Dr Fuke Wu commenced on 10 July 2012 as Research Fellow. His research interests are in stochastic differential equations and their applications, numerical solutions of stochastic differential equations, stochastic stability and stabilisation, Markov switching systems, financial mathematics, and biological mathematics.

University of Melbourne

- Dr Davide Ferrari has been appointed as Lecturer.
- Dr Duy Vu and Dr Hassan Doosti have been appointed as Research Fellows.
- Dr Mihee Lee, Dr Justin Wishart, Dr Mark Sorrell, Dr Emily Hackett-Jones and Dr Norman Do have left the university.

University of New South Wales

- We are delighted to announce that Associate Professor John Roberts, who has been with the School of Mathematics and Statistics for over a decade,

has been appointed as Deputy Head of School. We extend our best wishes and congratulations to Associate Professor Roberts for his new role.

University of Queensland

- Dr Artem Pulemotov has joined the School of Mathematics and Physics as a lecturer in mathematics. Prior to this, he was an L.E. Dickson Instructor at the University of Chicago. His research is mainly in geometric analysis.
- Dr Huy Nguyen has joined the School as a lecturer in mathematics. He was previously a postdoctoral fellow at the University of Warwick.

University of Sydney

- Alexander Fish has been appointed as a lecturer.
- Ben Goldys has been appointed as a professor.
- Reiichiro Kawai has been appointed as a senior lecturer.
- Alexander Coward, David Howden, and Tommaso Terragni have been appointed as research associates.
- Andrew Hammerlindl has been employed as a postdoctoral research associate.

University of Technology, Sydney

- New members of staff in the School of Mathematical Sciences are Professor Louise Ryan and Dr Tapan Rai.

University of Wollongong

- S. Wang has been appointed as Lecturer in Operations Research.
- S. Burden has been appointed as Lecturer in Statistics.
- W. Davis has been appointed to a research position in statistics.

New Books

Monash University

- Polster, B. and Ross, M. (2012). *Math Goes to the Movies*. The John Hopkins University Press, Baltimore, MD. The *Gazette* has a copy available for free to a willing reviewer.
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Conferences and Courses

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

2012 Conference and Workshop on Modelling and Computation in Musculoskeletal Engineering

Date: 12–15 November 2012

Venue: Institute of Health and Biomedical Innovation, QUT

Web: 2012mcme.wordpress.com

Conference convenor: Email: mcme@qut.edu.au

Ph: +61 7 3138 5238

Eclipse on the Coral Sea: Cycle 24 Ascending

Date: 12–16 November 2012

Venue: Palm Cove, Queensland

Web: <http://moca.monash.edu/eclipse>

Canberra Symposium on Regularization

Date: 19–24 November 2012

Venue: Australian National University

Web: <http://maths.anu.edu.au/events/special-year/2012-special-year-inverse-problems-0/canberra-symposium>

Funds are available to support student attendance and involvement at this symposium.

The Symposium is being supported with funds from the CMA, MSI, ANU, and AMSI.

Two possibilities are available for interested students:

- (i) AMSI support: details available on the above website (on the front page).
- (ii) CMA, MSI, ANU, support (limited): expression of interest in attending should be forwarded to Brittany Shoard (brittany.shoard@anu.edu.au), including name, affiliation and reason for wishing to attend. Students are encouraged to talk about their work if it has a regularization connection.

Annual NSW/ACT ANZIAM Meeting

Date: 22–23 November 2012

Venue: University of New South Wales, Sydney

Web: <http://conferences.science.unsw.edu.au/ANZIAMNSW2012>

This year, the NSW/ACT ANZIAM Meeting will be held at UNSW on 22 and 23 November. The aim of the meeting is to get together with applied and industrial maths colleagues, present something of your research, and have a pleasant conference dinner (this year at the Crowne Plaza Hotel in Coogee). We particularly encourage graduate students to present their ongoing research, and the friendly environment provides a great opportunity for students to practice delivering talks.

Students presenting talks also have free registration which includes the conference dinner.

EVIMS: Workshop on the Effective Use of Visualization in the Mathematical Sciences

Date: 23–25 November 2012

Venue: Newcastle (exact location to be announced soon)

Web: <http://carma.newcastle.edu.au/meetings/evims>

A truly popular lecture cannot teach, and a lecture that truly teaches cannot be popular. . . . The most prominent requisite to a lecturer, though perhaps not really the most important, is a good delivery; for though to all true philosophers science and nature will have charms innumerable in every dress, yet I am sorry to say that the generality of mankind cannot accompany us one short hour unless the path is strewn with flowers.

Michael Faraday

We shall hold a three-day workshop in November 2012 in Newcastle on more effective use of visualisation in mathematics, physics, and statistics from the perspectives of education, research, and outreach. We hope to come to a more optimistic conclusion than Faraday.

If you would like an invitation to participate or to contribute a talk at the workshop, please send a note and, if appropriate, a suggested title and abstract to Juliane.Turner@newcastle.edu.au. There are a limited number of contributed session spots available.

ANZAMP inaugural annual meeting

Date: 2–5 December 2012

Venue: Lorne, Victoria

Web: www.anzamp.austms.org.au/meetings/2012

Contact: anzamp.meeting@gmail.com

BioInfoSummer 2012: AMSI Summer Symposium in Bioinformatics

Date: 3–7 December 2012

Venue: University of Adelaide

Web: www.amsi.org.au/BIS12.php

BioInfoSummer is a major annual bioinformatics event in Australia, bringing together in excess of 150 biologists, statisticians and bioinformatics professionals.

The program is as follows:

- 3 December Introduction to biology and bioinformatics
- 4 December DNA-based bioinformatics
- 5 December Proteomics
- 6 December Computational biology
- 7 December Programming for biologists

Speakers include Dr Conrad Burden (Australian National University), Dr Karl Clauser (Broad Institute), Dr Martin Frith (Computational Biology Research Centre, AIST, Japan), Dr Suhita Nadkarni (Indian Institute of Science Education and Research), Associate Professor Gavin Huttley (Australian National University), Dr Jason Roberts (Victorian Infectious Diseases Reference Laboratory) and Professor Fuli Yu (Baylor College of Medicine). Student travel awards are available.

This year, subsidised internships will be linked to BioInfoSummer. These internships connect business and other organisations to the vast research expertise in Australia's universities. See <http://amsiintern.org.au/general/embl-bioplatforms> for more information.

Trilateral meeting on Partial Differential Equations and Related Topics

Date: 3–7 December 2012

Venue: University of Wollongong

Web: www.uow.edu.au/informatics/math/trilateral/index.html

Contact: Ms Joell Murray (joell@uow.edu.au)

The Trilateral meeting builds on existing successful relationships between researchers in Australia, Taiwan and Italy. Topics will include, but are not limited to partial differential equations, nonlinear functional analysis, dynamical systems, calculus of variations, applications.

Australian mathematicians working in partial differential equations, their applications and related fields including dynamical systems, differential geometry and stochastic analysis are encouraged to attend. Some assistance to students and early career researchers is available.

The 36th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (36ACCMCC)

Date: 10–14 December 2012

Venue: University of New South Wales, Sydney

Web: <http://conferences.science.unsw.edu.au/36accmcc>

ANZAMP Inaugural Meeting

Date: 2–5 December 2012

Venue: Cumberland Lorne Resort, Lorne, Victoria

Web: www.anzamp.austms.org.au/meetings/2012

Contacts: Jan de Gier (Director, office@anzamp.austms.org.au)

Kerry Hill (anzamp.meeting@gmail.com)

ANZAMP aims to attract a broad audience. The keynote speakers of the inaugural meeting are

- Debra Bernhardt (University of Queensland)
- Paul Fendley (University of Virginia, Charlottesville)
- Jarmo Hietarinta (University of Turku)

- Andrei Okounkov (Columbia University, New York)
- Todd Oliynyk (Monash University)
- Arkady Tseytlin (Imperial College, London).

AMSI Summer School 2013

Date: 7 January – 1 February 2013

Venue: Melbourne

Web: www.ms.unimelb.edu.au/~amsi2013

Two weeks to go! To secure accommodation in Melbourne during the AMSI Summer School 2013, interested students should register before 2 November 2012. The School is an exciting opportunity to improve mathematical skills and meet other students.

The program is packed with additional events including BBQ's, guest lectures by Simon Levin (Princeton) and Keith Devlin (Stanford), a Careers Session, the closing dinner and a Letters and Numbers contest with special guest Lily Serna. For more information and online registration, visit the website.

International Workshop on Math Models of Tumour-Immune Dynamics

Date: 7–10 January 2013

Venue: University of Sydney

Web: <https://sites.google.com/site/sydneytumorimmune>

NZMRI Workshop 2013: Geometric Mechanics and Shape

Date: 13–19 January 2013

Venue: Ohope Beach, near Whakatane, New Zealand

Web: <http://seat.massey.ac.nz/NZMRI13>

The lectures will be themed around geometric mechanics and shape analysis, and will be at a level appropriate to graduate students.

Confirmed speakers are

- Boris Khesin (University of Toronto)
- Peter Michor (University of Vienna)
- David Mumford (Brown University)
- Xavier Penec (INRIA, France)
- Tudor Ratiu (EPFL, Switzerland)

Accommodation will be in Ohope Beach and nearby Whakatane. Hotels and houses in this area fill up very fast in January, so you are advised to register early.

2013 MISG Graduate School on Industrial and Applied Mathematics

Date: 22–26 January 2013

Venue: Science and Engineering Centre at QUT, Brisbane

Web: www.mathsinindustry.com

Contact: Professor Troy Farrell (misg@qut.edu.au)

Registration is now open for the 2013 MISG Graduate School on Industrial and Applied Mathematics.

Immediately preceding the MISG Workshop will be an MISG Graduate School on Industrial and Applied Mathematics aimed at Honours and Postgraduate students. The Graduate School content will be delivered by world-class researchers in this field, Professors Ian Turner, Kerrie Mengersen and Erhan Kozan of the School of Mathematical Sciences at QUT. The Graduate School will provide an excellent lead into the MISG Workshop and students are encouraged to attend both.

2013 Mathematics-In-Industry Study Group

Date: 29 January to 2 February 2013

Venue: Science and Engineering Centre at QUT, Brisbane

Web: www.mathsinindustry.com

Contact: Professor Troy Farrell (misg@qut.edu.au)

The MISG is a special interest group of ANZIAM and also an activity of AMSI. It is an exciting event that sees applied mathematicians, statisticians, engineers and physical scientists work together with industry representatives on technical problems that are of immediate relevance to the industry partner. Since its inception, the MISG has worked with more than 85 business and industry partners, ranging from large multinational conglomerates to small-to-medium enterprises. Over the years, the group has worked on more than 150 different projects spanning a broad spectrum of sectors including government, financial services, mining, car manufacturing, railways and freight, metal processing, food and beverages, oil and gas, utilities, biomedical science, and technology. Academics and researchers challenge themselves to achieve the best possible outcomes in a short amount of time for government, industry and business, so the workshop atmosphere is exciting and vibrant.

ANZIAM 2013

Date: 3–7 February 2013

Venue: Newcastle City Hall

Web: <http://anziam2013.newcastle.edu.au/>

The annual conference of ANZIAM is an established gathering of applied mathematicians, scientists and engineers, which will be hosted by the NSW Branch in 2013. The host city of Newcastle is only two hours north of Sydney, and the venue is the Newcastle City Hall, centrally located close to transport, beaches and restaurants.

Invited speakers:

- Samsung Professor Steve Boyd (Stanford University)
- Professor Keith Devlin (Stanford University)
- Professor Matthias Ehrgott (University of Auckland), CARMA/AMSI
Speaker for Mathematics of Planet Earth
- Professor G. Bard Ermentrout (University of Pittsburgh)
- Professor Chris Glasbey (BIOSS Edinburgh)

- Professor Graeme Hocking (Murdoch University)
- Professor Hanna Kokko (The Australian National University)
- Professor Robert McKibbin (Massey University), ANZIAM Medalist
- Dr Matthew Simpson (Queensland University of Technology), Michell Medalist.

Student attendance is supported through the CSIRO-ANZIAM student support scheme: www.anziam.org.au/The+CSIRO-ANZIAM+Student+Support+Scheme. Hosted by CARMA and the University of Newcastle.

EMAC 2013

Date: 1–4 December 2013

Venue: Queensland University of Technology, Brisbane

Web: www.emac2013.com.au

The 2013 Engineering Mathematics and Applications Conference will commence on Sunday 1 December 2013 with a welcome reception.

Conference topics range broadly over engineering mathematics, statistics, operations research, and applications including engineering mathematics education. Full papers are submitted after the conference for full peer review and publication in a special part of the Electronic Supplement of the ANZIAM Journal. The deadline for submission of papers will be early January 2014.

Postgraduate students are especially encouraged to participate, and there is a prize for the best research paper presented by a student. Student support is available through the CSIRO-ANZIAM Student Support Scheme.

MODSIM2013: International Congress on Modelling and Simulation

Date: 1–6 December 2013

Venue: Adelaide Convention Centre, South Australia

Web: <http://mssanz.org.au/modsim2013>

Vale

Dr Brian J. Day

We report the death of Dr Brian J. Day on 16 June 2012.

Emeritus Professor G.I. Gaudry

It is with deep regret we inform members of the death of Emeritus Professor G.I. Gaudry on 18 October 2012. Garth passed away in Sydney after a long illness. Garth was an Honorary Member of the Society and its President from 1988 to 1990. He made an immense contribution to Australian mathematics in many ways, in particular as the inaugural Director of AMSI.

Fuller details of Garth's contributions to AMSI and to Australian mathematics more generally can be found on the AMSI web site at www.amsi.org.au/news/87-general-and-outreach-news/958-vale-garth-gaudry.

Emeritus Professor Bruce Morton

Emeritus Professor Bruce Morton (1926–2012) passed away on 15 September 2012 after a long illness. Bruce Morton was Professor of Applied Mathematics at Monash University from 1967 until his retirement in 1991. He was also Head of the Department of Mathematics at Monash from 1974 to 1976. He encouraged a whole generation of leaders in geophysical fluid mechanics in Australia, and was a key individual in establishing the current strength in Atmospheric Science at Monash University. In an interview with Mike Manton in 2004, Bruce reflected on his life and career in fluid mechanics and atmospheric and oceanographic research. For details of the interview, please visit www.amos.org.au/documents/item/72.

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.

- Pierre-Olivier Amblard; CNRS, France; 1 August 2010 to 28 February 2013; –; UMB; Owen Jones
- Dr Tarje Bagheer; University of Copenhagen, Denmark; 14 February 2012 to 13 February 2013; –; UMB; Craig Westerland
- Ingeborg Bikker; University of Twente, The Netherlands; 23 July to 28 October 2012; –; UMB; Peter Taylor
- Prof Michel Brion; Institut Fourier; 28 September to 6 October 2012; pure; USN; Gus Lehrer
- Dr Yukun Cheng; Zhejiang University, PRC; 1 August 2012 to 31 July 2013; –; UMB; Sanming Zhou
- Robin Cockett; University of Calgary; 17–22 September, 1–6 October 2012; –; ULT; Marcel Jackson
- Alireza Faraz; Université de Liège, Belgium; 1 July to 31 December 2012; multivariate control charts; UNS; David Warton
- Prof Chris Field; Dalhousie University, Halifax, Canada; 18–23 November 2012; stats; USN; Qiying Wang
- Dr Tanya Garcia; Texas A&M; 4 November to 2 December 2012; stats; USN; Samuel Mueller
- Dr Lorenz Gilch; Graz University of Technology Germany; 29 August to 27 September 2012; pure; USN; James Parkinson
- Prof Henning Haahr-Andersen; University of Aarhus; 27 September to 20 October 2012; quantum groups; USN; Gus Lehrer
- Prof Liang Han-Ying; Tongji University; 10 December to 22 February 2013; stats; USN; Qiying Wang

- Robin Hirsch; University College London; 18 November to 4 February 2013; –; ULT; Marcel Jackson
- Prof Andy Hone; University of Kent, UK; 27 September to 6 October 2012; –; ULT; Chris Ormerod
- Emanuel Huhnen-Venedey; Technical University Berlin; September 2011 to September 2012; (discrete) differential geometry; UNS; Wolfgang Schief
- Prof Gail Ivanoff; University of Ottawa; 29 August to 24 September 2012; stats; USN; Neville Weber
- Prof Kenji Kajiwara; Institute for Mathematics for Industry; 24–26 September 2012; discrete integrable systems; USN; Mike Hay
- Prof Kenji Kajiwara; Kyushu University, Japan; 27 September to 1 October 2012; –; ULT; Chris Ormerod
- Prof Hiroyuki Kashima; Aoyama Gakuin University, Japan; 1 April 2012 to 31 March 2013; –; UMB; Peter Hall
- Prof Daniel Knopf; University of Texas; 10–14 December 2012; pure; Zhou Zhang
- Prof Satoshi Koike; Hyogo University; 2 September to 7 October 2012; pure; USN; Laurentiu Paunescu
- Prof Bernd Krauskopf; University of Auckland, New Zealand; 27 September to 1 October 2012; –; ULT; Chris Ormerod
- Antonio Ledda; University of Cagliari, Italy; 16–23 September 2012; –; ULT; Tomasz Kowalski
- Prof Klaus Lux; University of Arizona; 1 November to 15 December 2012; –; UWA; Alice Niemeyer
- Dr Hiroshi Matsuzawa; Numazu National College of Technology, Japan; April 2012 to March 2013; nonlinear PDE; UNE; Yihong Du
- Dr Mihai Mihailescu; University of Craiova; 1 August to 30 November 2012; partial differential equations; USN; Florica Cirstea
- Dr Stefan Papadima; Institute of Maths, Romanian Academy; 1 December 2012 to 31 January 2013; singularity theory; USN; Laurentiu Paunescu
- Xiao-Long Peng; Shanghai University; July 2012 to June 2013; –; UWA; –
- Katja Sagershnik; University of Vienna; 1 May 2011 to 31 December 2012; –; ANU; Michael Eastwood
- Ms Maryam Siddiq; University Lahore; November 2012 to June 2013; –; UWA; –
- Prof Vladimir Sokolov; Russian Academy of Sciences; 3 to 6 October 12; nonlinear DE; USN; Nalini Joshi
- Prof Vladimir Sokolov; Landau Institute for Theoretical Physics, Russia; 27 September to 6 October 2012; –; ULT; Chris Ormerod
- Prof Alexandru Suci; Northeastern University; 1 November to 15 December 2012; pure; USN; Laurentiu Paunescu
- Xiaoran Sun; Harbin Institute of Technology; October 2012 to September 2013; –; UWA; –
- Dr Leo Tzou; University of Helsinki; 30 July to 24 November 2012; nonlinear analysis; USN; Neville Weber
- Dr Melvin Varughese; University of Cape Town, South Africa; 1 July to 31 December 2012; –; UMB; Aihua Xia

- Prof Ferdinand Verhulst; Utrecht University, Netherlands; 26 September to 3 October 2012; –; ULT; Chris Ormerod
- Mr Wei Wu; UNSW; 30 July 2012 to 30 June 2015; financial maths; USN; Ben Goldys
- Mr Chunguang Xia; University of Science and Technology, China; 1 November 2010 to 31 October 2012; algebra and representation theory; USN; Ruibin Zhang
- Ruoxi Xiang; Hong Kong Polytechnic University; 1 July 2012 to 1 March 2013; –; UWA; –
- Prof Xi'an Xu; Xuzhou Normal University, China; 20 November 2011 to 20 November 2012; nonlinear PDE; UNE; Yihong Du
- Dr Jinghao Xue; University College London, UK; 9 June to 15 December 2012; –; UMB; Peter Hall
- Prof Yubo Yuan; East China University; 15 October to 23 November 2012; canonical duality theory; UBR; David Gao
- Dr Ahmet Yucesan; Suleyman Demirel University, Turkey; 15 June to 15 September 2012; –; UWA; –
- Prof Zhitao Zhang; Chinese Academy of Sciences; 19 October to 24 November 2012; pure; USN; Prof Norman Dancer
- Prof Mei Zheng; Chongqing College of Electronic Engineering, China; February 2012 to February 2013; optimization theory and algorithms; UBR; Zhiyou Wu
-