



News

General News

Maths in the Media

The *Weekend Magazine* of the *Weekend Australian* published the story 'Beautiful Minds' on Terry Tao and his family:

<http://www.theaustralian.news.com.au/story/0,25197,22216398-5012694,00.html> (August 11).

The Age published an article entitled 'Genetic detectives seek codes to human illnesses' about Peter Donnelly, Professor of Statistical Science at Oxford University, and his research. Peter completed an undergraduate degree at the University of Queensland:

<http://www.theage.com.au/news/business/genetic-detectives-seek-codes-to-human-illnesses/2007/09/11/1189276719911.html> (September 12).

Moyal Lecture

The 2007 Moyal Lecture will be held on 9 November at Macquarie University. It will be given by the 2007 Moyal Medallist, Professor Peter Drummond of the University of Queensland. Professor Drummond is being recognised for his contributions to physics. In the Lecture he will discuss quasi-probability distribution functions in quantum mechanics, including the positive P representation which is related to Joe Moyal's phase space approach, as well as some of their many applications.

Professor Drummond is a Fellow of the Australian Academy of Science, the Australian Institute of Physics and the American Physical Society. He was awarded the Massey Medal of AIP/IOP in 2004.

The lecture will follow the presentation of the Medal at 7.00pm in the Mathematics Department. There will be a supper and time for discussion after the lecture. For more information please contact John Corbett (jvc@ics.mq.edu.au) or Christine Hale (02 9850 8947) in the Mathematics Department, Macquarie University.

Griffith University

Anand Tularam is taking over from Chris Matthews as the Griffith University correspondent.

Monash University

Professor J.J. Monaghan, School of Mathematical Sciences, has been invited to give the G.K. Batchelor Lecture at the Australian Fluid Mechanics Conference in December 2007. This lecture is in honour of the great Australian fluid dynamicist, George Batchelor FRS. He was also invited to give the first Australian and New

Zealand Industrial and Applied Mathematics (ANZIAM) plenary Lecture to the meeting of the Australian Mathematical Society in September 2007.

University of Queensland

ARC grants

Dr A.J. Richardson; Dr A.J. Hobday; Dr T.A. Okey; Dr R.J. Matear: Integrating climate and ecosystem models to predict climate change impacts on Australian marine systems (\$285 300).

Dr J.M. Keith; Professor P. Adams; Dr G.F. Weiller: Statistical methods for detection of non coding RNAs in eukaryote genomes (\$250 000).

Associate Professor G.J. Goodhill; Dr G.B. Ericksson: A new theory for retinotectal map formation.

Professor G.J. McLachlan; Dr S.K. Ng: Mixture models for high-dimensional clustering with applications to tumour classification, network intrusion, and text classification.

Dr C. Riginos; Professor H.P. Possingham: Approved coral reef connectivity: an empirical and theoretical synthesis.

Ms C.M. Hunter; Dr A.J. Richardson; Dr E.A. Fulton; Professor H.P. Possingham: The impact of climate change on the resilience of Australian marine systems: linking climate and ecosystem models.

Joint with ANU

Dr T.B. Sercombe; Dr A.P. Roberts; Dr J.F. Grotowski; Professor X. Wu; Professor M.H. Loretto: OBE Design and fabrication of custom titanium implant scaffolds produced by selective laser melting.

University of Southern Queensland

Dr Oleksiy Yevdokimov has been invited to be a member of the International Program Committee for the 19th ICMI (International Commission on Mathematical Instruction) study on *the role of mathematical reasoning and proving in mathematics education*. He will be the only Australian committee member.

University of Technology (Dept Mathematical Sciences), Sydney

Several members of the Department have received large grants. These are as follows.

Professor Eckhard Platen has been awarded a Discovery Project grant with Associate Professor Erik Schlogl (\$340 000 over four years) starting next year.

Professor Alex Novikov and Dr Mark Craddock have been awarded a Discovery Project grant with Associate Professor A. Borovkov (\$235 000 over three years) starting next year.

Professor Debbie Street has also been awarded a Discovery Project grant — with Professor Jane Hall (of CHERE) and Associate Professor Denise Doiron (in Economics at UNSW), worth \$540 000 over five years.

Completed PhDs

Monash University

- Dr Simon Campbell, *Structural and nucleosynthetic evolution of metal-poor and metal-free low- and intermediate-mass stars*, supervisor: Professor John Lattanzio.
- Dr Justin Peter, *Aerosol processing by a cumulus band and a cold front*, supervisor: Dr Steven Siems.

RMIT

- Dr Nick Lombardo, *Properties of composites containing spherical inclusions surrounded by an inhomogeneous interphase region*, supervisors: Dr John Gear and Dr Yan Ding.

University of Melbourne

- Dr Anna Cai, *Multi-scale modelling of cell populations in experimental systems: migration proliferation and differentiation*, supervisors: Associate Professor Barry Hughes and Professor Kerry Landman.
- Dr Rogerio Manica, *Modelling hydrodynamic interactions between deformable droplets*, supervisors: Professor Derek Chan and Dr Steven Carnie.
- Dr Armando Rodado, *Weierstrass points and canonical cell decompositions of the moduli and Teichmüller spaces of Riemann surfaces of genus two*, supervisor: Dr Iain Aitchison.

University of New England

- Dr Alex Woolaston, *Statistical methods in genomics*, supervisors: Dr Bruce Tier and Dr Bob Murison.

University of South Australia

- Dr Luciana Magnano, *Mathematical models for temperature and electricity demand*, supervisor: Dr John Boland.

Awards and other achievements

Monash University

- Professor John Lattanzio, Centre for Stellar and Planetary Astrophysics, School of Mathematical Sciences, is to receive a Prize from the Physics Department, Lawrence Livermore Laboratory, for the best paper from their laboratory in 2006. The paper, *Deep Mixing of ^3He : Reconciling Big Bang Nucleosynthesis and Stellar Nucleosynthesis*, was published in Science by John and his colleagues at Lawrence Livermore.

- Vice-Chancellor's Showcase on Teaching Excellence: Two lecturing staff made presentations to the Showcase in September at the Caulfield campus. Congratulations to Dr Leo Brewin and Dr Richard Wardle.
- Congratulations to Mrs Gertrude Nayak on being awarded the Monash University Travelling Fellowship to undertake further professional development. The fellowship fund will allow her to visit Australian and overseas universities.
- Dr Lyle Pakula was awarded an Early Career Researcher Grant from the Faculty of Science for the year 2008.
- Monash solar scientist, Professor Paul Cally, has been invited to become a Co-Investigator on a project to place a velocity and magnetic field imaging instrument VIM (Visible-light Imager and Magnetograph) on the Solar orbiter spacecraft, scheduled for launch by the European Space Agency (ESA) in 2015. The VIM project is lead by the German Max Planck Institute for Solar System Research.

University of Melbourne

- Norman Do was awarded the B.H. Neumann prize for best student talk at the annual AustMS meeting, together with Neil Saunders from the University of Sydney (see also p. 310).

University of Sydney

- Dr Bill Palmer was awarded the B.H. Neumann Award for 2007, by the Australian Mathematics Trust.
- Professor Nalini Joshi has been elected incoming president of the Australian Mathematical Society at the annual meeting in September.
- At the Annual Meeting of the Australian Mathematical Society Neil Saunders was awarded the B.H. Neumann prize, jointly with Norman Do from the University of Melbourne (see also p. 310). Tegan Morrison was given an honourable mention for her talk entitled 'Tronquee Solutions of Higher Order Painleve Equations'.
- Shona Yu won the G.B. Preston Prize for her talk 'The Cyclotomic Birman–Murakami–Wenzl Algebras' at the Algebra Conference of Victoria.

Appointments, departures and promotions

University of Technology, Sydney

- Alex Novikov has been appointed to the council of the Bernoulli Society.

Monash University

- Dr Christian Jakob commenced as Professor of Climate Modelling. His research interests are in cloud and convection parameterisation schools.
- Dr Todd Oliynyk commenced as Lecturer in Mathematics (Level B). His research interests are in mathematical physics, especially general relativity.

- Dr Lyle Pakula has been appointed Lecturer in Atmospheric Science (Level B). His research interests are in weather and climate of the equatorial region.
- Dr Ross Church commenced as Postdoctorate/Research Fellow working with Professor John Lattanzio (and Dr Pete Wood at Australian National University) on stellar nucleosynthesis.
- Dr Alina-Catalina Donea was promoted to Senior Lecturer Level C. Her research areas are solar physics: helioseismology, solar flares, solar quakes, suprathermal particles, ultra high-energy cosmic rays, active galactic nuclei (accretion disks and relativistic jets).
- Dr Kais Hamza was promoted to Senior Lecturer level C. His research interests are in general theory of stochastic processes, representation properties for martingales, Markov jump processes and applications of stochastic processes to modelling of financial markets.

RMIT

- Associate Professor Rob May retired from the School of Mathematical and Geospatial Sciences in February this year.
- Associate Professors Bill Blyth and Gary Fitz-Gerald retired from the School of Mathematical and Geospatial Sciences in August. This follows departures earlier in 2007 of Drs Dan Kildea, Max Hunter and Mirko Lukic.
- Associate Professors Panlop Zeephongsekul and Andrew Eberhard have been promoted to the rank of Professor.
- Dr Asha Rao is on sabbatical in India until 31 January 2008. As a recipient of the 2007 Endeavour India Research Fellowship, she is funded by DEST, Australia. She will spend four months at the Indian Institute of Science, Bangalore and one month at the University of Mangalore.

University of Melbourne

- Kerry Landman and Peter Forrester have been promoted to Professor.
- Kerry Landman has been awarded an Australian Professorial Fellowship.
- Dr Daniel Tokarev, Research Fellow (MASCOS), commenced 1 August 2007.
- Mr Kerem Akartunali, Research Fellow, commenced 1 October 2007.
- Dr Ben Binder, Research Fellow, commences 22 October 2007.
- Dr Aurore Delaigle, Maurice Belz Research Fellow, concluded 27 July 2007.

University of New South Wales

- Michael Hirschhorn is retiring on 2 November, after 33 years, and he will be an Honorary Associate for two years after that.
 - Drs John Murray and John Roberts have been promoted to Associate Professor.
 - Associate Professor Robert S. Womersley has been appointed to replace Professor Michael Cowling as Head of the School of Mathematics and Statistics for the period of one year.
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New Books

University of Technology, Sydney

- Graeme Cohen, an adjunct professor with the Department, and Neville de Mestre (Bond University), have just published a book entitled *Figuring Sport*.

Monash University

- Michael Deakin, *The Name of the Number*, Australian Council for Educational Research Ltd, 2007.
- Michael Deakin, *Hypatia of Alexandria: Mathematician and Martyr*, Prometheus Books, 2007.

University of Melbourne

- Ian Enting, *Twisted. The Distorted Mathematics of Greenhouse Denial*.
<http://www.amsi.org.au/twisted.php>.

Conferences and Courses

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

1st Asia-Pacific Summer School on Mathematical Physics and 21st Canberra International Physics Summer School

Date: 26 November to 7 December 2007

Venue: Australian National University, Canberra

Web: <http://www.maths.anu.edu.au/research.programs/mathphys/sy2007/apss2007.html>

This is the formal call for registration to attend the 1st Asia-Pacific Summer School on Mathematical Physics to be held at the Australian National University in Canberra from 26 November to 7 December 2007.

The purpose of the Summer School is to bring together honours and postgraduate students from the Asia-Pacific region, and to offer a series of lectures at the advanced undergraduate and beginning postgraduate level. The distinguished lecturers and their topics are: Sander Bais (Amsterdam): Topological quantum computing; Vladimir Bazhanov (Canberra): Quantum integrability; Peter Forrester (Melbourne): Random matrices; Greg Lawler (Chicago): Stochastic Loewner evolution; Soonkeon Nam (Seoul): String theory and black holes etc.; Guifre Vidal (Brisbane): Entanglement, tensor networks and the simulation of quantum many-body systems.

The Summer School will also include a special guest seminar by Ignacio Cirac (Max Planck Institute, Garching).

There is no registration fee for the Summer School. A number of Student Scholarships will be available to cover attendance of honours and postgraduate students. These scholarships will either be Travel Student Scholarships (travel + full board

and lodging) or Student Scholarships (full board and lodging only). Preference for Travel Scholarships will be given to Australian and New Zealand honours students.

Theme program: Concepts of Entropy and Their Applications

Date: 26 November to 12 December 2007

Venue: University of Melbourne

Web: <http://www.amsi.org.au/Entropy.php>

Entropy concepts have been useful in a range of topics and this three-week program will cover many of them. The broad topics to be covered are: Thermodynamics, Entropy methods in PDEs, Entropy methods in statistical mechanics, Entropy methods in environmental data modelling, Entropy methods in dynamical systems, Entropy methods in information theory, Entropy methods in operations research and Entropy methods in signal processing.

Keynote speakers include Angus Hurst, Ingo Mueller, Derek Robinson, Rod De-war, Denis Evans, Reuven Rubinstein, Michael Baake, Richard Kleeman, Benji Weiss and Tommaso Ruggeri.

The venue is the AMSI precinct, ICT Building, University of Melbourne, 111 Barry Street, Carlton.

Centre for Discrete Mathematics and Computing Workshops

Date: 27–30 November 2007

Venue: St Lucia Campus of the University of Queensland, Brisbane

Web: <http://www.maths.uq.edu.au/~carloh/workshops2007/workshop-2007-11/>

Contact: Diane Donovan (dmd@maths.uq.edu.au)

In 2007 the Centre for Discrete Mathematics and Computing at the University of Queensland is holding a series of three workshops on combinatorial mathematics. We wish to acknowledge the generous support of both AMSI and the University of Queensland in sponsoring these workshops.

The first two workshops were held in April and July, with invited speakers including: Nicholas Cavenagh, UNSW; Mike Grannell, Open University, UK; Terry Griggs, Open University, UK; Michael Hoffmann, University of Leicester, UK; Ian Wanless, Monash University; Roger B. Eggleton, Illinois State University, USA; Abdollah Khodkar, University of West Georgia, USA; Chris Rodger, Auburn University, USA; Emine Sule Yazici, Koc University, Turkey. Both workshops were well attended, with high-quality presentations, stimulating new collaborations and research.

The third workshop will be held from 27 to 30 November 2007, at the St Lucia Campus, Brisbane. The invited speakers for this workshop include Brian Alspach, University of Newcastle; Ebad Mahmoodian, Sharif University of Technology, Iran; Jennifer Seberry, University of Wollongong. For more details on the workshop please refer to the workshop website.

National Symposium on Mathematics Education for 21st Century Engineering Students

Date: 7 December 2007

Venue: Access Grid Room (AGR) at RMIT University

Web: http://www.amsi.org.au/Carrick_seminar.php

This one-day seminar will be the culmination of a Carrick-funded investigation into teaching the mathematical sciences to engineering undergraduates. It will be held in conjunction with the Annual Conference of the Australasian Association for Engineering Education. It should be of interest to mathematics and statistics academics who teach engineering students.

The venue will be the Access Grid Room (AGR) at RMIT University. Non-Melbourne delegates can join from elsewhere on the AGR network.

Keynote speakers are Martin Harrison from Loughborough University UK, which operates a Mathematics Learning Support Centre, and John Pelesko, Director of the Mechanics and Computation Lab at the University of Delaware.

Short talks and posters are invited from engineers or mathematicians involved in teaching mathematics or statistics to engineering undergraduates. The content should describe what you actually did by way of innovation and how it worked. Abstracts for contributed 15-minute talks (including question time) may be submitted by email to graham@amsi.org.au by 1 November 2007.

Annual statistical mechanics meeting and annual mathematical physics workshop

Date: 10–14 December 2007

Venue: Australian National University and Kioloa

Web: <http://www.maths.anu.edu.au/research.programs/mathphys/sy2007/MPh2007.html>

This is the formal call for registration and talks for the annual Statistical Mechanics Meeting and Mathematical Physics Workshop. This year the Statistical Mechanics Meeting is included as part of the workshop on Mathematical Physics to be held during the week of 10–14 December 2007.

The annual Statistical Mechanics Meeting, covering the usual range of topics related to statistical mechanics, will be held at the ANU on Monday 10 December and the morning of Tuesday 11 December. On Tuesday afternoon a shuttle bus will be organized to take workshop participants from Canberra to Kioloa on the NSW South Coast, where the Mathematical Physics workshop will be held from Wednesday through Friday.

The return bus will depart for Canberra on the morning of Saturday 15 December. Accommodation in Kioloa will be at the Kioloa Beach Holiday Park. Lectures will take place in the Kioloa Community Centre.

The Kioloa Beach Holiday Park has up to 30 self-contained cabins including kitchen, living area and two or more bedrooms. This accommodation will be provided for participants on a shared basis. Participants wishing to arrange individual cabins should contact the organizers for details. Catering (excluding breakfast) will also be provided as part of the workshop funding.

If you plan to attend either or both events please return the registration form to murray.batchelor@anu.edu.au.

AMSI 2008 Summer School

Date: 14 January – 8 February 2008

Venue: Monash University, Clayton Campus, Melbourne

Web: <http://www.maths.monash.edu.au/amsiss08/>

FAQ: <http://amsiss.maths.monash.edu.au/faq.html>

E-mail: amsiss08@sci.monash.edu.au

The Sixth ICE-EM/AMSI Summer School, which runs from 14 January to 8 February 2008, will be hosted by the School of Mathematical Sciences at Monash University, Clayton campus in Melbourne. The Summer School is designed for honours and postgraduate students in the mathematical and statistical sciences.

Travel and/or accommodation subsidies are available for students from AMSI member institutions, postgraduate students or early career academics from Asian and Latin American universities, and full-time postgraduate students from member institutions of the Pacific Rim Mathematical Association.

With the consent of their home university, students may take courses for credit towards their degree.

Topics: Knots and links (Iain Aitchison, University of Melbourne); Advanced methods for ordinary differential equations (Andrew Bassom, University of Western Australia); Martingales in discrete time (Kais Hamza, Monash University); Approximation theory (Markus Hegland, ANU); Partial differential equations (Jerry Kazdan, University of Pennsylvania); Measure theory (Marty Ross); The art and science of modeling, analysing and solving decision-making problems (Moshe Sniedovich, University of Melbourne); Lie groups (John Stillwell, University of San Francisco).

Workshop on Geometry and Integrability

Date: 6–12 February 2007

Venue: The University of Melbourne

Organisers: Jan de Gier (degier@ms.unimelb.edu.au) and Hyam Rubinstein

Web: <http://www.ms.unimelb.edu.au/~degier/GandI08.php>

The aim of this workshop is to investigate interactions between two- and three-dimensional integrable lattice models and geometry and topology. This meeting will feature lecture series by invited speakers on 6, 7 and 8 February, and contributed talks by participants on 11 and 12 February. The organisers encourage early-career researchers and students to attend. Participants from AMSI member institutions can have their travel and accommodation expenses refunded through their department.

The 4th Australian Postgraduate Workshop on Stochastic Processes and Modelling

Date: 10–13 February 2007

Venue: Adelaide University

Contact: Giang.Nguyen@unisa.edu.au

Web: <http://dis.maths.adelaide.edu.au/~apwspm08/>

All postgraduate students in the area of stochastic processes and/or modelling are encouraged to attend; the main aim of the meeting is to give students the opportunity to present work in a conference situation and develop contacts with future colleagues from around the country. Even if you have just started your research and are not in a position to present new results, come along and tell us what you are working on and what you hope to achieve!

Plenary speakers include: Associate Professor Sean Connolly (James Cook University); Professor Jerzy Filar (University of South Australia); Professor Moshe Haviv (Hebrew University of Jerusalem); Professor Jean-Bernard Lasserre (LAAS-CNRS and the Institute of Mathematics of Toulouse); Professor Peter Taylor (University of Melbourne).

Additionally, a short course entitled ‘Moments, sums of squares and semidefinite programming’ will be given by Professor Jean-Bernard Lasserre.

The deadline for contributions (talks/posters) is Friday 14 December 2007.

The deadline for registration is Friday 18 January 2008.

If your university is affiliated with AMSI, please contact your Head of School to request AMSI travel support.

Computational Techniques and Applications Conference (CTAC)

Date: 13–16 July 2008

Venue: The Australian National University

Web: <http://www.maths.anu.edu.au/events/ctac08>

The Computational Techniques and Applications Conference will be hosted by the Australian National University from 13–16 July 2008. As a special event CTAC08 will also be honouring Professor Ian Sloan on his 70th birthday.

Early-bird registration opens on 13 February 2008 and abstracts are due on 1 March 2008.

The current list of invited speakers includes Linda Petzold, David Keyes, Wolfgang Wendland, Susanne Brenner and Larry Forbes.

Visiting mathematicians

Visitors are listed in the order of the last date of their visit 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.

- Dr Keiichi Shigechi; University of Tokyo; 3 to 14 October 2007; –; UMB
 Prof Brian Alspach; University of Newcastle; 22 to 27 October 2007; –; UMB
 Dr Pavel Pyatov; Joint Institute for Nuclear Research, Russia; 15 to 31 October 2007; –; UMB
 Dr Eric Badel; INRA (French National Institute for Agricultural Research); Wood Material Laboratory (LERMAB) – Nancy, France; February to November 2007; –; QUT
 Prof Jiang-Min Pan; University of Yunnan, China; 15 August to 1 November 2007; –; UWA; A/Prof Caiheng Li
 Mr Markus Kirschmer; Lehrstuhl D Für Mathematik; 20 September to 3 November 2007; computational group theory; USN; J.J. Cannon
 Prof Vyacheslav Futorny; University of São Paulo; 24 September to 3 November 2007; quantum groups and their representations; USN; R. Zhang
 Prof Robert Liebler; Colorado State University, USA; 1 October to 11 November 2007; –; UWA; Prof Cheryl Praeger
 Dominic Schuhmacher; University of Zurich; 26 October to 15 November 2007; –; UMB
 A/Prof Yongzhao Shao; Iowa State University; 9 to 28 November 2007; asymptotic methods in statistics; USN; J. Robinson
 Prof John Phillips; University of Victoria, Canada; 1 October to 30 November 2007; analysis and geometry; ANU; Alan Carey
 Prof Elvezio Ronchetti; University of Geneva; 1 to 30 November 2007; statistical science; ANU; Alan Welsh
 Dr Jiping Zhang; Peking University; 5 October to 5 December 2007; –; UWA; A/Prof Cai Heng Li
 A/Prof Dimitri Leemans; Université Libre de Bruxelles; 15 September to 12 December 2007; computational finite geometry; USN; J.J. Cannon
 Prof Pierre Milman; Toronto; 1 to 15 December 2007; algebraic Aspects of Singularities; USN; L. Paunescu
 Dr Andrea Carbonaro; University of Milano; 15 September to 15 December 2007; analysis and geometry; ANU; Alan McIntosh
 Prof Allen Rodrigo; University of Auckland; 8 August to 15 December 2007; Centre for Bioinformation Science; ANU; Sue Wilson
 Prof Guji Tian; Wuhan Institute of Physics and Mathematics; 17 September to 17 December 2007; applied and nonlinear analysis; ANU; Xu-Jia Wang
 Dr Joshua Ross; King's College Cambridge; 3 to 20 December 2007; mathematical biology; MASCOS, UQ; Prof Phil Pollett
 Dr Alex Kitaev; Steklov Mathematical Institute; 25 August to 31 December 2007; singularities and other properties of integrable systems; USN; N. Joshi
 Prof Alan Huckleberry; Ruhr-Universität Bochum, Institut Für Mathematik; 25 November to 21 December 2007; analysis and geometry; ANU; Alexander Isaev
 Jan Saxl; Cambridge University; mid-November to December 2007; –; UWA; Cheryl Praeger

- Dr Dharma Lesmono; Parahyangan Catholic University; 20 September 2007 to 20 January 2008; stochastic DEs and applications; MASCOS, UQ; Prof Phil Pollett
- Dr Damien Stehlé; Ecole Normale Supérieure de Lyon; 11 November 2007 to 20 January 2008; Computational aspects of lattices; USN; J.J. Cannon
- Prof C.C. Lindner; Auburn University, USA; 15 January to 1 February 2008; combinatorics; UQ; Elizabeth Billington
- Mr Mohamad-Reza Mohebbi; Tehran University of Medical Sciences, Iran; 18 March 2007 to 1 February 2008; –; UMB; –
- Dr Tom Ter Elst; University of Auckland; 20 January to 16 February 2008; analysis and geometry; ANU; Alan McIntosh
- A/Prof Andrea Previtali; University of Insubria-Como; 1 October 2007 to 28 February 2008; computational Group Theory; USN; J.J. Cannon
- Dr M. Iranmanesh; Yazd University, Iran; 10 June 2007 to 10 March 2008; –; UWA; Prof Cheryl Praeger
- Dr Tim Burness; University of Southampton; 21 January to 21 March 2008; –; UWA; Prof Cheryl Praeger
- Dr Steen Andersson; University of Indiana; 13 March to 21 April 2008; –; UWA; A/Prof Les Jennings
- Prof Philip Griffin; Syracuse University; 1 February to 30 April 2008; Centre for Financial Mathematics; ANU; Alan Welsh
- Prof Cathy Baker; Mount Allison University, Canada; 3 January to 30 April 2008; combinatorics; UQ; Elizabeth Billington
- Dominic Schuhmacher; University of Zurich; 16 November 2007 to 30 April 2008; –; UWA; Prof Adrian Baddeley
- Dr Youyun Li; Hunan Changsha University; 1 May 2006 to 1 May 2008; –; UWA; A/Prof Song Wang
- Dr Nader Tajvidi; Lund Institute of Technology; 1 January to 1 May 2008; Statistics; USN; M. Raimondo
- Dr Ashraf Daneshkhah; Bu-Ali Sina University; 3 September 2007 to June 2008; –; UWA; Prof Cheryl Praeger
- Ms Weiwei Ren; Yunnan University, China; August 2007 to August 2008; –; UWA; A/Prof Caiheng Li
- Prof Alireza Ematollahi; Shiraz University; 15 September 2007 to 15 September 2008; –; ANU; Alan Welsh
- Prof David Gubbins; Leeds; 20 September 2007 to 19 September 2008; magnetohydrodynamic dynamo theory and the geodynamo; USN; D.J. Ivers
- Dr Frederic Robert; Université de Nice; 14 November 2007 to 3 November 2008; applied and nonlinear analysis; ANU; Florica Cirstea
- Dr Alireza Nematollahi; University of Shiraz; 15 December 2007 to 15 December 2008; multivariate analysis and time series; USN; N.C. Weber