



## General News

### **ANZIAM award for outstanding new researchers: J.H. Michell Medal**

Nominations are called for the award of the J.H. Michell Medal for 2009, for ANZIAM outstanding new researchers. Nominees must be in their first 10 years of research on 1 January 2009 after the award of their PhD, and be members of ANZIAM for at least three years. Nominations close on 30 September 2008. For more information, go to <http://www.anziam.org.au/Medals/michell.html>.

The Chair of the Selection Panel for the 2009 award is Professor Mick Roberts, Institute of Information and Mathematical Sciences, Massey University, Auckland, NZ. Email: [m.g.roberts@massey.ac.nz](mailto:m.g.roberts@massey.ac.nz).

Nominations 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 no more than a one-page resume of the significance of the nominee's work. Nominations should be forwarded to the Chair of the Selection Panel, in confidence.

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

### **New ICMI Executive Committee**

A new Executive Committee (EC) of the International Commission on Mathematical Instruction (ICMI) was elected at the ICMI General Assembly held on 6 July in Monterrey, México. ICMI is an official commission of IMU and till now the election was held at the General Assemblies of IMU. It was the first time that the ICMI General Assembly elected the Executive Committee of ICMI; this was decided by the IMU General Assembly held in Santiago de Compostela, 12–13 August 2006. The members of the 2010–2012 ICMI EC, with the various positions held, are as follows.

- President: William Barton (New Zealand)
- Secretary-General: Jaime Carvalho e Silva (Portugal)
- Vice-Presidents: Mina Teicher (Israel) and Angel Ruiz (Costa Rica)
- Members at large: Mariolina Bartolini Bussi (Italy), Sung Je Cho (Korea), Roger Howe (USA), Renuka Vithal (South Africa), and Zhang Yingbo (China).

The term of this next EC will start on 1 January 2010.

### **Macquarie University: Outreach**

A group of some 35 Year 9/10 girls from Carlingford visited the University on 2 July for talks and demonstrations by staff on the applications of mathematics. Initial feedback was enthusiastic about its value in encouraging interest in mathematics.

Staff attended an information evening at Epping Boys High School in early June, and a meeting in April with careers teachers from a large number of state and private schools.

The training sessions for the national team to represent Australia at the International Mathematics Olympiad were hosted on campus in April.

The Department hosted the annual one day meeting in February for feedback to mathematics teachers on the HSC Examinations in Mathematics, organised by the Mathematics Association.

### **UNSW: 47th Annual Schools Mathematics Competition**

The University of New South Wales Schools Mathematics Competition has been run each year since 1962, and this year took place on 25 June. It is open to participation by secondary school students in New South Wales and the Australian Capital Territory. It is run in two divisions: Junior, up to and including Year 10, and Senior, Years 11 and 12.

The competition is designed to assess mathematical insight and ingenuity rather than efficiency in tackling routine examples. Moreover, students are encouraged to enter the competition if they are able to make some progress towards the solution of at least one of the sample problems that are included with the publicity material.

The competition is an open-book exam. Entrants are allowed to take any books and materials, but not computers with internet connections, into the examination.

Each year, about 1000 students participate, 500 in each division, and prizes and/or certificates are awarded to about 60 in each division. In recent years, the UNSW Schools Mathematics Competition has served as one of the selectors for the Australian team in the International Mathematical Olympiad. Some of our winners have gone on to receive medals there.

### **University of Western Australia**

Professor Cheryl Praeger attended the Executive Committee meeting and General Assembly of ICMI (International Commission for Mathematical Instruction) in Monterrey, Mexico, as a representative of the International Mathematical Union Executive Committee.

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## Completed PhDs

### La Trobe University

- Dr P.S.P. Tse, *Geometric numerical integration: on the numerical preservation of multiple geometric properties for ordinary differential equations*, supervisors: Professor G.R.W. Quispel and Dr D. McLaren

### Macquarie University

- Dr Craig Antonio Pastro, *Hopf algebras and related structures in a categorical environment*, supervisor: Em/Prof Ross Street

### University of Adelaide

- Dr Lynne Giles, *The effects of social networks on the health of older Australians*, supervisors: Gary Glonek and Mary Luszcz

### University of Queensland

- Dr Liam Wagner, *On the construction of braided pre-monoidal nonassociative categories*, supervisors: Dr Jon Links and Dr Phil Isaac

### University of Sydney

- Dr Mauro Grassi, *The isomorphism problem for a class of finitely generated Coxeter groups*, supervisor: Associate Professor Bob Howlett

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## Awards and other achievements

### University of Sydney

- Professor John Robinson has been awarded the Pitman Medal by the Statistical Society of Australia ‘in recognition of outstanding achievement in, and contribution to, the discipline of Statistics’.
- Dr Daniel Daners has received a University of Sydney Faculty of Science award for excellence in teaching.

### University of New South Wales

- Ian Sloan, Scientia Professor in the UNSW School of Mathematics and Statistics, has been honoured with the award of Officer in the General Division of the Order of Australia. The award was announced in the Queen’s Birthday honours of 9 June 2008. The award was for ‘service to education through the study of mathematics, particularly in the field of computational mathematics, as an academic, researcher and mentor, and to a range of national and international professional associations’.

## University of Southern Queensland

- Pat Cretchley has received an Australian Learning and Teaching Council Citation for Outstanding Contribution to Student Learning, 'for advancing undergraduate students' learning and enjoyment of mathematics via sensitive and passionate teaching, research into learning, and scholarly discourse on student learning'.
- Dr Birgit Loch has been awarded a USQ Senior Learning and Teaching Fellowship for semester 1 2009.

Dunedin, New Zealand

## Professor of Pure Mathematics

**Department of Mathematics and Statistics**



UNIVERSITY  
of  
OTAGO  
Te Whare Wānanga o Ōtago  
NEW ZEALAND

Applications are invited for the Chair in Pure Mathematics in the Department of Mathematics and Statistics at the University of Otago, to replace Professor Derek Holton who is retiring in April 2009 after 24 years of distinguished service. Candidates should have an outstanding research record, experience in the supervision of masters and doctoral students, and a strong teaching background. Applicants with research interests in any area of pure mathematics are encouraged to apply. Administrative and management experience would also be an advantage. In due course, Professors in the Department usually assume the duties of Head of Department for an agreed period of time.

The Department currently has three professors, four associate professors, 13 lecturers and senior lecturers, two postdoctoral fellows and two teaching fellows. The Department offers majors at the undergraduate level in the three year BA and BSc degrees as well as four year BSc(Hons), BA(Hons) and BAppSc(Hons) degrees. Postgraduate diplomas, MA/MSc and PhD degrees are also offered by the Department. The Department operates a consulting unit, the Centre for Applications of Statistics and Mathematics.

Specific information about the Department and this vacancy may be obtained from the Department's webpage [www.maths.otago.ac.nz](http://www.maths.otago.ac.nz) or from the Pro-Vice-Chancellor (Sciences), Professor Vernon Squire, Tel 64 3 479 7977, Fax 64 3 479 9045, Email [vernon.squire@otago.ac.nz](mailto:vernon.squire@otago.ac.nz).

The Department is committed to diversity in staffing and we encourage applications from women and other groups who are under-represented in the Mathematical and Statistical Sciences. Parental leave without pay of up to 52 weeks and paid parental leave of up to six weeks' salary may be granted to employees with at least one year's service. The University operates childcare centres covering the period from birth to eight years.

**Applications quoting reference number A08/100 close on Friday 26 September 2008.**

**APPLICATION INFORMATION**

With each application you must include an application form, an EEO Information Statement, a covering letter, contact details for three referees and one copy of your full curriculum vitae. For an **application form, EEO Information Statement and a full job description go to: [www.otago.ac.nz/jobs](http://www.otago.ac.nz/jobs)** Alternatively, contact the **Human Resources Division, Tel 64 3 479 8269, Fax 64 3 479 8279, Email [job.applications@otago.ac.nz](mailto:job.applications@otago.ac.nz)**



Equal opportunity in employment is University policy.

# www.otago.ac.nz/jobs

## Appointments, departures and promotions

### Flinders University

- Dr Fyodor Sukochev has left the School of Computing Science, Mathematics and Engineering for a position as a Professor of Mathematics at the University of New South Wales. Fyodor has been on the staff at Flinders since June 1994.

- Dr Tim Svenson has resigned from the School of Computer Science, Mathematics and Engineering, to take up a position as an investment analyst with Funds SA from September.

### **Macquarie University**

- Two postdoctoral staff completed their appointments on 30 June 2008. Dr Simona Paoli and Dr Frank Valckborgh take up posts in Israel and UNSW, respectively.

### **Swinburne University of Technology**

- Dr Sergey Suslov has accepted an appointment as a Senior Lecturer in Applied Mathematics. He will join Swinburne in late November.

### **University of Adelaide**

- Professor Tony Roberts will commence his appointment as Professor in the School of Mathematical Sciences in September.
- Dr Steven Lord has been appointed as a post-doctoral Research Associate within the Centre for the Quantification and Management of Risk.
- Dr Glenis Crane has been appointed as a post-doctoral Research Associate within the Centre for the Quantification and Management of Risk.
- Mr Nathaniel Jewell has been appointed as a post-doctoral Research Associate in the School of Mathematical Sciences.
- Dr Michael Teubner has retired.

### **University of New South Wales**

- Chris Tisdell was promoted to Senior Lecturer on 1 July 2008.

### **University of Southern Queensland**

- Pat Cretchley is taking voluntary separation from the University and commencing a Senior Lectureship at Queensland University of Technology shortly.
- Dr David Mander has accepted voluntary separation and left the University in August, after 20 years of service.
- Walter Spunde has accepted voluntary separation and will leave the University after 35 years of service.
- Dr Sergey Suslov has resigned from the University after 11 years of service and will start as Senior Lecturer in Applied Mathematics at Swinburne University of Technology in November.

### **University of Sydney**

- Dr Florica Cirstea has transferred to the University of Sydney from the ANU, and will take up a lectureship at Sydney at the end of April 2009.
- Dr Anthony Henderson has been promoted to Senior Lecturer.

### **University of Western Australia**

- Associate Professor Gordon Royle has joined the School.
- Dr Gopalan Nair has joined the School as Senior Lecturer.

- Dr John Lau has joined the School as Lecturer.
- Dr Sukru Yalcinkaya commences on 11 August as a Research Associate.
- Dr Alice Devillers commences on 29 September as a Research Associate.
- Dr Sven Reichard finished his position as Research Associate in July.
- Dr Tsoy-Wo Ma resigned in July.

### University of Wollongong

- Song-Ping Zhu was promoted to Professor in May 2007.

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## Vale

### Flinders University

We are sad to report that Dr Bill Cornish died on 13 July 2008 in Canberra Hospital. Bill was a graduate of the University of Melbourne. He was appointed to Flinders University as a tutor in mathematics in 1966, the first year that the University existed. He became a lecturer in Mathematics in the School of Mathematical Sciences on 1 January 1971, eventually being promoted to Reader on 1 January 1981, a position he held until his retirement from the University on 29 July 1994. He specialised in the area of algebra, particularly lattices and semilattices.

### Macquarie University

Sadly, Dr Nick Dungey died at the end of May. Nick was a fine research mathematician with an impressive publication record in analysis, and a promising career in prospect.

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## Conferences and Courses

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

### 26th Victorian Algebra Conference

Date: 2–3 October 2008

Venue: RMIT's city campus

Web: <http://user.gs.rmit.edu.au/infosec/vac-2008/>

Please check the website for links for registration and the submission of abstracts.

More information about the conference dinner and other matters will be distributed soon. In the meantime, you are invited to register and submit an abstract of your proposed talk (or, at least, give an indication of your intention to present a paper).

### Algebras, Operators and Noncommutative Geometry

Date: Monday 1 December 2008 to Friday 5 December 2008

Venue: Centre for Mathematics and its Applications, ANU

Web: <http://www.maths.anu.edu.au/events/aong08/>

**TRANSITIONS: a one-day workshop on mathematical curriculum issues in the transition from school to university**

Date: 3 December 2008

Location: La Trobe University, Bundoora campus

Web: <http://wt.maths.latrobe.edu.au/register/Conferences/Transitions/>

In honour of Peter Stacey, on the occasion of his retirement. A dinner in Peter's honour will be organised by the Department on the evening of 3 December.

Further information can be obtained from Grant Cairns ([G.Cairns@latrobe.edu.au](mailto:G.Cairns@latrobe.edu.au), tel: 03 9479 1106) and Ed Smith ([E.Smith@latrobe.edu.au](mailto:E.Smith@latrobe.edu.au), tel: 03 9479 2548).

**7th Australia–New Zealand Mathematics Convention (ANZMC2008)**

Date: 8–12 December 2008

Venue: Christchurch, New Zealand

Web: <http://www.math.canterbury.ac.nz/ANZMC2008/>

**4ICC (4th International Conference on Combinatorial Mathematics and Combinatorial Computing)**

Date: 15–19 December 2008 Venue: Auckland, New Zealand

Web: <http://www.cs.auckland.ac.nz/research/groups/theory/4ICC/>

Early-bird registration deadline: 30 September 2008

**Special theme program on group theory, combinatorics and computation**

Date: 5–16 January 2009

Venue: The University of Western Australia, Perth

Web: <http://sponsored.uwa.edu.au/gcc09/>

Email: [gcc09@maths.uwa.edu.au](mailto:gcc09@maths.uwa.edu.au)

The first week will be an international conference in honour of Cheryl Praeger's 60th birthday. This will be followed by an informal week of short courses, workshops and problem sessions, especially beneficial to early career researchers and postgraduate students.

**CATS 2009. Computing: The Australasian Theory Symposium**

Date: 20–23 January 2009

Venue: Victoria University of Wellington, New Zealand

Web: <http://velorum.ballarat.edu.au/~pmanyem/CATS09>

**ANZIAM 2009**

Date: 1–5 February 2009

Venue: Rydges Oasis Resort, Caloundra, Queensland

Web: <http://www.sci.usq.edu.au/conference/index.php/ANZIAM/2009>

The organising committee for the 2009 ANZIAM conference is pleased to advise that the conference will take place at Rydges Oasis Resort, Caloundra, Queensland from Sunday 1 February to Thursday 5 February 2009. Caloundra is about one hour's drive north of Brisbane and the resort can be reached by bus directly from Brisbane and Sunshine Coast airports.

The conference will begin with the traditional Sunday evening BBQ, with the conference dinner to be held on Wednesday evening. Tuesday afternoon will be free for registrants to pursue any of the varied leisure activities available on the Sunshine Coast.

This year again boasts an excellent list of invited speakers covering a broad spectrum of applied mathematics. The speakers are: Prof Jim Hill (Wollongong, ANZIAM Medalist, 2008); Dr Carlo Laing (Massey, JH Michell Medalist, 2008); Prof Ian Turner (QUT); Prof Kerrie Mengersen (QUT); Prof Phillip Maini (Oxford); Dr Graham Weir (Industrial Research Limited, NZ); Prof Guy Latouche (Bruxelles); Prof Natasha Boland (Newcastle).

For further information relating to registration and deadlines, please check the website or contact Peter Johnston ([p.johnston@griffith.edu.au](mailto:p.johnston@griffith.edu.au)) or Scott McCue ([scott.mccue@qut.edu.au](mailto:scott.mccue@qut.edu.au)).

### **HDA09: 3rd workshop on high-dimensional approximation**

Date: 16–20 February 2009

Venue: School of Mathematics and Statistics, University of New South Wales

Web: <http://conferences.science.unsw.edu.au/hda09/>

*Call for papers.* The HDA workshop covers current research in all aspects of high dimensional integration and approximation and is open to all with an interest in the area. It is organised under the auspices of the ARC Centre of Excellence in Mathematics and Statistics of Complex Systems, the ANU Centre for Mathematics and its Applications and the DFG SPP 1324: Extraction of Quantifiable Information from Complex Systems.

The scientific committee consists of: Jochen Garcke (Matheon and TU Berlin, Germany); Michael Griebel (U Bonn, Germany); Wolfgang Hackbusch (Max Planck Institute Leipzig, Germany); Markus Hegland (ANU, Australia); George Karniadakis (Brown U and MIT, USA); Frances Kuo (UNSW, Australia); Ian Sloan (UNSW, Australia); Henryk Wozniakowski (Columbia U, USA and Warsaw U, Poland); Harry Yserentant (TU Berlin, Germany).

The program will consist solely of contributed talks (on the principle that everybody is equal) with no parallel tracks and we especially encourage young researchers as well as settled researchers to contribute. Interaction between researchers is one of the main goals of this workshop. We are pleased to already have prominent names agreeing to contribute talks to this workshop (see website).

Please register before 15 October and submit abstracts of talks before 1 November, through the website. The workshop will have no parallel sessions, therefore the number of participants will be limited by the size of the lecture theatre.



Organisers: Dirk Nuyens (UNSW, Australia and KULeuven, Belgium) and Paul Leopardi (ANU, Australia).

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### Correction

In Issue 35(1) of the *Gazette*, Cheryl Praeger's article entitled 'The essential elements of mathematics: a personal reflection' gave an incorrect reference for the interview of Solomon Marcus (reference [5]). The correct reference is 'Berinde, M. (2003). Interview with Solomon Marcus. *European Math. Soc. Newsletter*, December 2003, 15–17. [http://www.emis.de/newsletter/archive\\_contents.html\#nl\\_50](http://www.emis.de/newsletter/archive_contents.html\#nl_50).' This has been corrected on our website.

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### Visiting mathematicians

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

- Prof Takashi Aoki; Kinki University; 1 to 11 September 2008; Painleve equations; USN; N. Joshi
- Dr Florent Autin; Université Paris 7; 15 October 2008 to 15 December 2008; maxisets; USN; M. Raimondo
- Prof Rosemary Bailey; University of London; 22 to 30 November 2008 and 7 to 20 December 2008; design of experiments; USA; Dr Chris Brien
- Prof Thomas Bartsch; Giessen; 1 October 2008 to 15 November 2008; topological methods in nonlinear analysis; USN; E.N. Dancer
- Prof Vicek Borkar; Tata Institute of Fundamental Research, India; 11 October 2008 to 1 November 2008; stochastic control and applied probability; USA; Prof Jerzy Filar
- Prof Yuri Borovskikh; Transport University; 7 July 2008 to 7 September 2008; asymptotics; USN; N.C. Weber
- Prof Dorin Bucur; Université de Savoie; 1 October 2008 to 30 November 2008; boundary value problems for partial differential equations; USN; E.N. Dancer
- Prof Alain Bruguieres; University of Montpellier II; 1 November 2008 to 10 December 2008; Hopf algebras and category theory; MQU; Em/Prof Ross Street
- Prof Dorin Bucur; Université de Savoie; 1 October 2008 to 30 November 2008; boundary value problems for partial differential equations; USN; E.N. Dancer
- Dr Nirmalendu Chaudhuri; University of Wollongong; 1 July 2008 to 31 December 2008; applied and nonlinear analysis; ANU; Neil Trudinger
- Dr Angelina Yan Mui Chin; University of Malaya; 1 to 30 September 2008; computational algebra; USN; J.J. Cannon
- Dr Florica Cirstea; University of Sydney; 14 July 2008 to 14 July 2011; applied and nonlinear analysis; ANU; Neil Trudinger

- Dr Denis-Charles Cisinski; University of Paris XIII; 20 August 2008 to 10 September 2008; higher category theory; MQU; Dr Michael Batanin
- Prof David Clark; SUNY, New Platz, NY, USA; 15 October 2008 to 15 December 2008; universal algebra; LTU; Drs Brian A. Davey and Jane G. Pitkethly
- Dr Robert Clark; University of Wollongong; 1 July 2008 to 1 July 2011; statistical science; ANU; Alan Welsh
- Prof Garth Dales; University of Leeds; 2 October 2008 to 24 October 2008; analysis and geometry; ANU; Rick Loy
- Dr Tim Dokchitser; Cambridge University; 24 August 2008 to 29 September 2008; computational algebra; USN; J.J. Cannon
- Mr Ivan Dynov; Max-Planck Institut fur Mathematik; 1 September 2008 to 31 December 2008; analysis and geometry; ANU; Alan Carey
- Prof Ahmad Erfanian; University of Mashland, Iran; May to December 2008; UWA; Prof Cheryl Praeger
- Em/Prof Christopher Field; Dalhousie University; 7 November 2008 to 3 December 2008; asymptotic methods in statistics; USN; J. Robinson
- Prof Fereidoun Ghahramani; University of Manitoba; 10 November 2008 to 1 January 2009; analysis and geometry; ANU; Rick Loy
- Dr Volker Grimm; Duesseldorf, Germany; 12 August 2008 to 9 September 2008; geometric integration; LTU; Prof G.R.W. Quispel
- A/Prof Hong Gu; Dalhousie University, Canada; 3 September 2008 to 30 October 2008; –; UMB; Prof Richard Huggins
- Prof Zongming Guo; Henan Normal University; 31 August 2008 to 15 November 2008; large solutions of nonlinear elliptic partial differential equations; USN; E.N. Dancer
- Dr Paul Hammerton; University of East Anglia; 1 August 2008 to 20 September 2008; –; UAD; Prof Andrew Bassom
- Prof Alain B Haurie; University of Geneva, Switzerland; 23 October 2008 to 3 November 2008; control and game theory and their applications in management and environmental modelling; USA; Prof Jerzy Filar
- Prof Gerhard Hill; RWTH Aachen University; 21–29 October 2008; –; UWA; Prof Cheryl Praeger and Dr Alice Niemeyer
- Prof Chong Chao Huang; Wuhan University, China; June 2008 to January 2009; –; UWA; A/Prof Song Wang
- Dr Alexey Isaev; Bogoliubov Laboratory of Theoretical Physics, Russia; 1 October 2008 to 1 December 2008; quantum algebras, their symmetries, invariants and representations; USN; A.I. Molev
- Prof Eva Vedel Jensen; University of Aarhus; 26 September 2008 to 3 October 2008; –; UWA; Prof Adrian Baddeley
- Prof Takahiro Kawai; Kyoto University; 31 August 2008 to 11 September 2008; Painleve equations and asymptotics of integrable systems; USN; N. Joshi
- Prof Satoshi Koike; Hyogo University of Further Education; 5 to 29 September 2008; Trilipschitz properties; USN; L. Paunescu
- Dr Philip Kokic; ABARE; 8 July 2008 to 7 July 2009; statistical science; ANU; Alan Welsh

- Dr Jacek Krawczyk; Victoria University of Wellington, New Zealand; 1 September 2008 to 7 November 2008; economic and environmental applications of control theory and dynamical systems; USA; Prof Jerzy Filar
- Prof Tony Krzesinski; University of Stellenbosch, South Africa; 21 November 2008 to 23 December 2008; –; UMB; Prof Peter Taylor
- Prof Harold Kushner; Lefschetz Center for Dynamical Systems, Brown University, USA; 22 September 2008 to 4 October 2008; stochastic control and systems theory; USA; Prof Jerzy Filar
- Dr Philippe Lauret; University of La Reunion, Reunion Island; 8 August 2008 to 9 February 2009; mathematical and statistical modeling of energy systems; USA; A/Prof John Boland
- Prof Charles Leedham-Green; Queen Mary and Westfield College; 30 December 2008 to 17 January 2009; –; UWA; Dr Alice Niemeyer
- Ms Nan Li; The Sichuan Normal University, China; 1 February 2008 to 31 January 2009; –; UWA; A/Prof Song Wang
- Dr Martin Markl; Institute of Mathematics of the Academy of Sciences of the Czech Republic; 18 November 2008 to 15 December 2008; higher category theory; MQU; Dr Michael Batanin
- Dr James McCoy; University of Wollongong; 1 January 2009 to 30 June 2009; applied and nonlinear analysis; ANU; Ben Andrews
- Prof William Messing; University of Minnesota; 20 September 2008 to 29 October 2008; algebra and topology; ANU; Amnon Neeman
- Dr Christine Mueller; University of Kassel, Germany; 1 October 2008 to 31 December 2008; –; UMB; Prof Richard Huggins
- Dr Gernot Mueller; University of Technology, Munich; 25 October 2008 to 26 December 2008; financial mathematics; ANU; Ross Maller
- Dr Alireza Nematollahi; University of Shiraz; 15 December 2007 to 15 December 2008; multivariate analysis and time series; USN; N.C. Weber
- Prof Sen Huat Ong; University of Malaya; 1 June 2008 to 31 October 2008; financial time series modelling; USN; M.S. Peiris
- Prof Shuangjie Peng; Central China Normal University; 15 June 2008 to 31 January 2009; nonlinear elliptic partial differential equations; USN; E.N. Dancer
- Prof Helen Perk; Oklahoma State University; 1 August 2008 to 31 May 2009; mathematical physics; ANU; Murray Batchelor
- Prof Jacques Perk; Oklahoma State University; 1 August 2008 to 31 May 2009; mathematical physics; ANU; Murray Batchelor
- Prof Ulf Persson; Chalmers University; 1 November 2008 to 31 December 2008; algebra and topology; ANU; Amnon Neeman
- Dr Frederic Robert; Université de Nice; 14 November 2007 to 3 November 2008; applied and nonlinear analysis; ANU; Florica Cirstea
- Dr Jerome Scherer; Universitat Autònoma de Barcelona; 3 September 2008 to 15 December 2008; algebra and topology; ANU; Amnon Neeman
- Prof Felix Schulze; Freie Universität; 20 August 2008 to 2 October 2008; applied and nonlinear analysis; ANU; Ben Andrews
- Dr Mahendran Shitan; University Putra, Malaysia; 1 June 2008 to 31 October 2008; theory for the class of generalised autoregression under mathematical statistics/times series analysis; USN; M.S. Peiris

- Dr Qiao Shouhong; Sun Yat-sen University, China; 1 March 2008 to March 2009; –; UWA; A/Prof Cai Heng Li
- Maryam Solary; Guilan University, Iran; July 2008 to January 2009; –; UWA; A/Prof Song Wang
- Dr Damien Stehle; Ecole Normale Supérieure, Lyon; 19 July 2008 to 18 July 2009; computational aspects of lattices; USN; J.J. Cannon
- Prof Ralph Stohr; University of Manchester; 21 September 2008 to 10 December 2008; algebra and topology; ANU; Laci Kovacs
- A/Prof Bijan Taeri; Isfahan University of Technology, Iran; 1 September 2008 to 1 September 2009; UWA; Prof Cheryl Praeger
- Prof Yoshitsugu Takei; Kyoto University; 31 August 2008 to 11 September 2008; Painlevé equations and asymptotics of integrable systems; USN; N. Joshi
- Prof Alexis Virelizier; University of Montpellier II; 1 November 2008 to 10 December 2008; Hopf algebras and category theory; MQU; Em/Prof Ross Street
- Dr Mark Weber; University of Paris VII; 1 August 2008 to 20 September 2008; higher category theory; MQU; Dr Michael Batanin
- Dr Huoxiong Wu; Xiamen University, China; January 2008 to November 2008; harmonic analysis and partial differential equations; MQU; X.T. Duong
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# 1<sup>st</sup> PRIMA Congress

July 6-10, 2009

Sydney Australia

University of New South Wales

<http://www.primath.org/prima2009/>

## Plenary Speakers:

Myles Allen (Oxford)  
Kenji Fukaya (Kyoto U.)  
Seok-Jin Kang (Seoul National U.)  
Shige Peng (Shandong U.)  
Cheryl Praeger (U. Western Australia)  
Gunther Uhlmann (U. Washington)

Federico Ardila (San Francisco & Los Andes)  
Nassif Ghoussoub (UBC)  
Yujiro Kawamata (U. Tokyo)  
Linda Petzold (UC Santa Barbara)  
Gang Tian (Princeton)

## Scheduled Special Sessions:

**ALGEBRAIC GEOMETRY** - J. Keum (KIAS), L. Ein (UIC), K. Ogiso (Keio U.)  
**COMMUTATIVE ALGEBRA** - D. Eisenbud (UC Berkeley), A. K. Singh (U. Utah), K. Watanabe (Nihon)  
**COMPUTATIONAL ALGEBRA** - J. Cannon (U. Sydney), K. Geddes (U. Waterloo)  
**DYNAMICAL SYSTEMS** - D. Lind (U. Washington), T. Dooley (UNSW), G. Froyland (UNSW)  
**GEOMETRIC ANALYSIS** - G. Tian (Princeton), J. Chen (UBC), W. Ding (Peking U.)  
**INDUSTRIAL APPLICATIONS OF MATHEMATICS** - R. Kuske (UBC), A. Tordesillas (U. Melbourne)  
**INVERSE PROBLEMS** - G. Uhlmann (U. Washington), G. Bal (Columbia)  
**MATHEMATICS OF CLIMATE CHANGE** - M. England (UNSW), C. Jones (U. North Carolina)  
**MATHEMATICAL FINANCE** - S. Peng (Shandong U.), I. Ekeland (UBC)  
**MATHEMATICAL PHYSICS** - R. Benguria (U. Católica de Chile), T. Gutmann (U. Melbourne)  
**PARTIAL DIFFERENTIAL EQUATIONS** - N. Ghoussoub (UBC), Y. Long (Nankai U.)  
**SCIENTIFIC COMPUTING** - L. Petzold (UC Santa Barbara), J. Sloan (UNSW)  
**STRINGY TOPOLOGY** - A. Adem (UBC), Y. Ruan (U. Michigan), C. Westerland (U. Melbourne)  
**SYMPLECTIC GEOMETRY** - K. Fukaya (Kyoto U.), Y. Eliashberg (Stanford)



PRIMA



The Pacific Rim Mathematical Association