



News

General News

Australian Academy of Science

The following four medals awarded by the Australian Academy of Science recognise research achievements in the mathematical sciences.

Inaugural Christopher Heyde Medal. The Australian Academy of Science has established the Christopher Heyde Medal to honour the contributions to mathematics by Professor Christopher Charles Heyde AM, DSc, Hon DSc(Syd), FAA, FASSA.

In recognition of Professor Heyde's broad interests in the mathematical sciences the award is offered in one of three fields on a rotating basis: pure mathematics; applied, computational and financial mathematics; and probability theory, statistical methodology and their applications.

The award's purpose is to recognise distinguished research in the mathematical sciences by a researcher aged under 40 years at the closing date, except in the case of significant interruptions to a research career. The award may be made annually, with a prize of \$10 000, and is restricted to candidates who are normally resident in Australia.

The 2011 Christopher Heyde Medal is for research in pure mathematics.

Details of the nomination process, which closes on 30 July 2010, can be found at <http://www.science.org.au/awards/awards/heyde.html>.

The Moran Medal. The Moran Medal recognises the contributions to science of the late P.A.P. Moran, FAA. Its purpose is to recognise outstanding research by scientists aged under 40 years at the closing date, except in the case of significant interruptions to a research career, in one or more of the fields of applied probability, biometrics, mathematical genetics, psychometrics and statistics. The award is normally made every two years.

Details of the nomination process, which closes on 30 July 2010, can be found at <http://www.science.org.au/awards/awards/moran.html>.

The Hannan Medal. The Hannan Medal recognises research in any of the fields of statistical science, pure mathematics, applied mathematics and computational mathematics and is made in one of those three areas in turn at two-yearly intervals. It honours the contribution to time series analysis of the late Professor E.J. Hannan, FAA, Professor of Statistics at the Research School of Social Sciences of the Australian National University.

The award is made for research carried out mainly in Australia. Work carried out through a candidate's entire career is taken into consideration but special weight is given to recent research.

The 2011 Hannan Medal is for research in applied mathematics and computational mathematics.

Details of the nomination process, which closes on 30 July 2010, can be found at <http://www.science.org.au/awards/awards/hannan.html>.

The Thomas Ranken Lyle Medal. The Thomas Ranken Lyle Medal recognises the contribution of Sir Thomas Ranken Lyle, FRS, to Australian science and industry generally and in particular to his own fields of physics and mathematics. The purpose of the medal is to recognise outstanding achievement by a scientist in Australia for research in mathematics or physics.

Research carried out in countries other than Australia may be taken into consideration if the researcher has spent three of the last five years in Australia. Work carried out during the whole of the candidate's career may be taken into consideration but special weight will be given to recent work. The award is normally made every two years.

Details of the nomination process, which closes on 30 July 2010, can be found at <http://www.science.org.au/awards/awards/lyle.html>.

Australian Curriculum Assessment and Reporting Authority

The proposed new senior subjects for the Mathematics National Curriculum can now be viewed at the Australian Curriculum Assessment and Reporting Authority (ACARA) website (www.acara.edu.au). There are four mathematics courses: Essential Mathematics, General Mathematics, Mathematical Methods and Specialist Mathematics. Comments on them are being invited by ACARA until 30 July.

Queen's Birthday Honours

We are delighted to report the following awards of the Medal of the Order of Australia in the Queen's Birthday Honours list.

William Charles Summerfield, for service to education, particularly in the field of mathematics.

In 1999 Bill was made an honorary member of AustMS, in recognition of his services to ANZIAM. The Council resolution at that stage recorded the following tribute.

Bill Summerfield has been the Secretary of ANZIAM and its predecessor (Division of Applied Mathematics) for a period of fifteen years. During this time he has become the backbone of the ANZIAM organization and has provided a degree of continuity, which it would otherwise have lacked. He has exhibited a remarkable degree of dedication to all aspects of ANZIAM activities, to the extent that it has become a major part of his life. Certainly, during this period he has greatly assisted the Chair of ANZIAM such that it is difficult to conceive undertaking this role without his assistance and balanced advice. Bill Summerfield has provided and continues to provide outstanding service to the Australian Mathematical Society.

Robert Scott Anderssen, for service to the mathematical and information sciences.

Bob has made many contributions to the Society, including as President from 1984–1986. His achievements have been recognised by the award of the George Szekeres Medal in 2004 and the ANZIAM Medal in 2010. The citation for the latter can be found in the March 2010 issue of the *Gazette* at <http://www.austms.org.au/Gazette+Volume+37+Number+1+March+2010>. Its summary is that

Bob Anderssen has lived the life of the committed Applied and Industrial Mathematician, and he has demonstrated, through his enthusiasm, energy and sustained achievement, that he well and truly meets the criteria for this award.

Sydney University

The SUMS (Sydney University Mathematical Society) Problem Competition, sponsored by the Co-op Bookshop, is open to all Australian undergraduates. A \$60 book voucher will be awarded for the best correct solution to each of the 10 problems, which can be found at www.maths.usyd.edu.au/u/SUMS/. This year's closing date is Friday 13 August 2010.

University of New South Wales

Chris Tisdell's Vector Calculus series of OpenCourseWare online learning videos are now available through Academic Earth.

Academic Earth aims to

... give internet users around the world the ability to easily find, interact with, and learn from full video courses and lectures from the world's leading scholars. [The] goal is to bring the best content together in one place and create an environment in which that content is remarkably easy to use and where user contributions make existing content increasingly valuable.

The Vector Calculus videos may be accessed at <http://academicearth.org/courses/vector-calculus>.

University of Western Australia

The Department of Mathematics and Statistics at UWA produced a number of films and tapes of lectures and seminars by visiting mathematicians in the 1970s and 1980s. These include presentations by, for example, Paul Halmos, Ed Hewitt, Al Tucker and Gustave Choquet. Since we now are compelled to clean out our archives, we plan to convert some to electronic media and throw others away. If you or your department or institution are interested in obtaining copies, or the originals, of this material, please contact Phill Schultz, School of Mathematics and Statistics, The University of Western Australia (schultz@maths.uwa.edu.au).

Completed PhDs

Australian National University

- Dr Jörg Arndt, *Generating random permutations*, supervisor: Richard Brent.
- Dr Sumaira Qureshi, *Bioinformatics developments in the longest common sub-sequence problem and the application of spectral envelopes*, supervisor: Sue Wilson.

La Trobe University

- Dr Omar Rojas, *From discrete integrable systems to cellular automata*, supervisors: Reinout Quispel, Peter van der Kamp and Tim Garoni.

University of Adelaide

- Dr Daniel Marshall, *Conics, unitals and net replacement*, supervisors: Susan Barwick and Rey Casse.
- Dr David Roberts, *Fundamental bigroupoids and 2-covering spaces*, supervisors: Michael Murray and James Stashe.

University of Melbourne

- Dr Chris Goddard, *Various topics in comparison geometry and discrete mathematics*, supervisor: Hyam Rubinstein.

University of New South Wales

- Dr Therese Keane, *Combat modelling with partial differential equations*, supervisors: Jim Franklin and Gary Froyland.
- Dr Zhi Jun Guo, *Small time asymptotics of implied volatility under local volatility models*, supervisor: Ben Goldys.
- Dr Nathan Pearce, *Kernel methods for data analysis*, supervisor: Matt Wand.
- Dr James Pettigrew, *Characterising singular curves in parametrised families of biquadratics*, supervisor: John Roberts.
- Dr Atiya Zaidi, *Existence and uniqueness of solutions to non-linear first order dynamic equations on time scales*, supervisor: Chris Tisdell.

University of Queensland

- Dr Peter Finch, *The Drinfeld double of dihedral groups and integrable systems*, supervisors: Karen Dancer, Phil Isaac and Jon Links.
- Dr Zdravko I. Botev, *The generalized splitting method for combinatorial counting and static rare-event probability estimation*, principal advisor: Dirk Kroese.

University of Sydney

- Dr Sebastian Hermann, *Numerical investigation of the large core limit of spiral waves in excitable media*, supervisor: Georg Gottwald.

University of Western Australia

- Dr Hamood Amur Hamood Alwardi, *Efficient algorithms for solving Hamilton–Jacobi–Bellman equations*, supervisors: Song Wang and Leslie S. Jennings

Awards and other achievements

Australian National University

- Professor Alan Carey has been awarded the Humboldt Research Award in recognition of his past accomplishments in research and teaching.

Griffith University

- Environmental Futures Centre researcher Dr Gurudeo Anand Tularam has been recognised with a prestigious Non Resident Indians (NRI) Welfare Society ‘Hind Rattan Award’. Dr Tularam was recognised for his outstanding services, achievements and contributions to Vedic math, philosophy and religion. The Hind Rattan Award (which, in Hindi, means ‘Jewel of India’) is given yearly to about 30 members of the worldwide Indian community.

Monash University

- Christian Jakob has been selected to be the Lead Author for the Fifth Assessment Report of the Intergovernmental Panel on Climate Change.
- Congratulations to Professor Robert Charles Griffiths, on being elected as a Fellow of the Royal Society. Bob joined our School (Department then) in 1973 as a lecturer in Statistics. He became a Reader in Statistics in 1989. Bob left Monash in 1998 to take up a lectureship in the Department of Statistics at Oxford University. He became Professor at Oxford two years later. Bob’s research is in mathematical population genetics.

The citation reads:

Professor Robert Charles Griffiths, FRS, Professor of Mathematical Genetics, Department of Statistics, and Fellow of Lady Margaret Hall, University of Oxford.

Professor Robert Charles Griffiths is Professor of Mathematical Genetics at University of Oxford and is distinguished for his fundamental contributions to Mathematical Population Genetics in the study of evolutionary stochastic processes, probability distributions of gene frequencies and of genealogical trees. He initiated and developed computational algorithms for full likelihood inference of population genetics parameters from DNA sequences, and ancestral inference, such as finding the time to the most recent common ancestor and ages of mutations in genealogical trees.

University of Sydney

- Leon Poladian received a Faculty of Science citation for Excellence in Teaching.

- Libo Li won a Faculty Postgraduate Research Prize recognising ‘outstanding postgraduate achievements, particularly during the early phases of candidature’.
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Appointments, departures and promotions

Australian National University

- Dr Sumaira Qureshi has been appointed as a postdoctoral fellow from 3 May 2010.
- Dr Frederic Rochon has been appointed as a lecturer from July 2010.
- Dr Katharina Neusser will start at CMA/MSI as a postdoctoral fellow, working with Mike Eastwood from 5 July 2010.
- Dr Kees van Schaik will start at CMA/MSI as a postdoctoral fellow, working with Ross Maller from 1 November 2010.
- Dr Lecure Guillaume will start as a postdoctoral fellow on June 2010.

Macquarie University

- Dr Steve Lack (currently at the University of Western Sydney) has accepted an appointment at Macquarie University as Associate Professor in Mathematics, commencing on 12 July 2010. Steve has a distinguished record in category theory that was most recently recognised with his award of the 2009 Australian Mathematical Society Medal.

Monash University

- Dr Guillaume Laibe commenced as a research fellow on 21 May 2010. The goal of Guillaume’s work is to understand the evolution of grains during the early stages of planet formation, with special focus on the coupling between dust dynamics and grain growth. The main purpose is to explain in which way grains are not accreted onto the central star when they reach the optimal size of migration and to predict the grain size distributions for various kind of nebulae and growth models. To perform such analysis, Guillaume is using a full 3D two-phase (gas and dust) SPH code; and also deriving analytical models so as to give rise to the important physical parameters involved.

University of Adelaide

- Dr Pedram Hekmati from the Royal Institute of Technology, has joined the School as a postdoctoral research associate, working with Mathai Varghese.
- Dr Guanghua Lian, from the University of Wollongong, has joined the School as a postdoctoral research associate, working with Robert Elliott and Nigel Bean.
- Dr Judy Bunder, from the University of Wollongong, has joined the School as a postdoctoral research associate, working with Tony Roberts.
- Dr Barry Cox, from the University of Wollongong, has joined the School as Senior Lecturer in Applied Mathematics.

- Professor Jim Hill, from the University of Wollongong, has joined the School as Professor in Applied Mathematics.

University of Ballarat

- Professor Sidney Morris retired from the University after an outstanding academic career spanning 40 years. Sid has had an incredible impact not only on the Graduate School of Information Technology and Mathematical Sciences, but also on the University of Ballarat as a whole. Sid will continue to have a significant input as an Emeritus Professor (awarded 3rd May 2010).

University of Melbourne

- Dr Henry Segerman has been appointed as a research fellow.
- Dr David Chui has been appointed as a research fellow.
- Ms Marnie Collins, Statistical Consultant, has left.

University of South Australia

- Professor Phil Howlett retired from the University after 45 years of service. Phil will continue his association with the University, having been awarded the title of Emeritus Professor (from 1st June 2010).
- Dr Penny Sanchez has been appointed as a lecturer.
- Regina Burachik has been appointed as Associate Professor in Optimisation.

University of Sydney

- Wen-Kain Wang has been appointed as a research associate, starting 1 April 2010, working under the supervision of Christian Ewald.
- Fernando Viera has been appointed as a research fellow.

University of Western Australia

- Simon Guest, a postdoctoral research associate, commenced on 1 January 2010.
- James Springham, a postdoctoral research associate, commenced on 4 January 2010.

University of Wollongong

- Professor Jim Hill, formerly a professorial fellow at the University of Wollongong, will take up the position of Professor of Applied Mathematics in the School of Mathematical Sciences at the University of Adelaide on 1 July. Professor Hill is a former Chair of ANZIAM (Australian and New Zealand Industrial and Applied Mathematics), and a recipient of the ANZIAM Medal.
 - Rod Nilsen, Jacqui Ramagge and Graham Williams have been promoted to Professor.
 - Judith Bunder and Barry Cox have left the university.
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Gazette News

There have been several changes of local correspondent in recent months. The editors of the *Gazette* wish to thank the following people for their efforts as local correspondents. Current correspondents are listed inside the back cover.

- John Hewitt (University of South Australia)
 - John Louis (Charles Sturt University)
 - Imre Bokor (University of New England)
 - Valeri Stefanov (University of Western Australia)
 - Rodney Weber (ADFA)
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New Books

University of Adelaide

- Roberts, A.J. (2009). *Elementary Calculus of Financial Mathematics*. (Monographs on Mathematical Modeling and Computation 15). SIAM, PA, USA.

University South Australia

- Filar, J.A. and Haurie, A. (eds) (2010). *Uncertainty and Environmental Decision Making*. International series in Operations Research and Management Science, Vol. 138. Springer, New York.
- Hudson, I.L. and Keatley, M.R. (eds) (2009). *Phenological Research: Methods for Environmental and Climate Change Analysis*. Springer.

University of Western Australia

- Black, K., Asafu-Adjaye, J., Khan, N. (UWA), Perera, N., Edwards, P. and Harris, M. (2010). *Australasian Business Statistics*, 2nd edn. John Wiley.
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Conferences and Courses

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

Dynamics Days Asia Pacific 6 (DDAP6)

Date: 12–14 July 2010

Venue: School of Mathematics and Statistics, UNSW

Web: conferences.science.unsw.edu.au/DDAP6/DDAP6.html

1st Conference of the European Society for Mathematics and the Arts

Date: 19–20 July 2010

Venue: Institut Henri Poincaré, Amphi Hermite, Paris

Contact: C.P. Bruter (bruter@univ-paris12.fr), Hervé Lehning (lehning@noos.fr)

STATPHYS 24: The XXIV International Conference on Statistical Physics of the International Union for Pure and Applied Physics

Date: 19–23 July 2010

Venue: Convention Centre, Cairns, Queensland

Web: www.statphys.org.au

AMSI Workshop: Algorithms, Algebra and Analysis in Four Dimensions

Date: 20–21 July 2010

Venue: The University of Queensland

Web: www.maths.uq.edu.au/~tillmann/4md/

Four-dimensional topology is an important branch of geometry and topology. Many important problems — as well as the decidability of these problems — are still open, and in recent decades the field has become a focus of international activity.

This workshop will bring together researchers in four-dimensional topology from around Australia, to foster interaction and collaboration in this area. The main impact of this workshop will be to stimulate interaction between researchers in the three key areas of algorithms, algebra and analysis, to bring about new collaborations to work on difficult problems that cannot be tackled from one viewpoint alone.

There is no deadline for registration. However, for catering purposes and reservation of accommodation, you should contact the organisers as soon as possible if you're intending to attend the workshop.

Confirmed speakers: Bea Bleile (University of New England), Ryan Budney (University of Victoria), Ben Burton (University of Queensland), Bell Foozwell (Trinity College), Jonathan Hillman (University of Sydney), Hyam Rubinstein (University of Melbourne), and Craig Westerland (University of Melbourne),

We gratefully acknowledge the generous support of the Australian Mathematical Sciences Institute, and the School of Mathematics and Physics at the University of Queensland.

**Mathematics and Physics on the Borderline
between Algebraic and Differential Geometry**

Date: 26–30 July 2010

Venue: Centre for Mathematics and its Applications, ANU

Web: www.maths.anu.edu.au/~eastwood/workshop.html

Organisers: James Borger, Michael Eastwood and Amnon Neeman

Speakers: Paul Baird, Nicholas Buchdahl, Jack Hall, Eric Katz, Sheldon Katz, J.M. Landsberg, Claude LeBrun, Daniel Murfet, Dragos Oprea, Rahul Pandharipande, Mihai Paun, Vivek Shende, Jian Song, Mathai Varghese, Craig Westerland, Aleksey Zinger.

Please see the website for more details, including how to register for this meeting.

International Congress of Mathematicians: ICM2010

Date: 19–27 August 2010

Venue: Hyderabad International Convention Centre, Hyderabad, India

Web: www.icm2010.org.in

There are posters for ICM2010 at www.icm2010.org.in/posters.php. Feel free to print them out and display them at appropriate locations.

International Conference on Geometric and Nonlinear Partial Differential Equations

Date: 30 August – 3 September 2010

Venue: Mission Beach, Queensland

Web: www.maths.uq.edu.au/~hong/Missionbeach.htm

This conference will be run similarly to a successful meeting at the same location in 1998 which generated a lot of interest in a sequel. The conference will host many of the leading international researchers in differential geometry and partial differential equations as well as provide the opportunity for young researchers and PhD students to get together to discuss new work in the field.

The conference will be run along similar lines to Oberwolfach and Banff workshops, with a mixture of expository talks and focused discussion sessions covering highly topical research areas such as geometric flows and their applications, optimal transportation, complex and conformal geometry, regularity issues in nonlinear PDEs, reaction diffusion equations, singular variational problems.

The conference is organised by the Australian National University and sponsored by the Australian National University and the Australian Mathematical Sciences Institute.

Further details and registration information is available on the conference website.

Limited funds are also available to defray accommodation costs for some participants. Those interested in such support should contact the conference organisers directly through alison.irvine@anu.edu.au.

2010 AustMS Early Career Workshop

Date: 25–26 September 2010

Venue: Rydges Oasis Resort, Caloundra, Queensland

Web: www.maths.uq.edu.au/~tillmann/austms10

54th Annual Meeting of the Australian Mathematical Society

Date: 27–30 September 2010

Venue: University of Queensland, St Lucia campus

Web: www.smp.uq.edu.au/austms2010

Australian Learning & Teaching Council Project

Date: 30 September – 1 October 2010

Venue: University of Queensland, St Lucia campus

Web: www.austms.org.au/ALTC

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

Birgit Loch (bloch@swin.edu.au)

We invite all staff to attend a training workshop (symposium) on effective teaching and learning in the quantitative disciplines. It is being run for tertiary teachers of mathematics and statistics under the auspices of a project funded by the Australian Learning & Teaching Council. It is also supported by the Australian Mathematical Society.

It will be held on 30 September to 1 October 2010 at the University of Queensland, Brisbane (St Lucia campus), immediately following the 54th Annual Meeting of the Australian Mathematical Society (27–30 September 2010).

The symposium is targeted mainly at early-career academics, but is also of interest to those who are more experienced who would like to upgrade their skills. The symposium will provide practical ways of sharing and developing strategies of teaching in the quantitative disciplines. Participants and facilitators will work in small groups in interactive sessions to enable peer learning.

Plenary talks and interactive break-out sessions will focus on industrial applications of mathematics, using technology including software and online learning platforms, methods of teaching in tutorials and lectures, and assessment practices.

The project team will set up a learning management system to enable on-going assessment, to complete further learning modules within the project, and to provide relevant teaching and learning resources to symposium participants.

To register your attendance or receive updates on plenary speakers and a detailed programme, visit the website.

Early-bird registration by 31 August 2010 is free for AustMS members, \$55 for non-AustMS members (leading to AustMS membership). Travel support is available upon application.

CARMA and AMSI Workshop on Functional and Nonlinear Analysis

Date: 2–4 October 2010

Venue: The University of Newcastle

Web: carma.newcastle.edu.au/carmaevents.shtml

Contact: juliane.turner@newcastle.edu.au

Keynote speakers: Professor J. Diestel (Kent State University), Professor Anthony Lau (University of Alberta) and Professor George W. Willis (The University of Newcastle).

Other speakers include Laureate Professor Jonathan Borwein (The University of Newcastle), Dr Jeff Hogan (The University of Newcastle) and Dr Warren Moors (University of Auckland).

Registration is free. The workshop will contribute toward the cost of accommodation for participants. There are direct flights to Newcastle from Brisbane which may be of use for anyone wishing to attend on their way south from the Annual General Meeting of the Australian Mathematical society in Brisbane.

Workshop on Discrete Optimisation with Applications in Transport, Logistics, and Networks

Date: 12–15 October 2010

Venue: School of Mathematics and Statistics, UNSW

Web: <http://do10.maths.unsw.edu.au>

Contacts: Gary Froyland (g.froyland@unsw.edu.au)

Lyn Forsyth (l.forsyth@unsw.edu.au)

DO10 is organised by MASCOS, the Australian Research Council Centre of Excellence for Mathematics and Statistics of Complex Systems, in conjunction with an international consortium of Mathematical Research Centres of Excellence from Canada, Chile, and Germany (MITACS, CMM, and MATHEON). This workshop is the third in the series of such collaborative meetings. Previous workshops were on ‘Rock Mechanics and Planning in Mining’ in Santiago, Chile (2007) and on ‘Natural Resources and Mathematical Economics’ at Banff International Research Station (2006).

The purpose of this workshop is to bring together academic researchers, industry researchers and industry leaders to discuss the most recent developments in discrete optimisation, with a particular focus on transport, logistics and networks, and to promote regional and international mathematical exchange and collaboration.

Registration is free, but speaking slots are limited. Please email Gary Froyland (g.froyland@unsw.edu.au) to register your interest. See the website for all the current information on the workshop; updates will be made progressively.

CTAC2010

Date: 28 November – 1 December 2010

Venue: University of New South Wales

Web: conferences.science.unsw.edu.au/CTAC2010/

The 15th Computational Techniques and Applications Conference (CTAC) will be hosted by the University of New South Wales from 28 November 2010 to 1 December 2010.

On-line registration and abstract submission are now open. Please visit the conference website for details.

2010 New Zealand Mathematical Society Colloquium

Date: 6–8 December 2010

Venue: University of Otago, Dunedin, NZ

Web: www.maths.otago.ac.nz

2011 AMSI Summer School

Date: 10 January – 4 February 2011

Venue: The University of Adelaide

Contact: Finnur Larusson (finnur.larusson@adelaide.edu.au)

The summer school will feature eight courses for honours and postgraduate students, as well as other mathematical and social activities. With the consent of their home university, students can take summer school courses for credit. This is an excellent opportunity for students to broaden their mathematical base and to make useful connections with mathematics and statistics students and staff from around Australia. Past experience has shown that students find the summer school to be a very enjoyable and enriching experience.

ANZIAM 2011

Date: 30 January – 3 February 2011

Venue: Stamford Grand, Glenelg, South Australia

Web: anziam2011.adelaide.edu.au

Contact: anziam2011@adelaide.edu.au

7th International Congress on Industrial and Applied Mathematics (ICIAM 2011)

Date: 18–22 July 2011

Venue: Vancouver, British Columbia, Canada

Web: www.iciam2011.com

Email: info@iciam2011.com

Vale

Michael Hasofer

With regret we inform readers that Emeritus Professor Michael Hasofer, formerly of the School of Mathematics of the University of New South Wales, passed away.

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.

- Dr Mohammed Abouzaid; MIT; 14–22 July 2010; – UAD; –
 A/Prof Naruhiko Aizawa; Osaka Prefecture University, Japan; 30 August to 2 October 2010; –; UQL; Jon Links and Phil Isaac
- Dr Maicon Marques Alves; IMPA, Rio de Janeiro; 25–30 July 2010; –; USA; Regina Burachik
- Pierre-Olivier Amblard; CNRS, France; 1 August 2010 to 28 February 2013; –; UMB; Owen Jones
- Prof Jianye An; Tianjin University of Commerce, PR China; 1 July 2010 to 15 January 2011; –; UWA; –
- Prof Paul Baird; Université de Bretagne Occidentale; 24 March to 30 August 2010; analysis and geometry; ANU; Michael Eastwood
- Prof Adolfo Ballester-Bolinches; Universitat de València; 23 July to 26 August 2010; algebra and topology; ANU; John Cossey
- Mehdi Behzad; Shahid Beheshti University; 11–18 July 2010; –; UWA; Cheryl Praeger
- Anton Betten; Colorado State University; 10 August to 15 January 2011; –; UWA; Gordon Royle
- Prof John Bland; University of Toronto; 1 June 2010 to 31 August 2011; analysis and geometry; ANU; Michael Eastwood
- Dr Mark Blyth; University of East Anglia, UK; 30 June to 24 July 2010; –; UWA; Andrew Bassom
- Dr Gaetan Borot; CEA-Saclay, France; 4–11 July 2010; –; UMB; Jan de Gier
- Dr Ryan Budney; University of Victoria, Canada; 20 June to 23 July 2010; geometry and topology; UQL; Ben Burton
- A/Prof Zhiqiang Cai; Tianjin University of Commerce, PR China; 1 July 2010 to 15 January 2011; –; UWA; –
- Dr Luigi Cantini; LPTMS Université Paris-Sud, France; 8–28 February 2011; –; UMB; Jan de Gier
- Prof Alan Carey; Australian National University; 15–16 July 2011; –; USA; Vladimir Gaitsgory
- Prof Stephen Chapman; Oxford University; 1 August 2010 to 1 August 2011; mathematical modelling, methods of asymptotics; USY; N. Joshi
- Dr Florica Cirstea; University of Sydney; 14 July 2008 to 14 July 2011; applied and nonlinear analysis; ANU; Neil Trudinger
- Dr Robert Clark; University of Wollongong; 1 July 2008 to 1 July 2011; statistical science; ANU; Alan Welsh
- Dr David Dereude; Université De Valenciennes; 1 January to 31 August 2010; –; UWA; Adrian Baddeley
- Mr Gnanadarsha Dissanayake; Troy State University; 1 March 2010 to 31 December 2010; time series; USN; M.S. Peiris
- Dr Timofei Dokchitser; University of Cambridge; 20 August to 27 September 2010; arithmetic geometry; USY; J.J. Cannon

- Dr Vladimir Dokchitser; University of Cambridge; 20 August to 27 September 2010; arithmetic geometry; USY; J.J. Cannon
- Dr Demosthenes Ellinas; Technical University of Crete; 18 July to 7 August 2010; –; UQL; Tony Bracken
- Dr Fabian Essler; Oxford University, UK; 28 July to 6 August 2010; –; UMB; Jan de Gier
- Nick Gill; University of Bristol, UK; 16–31 July 2010; –; UWA; –
- Prof Frederick Goodman; University of Iowa, USA; 10–31 August 2010; –; UMB; Arun Ram
- Andreas Hammel; Princeton University; 23–27 August 2010; –; USA; Regina Burachik
- Prof Jianxun Hu; Zhongshan University; 1 July to 10 September 2010; analysis and geometry; ANU; Bryan Wang
- Moharram Irandmusa; Shahid Behestiti University; March 2010 to September 2010; –; UWA; Cheryl Praeger
- Prof Martin Isaacs; University of Wisconsin; 4–18 July 2010; algebra and topology; ANU; John Cossey
- Wei Jin (student); Central South University, China; 20 September 2008 to September 2010; –; UWA; Cheryl Praeger
- Professor Gabor Kassay; Babes-Bolyai University, Cluj-Napoca; 15–26 August 2010; –; USA; Regina Burachik
- Dr Syu Kato; Kyoto University; 21 August to 5 September 2010; geometric representation theory; A. Henderson
- A/Prof Abdollah Khodkar; University of West Georgia, USA; 1–31 August 2010; –; UQL; Diane Donovan and Elizabeth Billington
- Ik Sung Kim; Korea Maritime University, Busan; 1 March 2010 to 28 February 2011; computational mathematics, image processing; UNSW; Bill McLean
- Prof Alexander Kleshchev; University of Oregon, Eugene; 7 July to 14 September 2010; representation theory; USY; A.P. Mathas
- Prof Sanjay Kumar; Banaras Hindu University, India; 6–25 July 2010; –; UMB; Aleks Owczarek, Iwan Jensen
- Prof Joseph Landsberg; Texas A&M University; 1–7 August 2010; geometric representation theory; USY; A. Henderson
- Prof Alain Lascoux; IGM Université de Marne-La-Vallee, France; 10 June to 20 July 2010; – UQL; Ole Warnaar
- Dr Guillaume Lecue; Université de Provence, France; 1 June to 30 September 2010; analysis and geometry; ANU; Shahar Mendelson
- Professor Juli Li; Xi'an Jiaotong University, China; 12–22 July 2010; –; UQL; Yao-Zhong Zhang
- Dr Jean-Marie Maillard; CNRS, France; 10–25 July 2010; –; UMB; Tony Guttmann
- Dr Victoria Martin Marquez; Universidad de Sevilla, Spain; 20 July to 10 October 2010; –; USA; Regina Burachik
- Dr Peter McNamara; Stanford University, USA; 11 June to 17 August 2010; –; UWA; Cheryl Praeger, Gordon Royle
- Dr Giang Nguyen; Université Libre de Bruxelles, Brussels; 20 July to 20 August 2010; –; UMB; Peter Taylor

- Professor Bernard Nienhuis; University of Amsterdam, The Netherlands; 30 July to 6 August 2010; –; UMB; Jan de Gier
- A/Prof Kay O’Halloran; Interactive and Digital Media Institute Singapore; 2 August 2010 to 28 January 2011; –; UWA; Kevin Judd
- Prof Makato Ozawa; Komazawa University, Japan; 1 April 2009 to 31 March 2011; –; UMB; Prof Hyam Rubinstein
- Melih Ozlen; RMIT, Victoria; 26 August to 2 September 2010; operations research; UQL; Ben Burton
- Prof Ben de Pagter; Delft University of Technology; 6–25 July 2010; –; UNSW; –
- Prof Thomas Prellberg; University of London, UK; 2–30 July 2010; –; UMB; Tony Guttman
- Mr Kyle Pula, PhD student; Colorado, USA; 31 August 2010; combinatorics and non-associative algebra, transversals of Latin squares; Ian Wanless
- Dr Pavel Pyatov; State University, Russia; 17 July to 5 August 2010; quantum algebras; USY; A.I. Molev
- Dr Pavel Pyatov; Joint Institute for Nuclear Research, Russia; 5–11 August 2010; –; UMB; Jan de Gier
- A/Prof Andrei Ratiu; Istanbul Bilgi University; 21 September 2009 to 31 August 2010; –; UMB; Craig Hodgson
- A/Prof Simone Rinaldi; Dipartimento di Scienze Matematiche e Informatiche, Italy; 11–23 July 2010; –; UMB; Tony Guttman
- Dr Keiichi Shigechi; University of Amsterdam, The Netherlands; 24 February to 31 August 2010; –; UMB; Jan de Gier
- Shujiao Song; Tsinghua University; 1 February 2010 to 31 July 2010; –; UWA; Cai Heng Li
- Prof David Stanford; University of Western Ontario, Canada; 2 July to 7 September 2010; –; UMB; Peter Taylor
- Prof Michael Struwe; ETH, Zurich; 16–29 August 2010; –; UQL; Min-Chun Hong
- Prof Emeritus De Witt Summers; Florida State University, USA; 4–11 July 2010; –; UMB; Aleks Owczarek, Tony Guttman
- Dr Robert Weston; Heriot-Watt University, UK; 1–11 July 2010; –; UMB; Mark Sorrell
- Prof Stuart Whittington; University of Toronto, Canada; 30 June to 10 July 2010; –; USY; Tony Guttman
- Prof Xiaoyan Zhang; Shandong University, China; 16 January 2010 to 16 January 2011; nonlinear analysis; UNE; Yihong Du
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