



News

General News

ERA 2010 Research Evaluation Committees

The composition of the eight ERA 2010 Research Evaluation Committees (RECs) have been announced. The Cluster 5 committee for Mathematical, Information and Computing Sciences comprises:

- Professor Joe Chicharo (Chair)
- Professor Hussein Abbass
- Professor Jonathan Borwein
- Professor Tsong Chen
- Professor Peter Eades
- Professor Peter Forrester
- Professor David Green
- Professor Gernot Heiser
- Professor Jane Hunter
- Professor Rod Kennedy
- Professor David McKenzie
- Professor Charles Oppenheim
- Professor Anthony Pettitt
- Professor Joseph (Josef) Pieprzyk
- Professor Philip Pollett
- Professor Kok Lay Teo

More information at www.arc.gov.au/era/recs_2010/MIC.htm.

Journal of the Australian Mathematical Society

The editors of the *Journal of the Australian Mathematical Society* announce a call for papers for a special issue of the journal, to be dedicated to Alf van der Poorten.

The editors solicit submissions in all areas of mathematics, and especially in the areas close to the research interests of Alf van der Poorten (e.g. recurrence sequences, continued fractions, diophantine approximation, and p-adic numbers).

The submission deadline is 1 May 2011. The editors hope to have all submissions evaluated and make the acceptance/rejection decision by the end of October 2011 with the goal to have this issue to appear early 2012.

Please direct all submissions to Igor Shparlinski igor.shparlinski@mq.edu.au.

University of Western Australia

Cheryl Praeger has been re-elected as a Member-at-Large of the International Mathematical Union Executive Committee.

Completed PhDs**Macquarie University**

- Dr Dimitri Chikhladze, *Elements of enriched and quantum category theory*, supervisors: Ross Street and Michael Johnson.

Monash University

- Dr Judith Egan, *Transversals, indivisible plexes and partitions of latin squares*, supervisor: Dr Ian Wanless.

University of Melbourne

- Dr Paul Keeler, *Stochastic routing models in sensor networks*, supervisor: Peter Taylor.
- Dr Hugh Miller, *Statistical methods for the analysis of high-dimensional data*, supervisor: Peter Hall.

University of New South Wales

- Dr Kenneth Chan, *Resolving singularities of orders over surfaces*, supervisor: Daniel Chan.

UNSW@ADFA

- Dr Roslyn Hickson, *Critical times of heat and mass transport through multiple layers*, supervisors: Steve Barry, Harvi Sidhu and Geoff Mercer.

University of Southern Queensland

- Dr Rossita M. Yunus, *Increasing power of M-test through pre-testing*, supervisor: Shahjahan Khan.

University of Sydney

- Dr Ley Wilson, *Q-curves with complex multiplication*, supervisor: David Kohel.
- Dr Wai Yin Wan, *Extensions of the Poisson geometric process model with applications*, supervisor: Jennifer Chan.

University of Western Australia

- Dr Wen Li, *Numerical methods for the solution of the HJB equations arising in European and American option pricing with proportional transaction costs*, supervisor: S. Wang. Her thesis won a UWA distinction award.
- Dr Hamood Alwardi, *Efficient algorithms for solving Hamilton–Jacobi–Bellman equations*, supervisor: S. Wang.

University of Wollongong

- Dr Guanghua Lian, *Pricing variance swaps and volatility swaps with stochastic volatility*, supervisor: Song Ping Zhu.
- Dr Glen Wheeler, *Fourth order geometric evolution equations*, supervisors: James McCoy and Graham Williams.

Awards and other achievements

CSIRO

- Dr Bronwyn Harch recently received Queensland’s Outstanding Woman in Technology 2010 award in recognition of her outstanding achievements in embedding informatics into agri-environmental research. Bronwyn’s informatics research impacts over the past 15 years have been in the area of the statistical design of landscape scale sampling protocols and monitoring programs, as well as the spatio-temporal statistical modeling of complex landscape systems.
- Dr Frank de Hoog is one of four CSIRO scientists to be recognised as a CSIRO Fellow for 2010. The award is made to ‘exceptional scientists who have displayed eminence in a significant field of science or engineering’. Frank received this designation for his achievements that have resulted in major impacts on key processes in manufacturing and mining, and for seminal contributions to applied and computational mathematics research.

Monash University

- Professor Kate Smith-Miles, Head of the School of Mathematical Sciences, was awarded the 2010 AustMS Medal. Each year the Medal is presented to a member of the Society under the age of 40 years for distinguished research in the mathematical sciences.

University of Melbourne

- Professor Peter Hall was awarded the 2010 George Szekeres Medal. The Medal is awarded in even numbered years to a member of the AustMS for an outstanding contribution to the mathematical sciences in the 15 years prior to the year of the award.

- Anita Ponsaing was awarded the B.H. Neumann Prize for the best student talk at the 2010 annual meeting of the AustMS.

University of New South Wales

- Internet giant Google has recognised Dr Chris Tisdell's OpenCourseWare video project on YouTube by making him a YouTube Partner in Education (Australia). He is the first educator in Australia to receive such an honour.

University of Sydney

- Professor Norman Dancer was an invited speaker at the International Congress of Mathematicians (Hyderabad, India).
- Ellis Patrick won the prize for best student poster at the Australian Microarray and Associated Technologies Association Inc (AMATA) conference held in Hobart 14–17 September. Ellis' poster was entitled 'Optimising a Genomic Annotation for the Analysis of RNA-Seq Data'.

Appointments, departures and promotions

Monash University

- Dr Antonio Lie commenced as a research fellow on 15 August 2010. His research interests lie in studying the non-commutative Iwasawa theory of elliptic curves.

Swinburne University

- Dr Tonghua Zhang has been appointed as a lecturer in Applied Mathematics starting on 1 November 2010.

University of Melbourne

- Dr Yao-ban Chan (Research Fellow) has left.
- Dr Neil Bathia (Research Fellow) has left.
- Omar Foda and Barry Hughes have been promoted to Professor, effective 1 January 2011.

University of Newcastle

- Dr Damon Gulczynski has been appointed as a research fellow working with Professor Natashia Boland.

University of New South Wales

- Spiro Penev and David Warton have both been promoted to Associate Professor.
- Michael Cowling has returned to UNSW as Professor of Pure Mathematics after several years abroad.

UNSW@ADFA

- Dr Peter McIntyre retired in December 2009. His outstanding academic career with UNSW@ADFA commenced in 1983 when he joined the Royal Military College, which became ADFA in 1986. Peter has had an enormous impact on the School of Physical, Environmental and Mathematical Sciences (which was the Department of Mathematics and Statistics until 2003), and also on the Canberra Mathematical Association. Peter will continue to contribute to the School as a Visiting Fellow.
- Dr Tristram Alexander has been appointed as Senior Lecturer in August 2010. His areas of research include nonlinear wave phenomena and solitons, with a focus on applications in nonlinear optics and Bose–Einstein condensates.

University of Sydney

- Anne Thomas and Zhou Zhang have started their lecturing positions in pure mathematics.

University of Technology, Sydney

- Mark Craddock has been promoted to Senior Lecturer.

University of Wollongong

- Dr Mark Fielding has accepted a continuing position as a lecturer in statistics.
- Dr Carrol Birrell has been appointed for one year as a lecturer in statistics.

Conferences and Courses

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

CTAC2010

Date: 28 November – 1 December 2010

Venue: University of New South Wales

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

AMSI mini-workshop ‘Riemannian and differential geometry’

Date: 30 November – 2 December 2010

Venue: Department of Mathematics and Statistics, La Trobe University

Organisers: Grant Cairns, Gerd Schmalz, Yuri Nikolayevsky

Contact: Yuri Nikolayevsky (Y.Nikolayevsky@latrobe.edu.au)

34ACCMCC: The 34th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing

Date: 6–10 December 2010

Venue: The Australian National University, Canberra

Web: <http://www.maths.anu.edu.au/events/34accmcc/34accmcc.html>

Contact: 34accmcc@anu.edu.au

Logic Summer School

Date: 6–17 December 2010

Venue: The Australian National University

Web: <http://lss.cecs.anu.edu.au>

Contact: Professor John Slaney (John.Slaney@anu.edu.au)

Flyer: <http://lss.cecs.anu.edu.au/files/flyer2010.pdf>

2010 New Zealand Mathematical Society Colloquium

Date: 7–9 December (note the change of date)

Venue: University of Otago, Dunedin, NZ

Web: <http://nzmathsoc.org.nz/colloquium>

Contact: Marguerite Hunter (mhunter@maths.otago.ac.nz)

2011 AMSI Summer School

Date: 10 January – 4 February 2011

Venue: School of Mathematical Sciences, University of Adelaide

Web: www.maths.adelaide.edu.au/amsi2011/

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

ANZIAM 2011

Date: 30 January – 3 February 2011

Venue: Stamford Grand, Glenelg, South Australia

Web: anziam2011.adelaide.edu.au

Contact: anziam2011@adelaide.edu.au

MISG 2011

Date: 6–11 February 2011

Venue: RMIT University, Melbourne

Web: www.rmit.edu.au/math/misg

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

12th Asian Logic Conference

Date: 15–20 December 2011

Venue: Victoria University of Wellington

Web: msor.victoria.ac.nz/Events/ALC2011

Vale

Chris Barling

Chris Barling, Senior Lecturer in Mathematics at Swinburne University of Technology, passed away on 12 October after a long period of ill health.

Paul Haynes

Dr Paul Haynes (University of South Australia) passed away on 6 October 2010.

A.J. van der Poorten

It is with great regret that we inform readers that Professor A.J. van der Poorten AM, FAustMS died on Saturday 9 October.

Alf was President from 1996 to 1998 and played many other significant roles in the Society (including as founding Editor of the *Gazette*) and more broadly in the mathematical community, being awarded the George Szekeres Medal in 2002 and Honorary Membership in 2009. His many contributions have been greatly appreciated by his colleagues in the Society.

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 Dmitri Alekseevski; University of Edinburgh; 17–20 November; –; UNE; Gerd Schmalz

Prof Dmitri Alekseevski; University of Edinburgh; November to December 2010; Riemannian geometry, Lie groups, Lie algebras and homogeneous spaces; LTU; Yuri Nikolayevsky

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; –

Dr Ben Ayliffe; University of Exeter, UK; September 2010 to July 2011; problems related to the formation of planets; UMN; Dr Guillaume Liabe

Tarje Bagheer; University of Copenhagen, Denmark; 3 November 2010 to 20 January 2011; –; UMB; Craig Westerland

- Prof Matthew Bate; University of Exeter, UK; September 2010 to July 2011; problems relating to the role of magnetic fields and radiation in star formation; UMB; Dr Daniel Price
- Anton Betten; Colorado State University; 10 August to 13 January 2011; –; UWA; Gordon Royle
- Dr Jean-Francois Biasse; Ecole Polytechnique; 12 October 2010 to 11 January 2011; number theory; USN; J.J. Cannon
- Dr Nils Bruin; Simon Fraser University; 2 November to 13 December 2010; research with the MAGMA group; USN; J.J. Cannon
- A/Prof Zhiqiang Cai; Tianjin University of Commerce, PR China; 1 July 2010 to 15 January 2011; –; UWA; –
- Dr Luigi Cantini; LPTMS Universite Paris-Sud, France; 8–28 February 2011; –; UMB; Jan de Gier
- Prof Stephen Chapman; Oxford University; 1 August 2010 to 1 August 2011; mathematical modelling, methods of asymptotics; USN; N. Joshi
- Jing Chen; Central South University, China; January 2011 to January 2012; –; UWA; –
- 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 Ashraf Daneshkhah; Bu-Ali Sina University, Iran; 15 October 2008 to 31 December 2010; –; UWA; –
- Mr Gnanadarsha Dissanayake; Troy State University; 1 March 2010 to 31 December 2010; time series; USN; M.S. Peiris
- Dr Vida Dujmovic; Carleton University, Canada; 1 September 2010 to 1 February 2011; –; UMB; David Wood
- Phillip Edwards; Monash University; May 2011; –; UWA; –
- Dr Ruy Fabila-Monroy; Heroes de Padierna, Mexico; 1 September 2010 to 31 January 2011; –; UMB; David Wood
- Prof Yuxia Guo; Tsinghua University; 1 October to 15 November 2010; partial differential equations; USN; E.N. Dancer
- Prof Mark Handcock; University of Washington; August to 31 December 2010; –; UWA; –
- Ademir Hujdurovic; University of Primorska, Slovenia; 8 November to 5 December 2010; –; UWA; –
- Dr Alexander Hulpke; Colorado State University, USA; 20 October to 16 November 2010; –; UWA; –
- Prof Alexey Isaev; Bogoliubov Laboratory of Theoretical Physics; 1 October to 30 November 2010; quantum algebras; USN; A.I. Molev
- Ik Sung Kim; Korea Maritime University, Busan; 1 March 2010 to 28 February 2011; computational mathematics, image processing; UNSW; Bill McLean
- Prof Anatol Kirillov; Kyoto University; 4 November to 4 December 2010; quantum algebras; USN; A.I. Molev
- Dr Bin Li; Tsinghua University, China; 3 October to 18 December 2010; representation theory; USN; R. Zhang
- Yuying Li; University of Waterloo, Canada; 8–14 November 2010; –; UWA; –

- Prof Makoto Ozawa; Komazawa University, Japan; 1 April 2009 to 31 March 2011; –; UMB; Hyam Rubinstein
- Dr Joy Morris; University of Lethbridge, Canada; 27 January to 30 May 2011; –; UWA; –
- Prof Oleg Ogievetsky; Universite d’Aix-Marseille II; 8 October to 24 November 2010; quantum algebras; USN; A.I. Molev
- A/Prof Kay O’Halloran; Interactive and Digital Media Institute Singapore; 2 August 2010 to 28 January 2011; –; UWA; Kevin Judd
- Prof Makoto Ozawa; Komazawa University, Japan; 1 April 2009 to 31 March 2011; –; UMB; Hyam Rubinstein
- Prof Frederic Robert; Universite Henri Poincare; 4 November to 4 December 2010; nonlinear elliptic equations; USN; F.C. Cirstea
- Dr Tatiana Shingel; –; 1 October to 21 December 2010; –; LTU; Professor Reinout Quispel
- Prof Yucai Su; University of Science and Technology, China; 7 October to 18 December 2010; noncommutative geometry in representation theory; USN; R. Zhang
- Dr Alexa van der Waal; Simon Fraser University; 2 November to 13 December 2010; research with the MAGMA group; USN; J.J. Cannon
- Mr Theo Vo; UNSW; 28 July 2010 to 28 February 2011; complex oscillatory patterns; USN; M. Wechselberger
- Prof Xiaoyan Zhang; Shandong University, China; 16 January 2010 to 16 January 2011; nonlinear analysis; UNE; Yihong Du
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