



News

Appointments

CSIRO:

- Affiliate Associate Professor Christine O'Keefe has been appointed Leader of Health Informatics at CSIRO Mathematical and Information Sciences.

La Trobe University:

- Dr Michael Jerie has been appointed to a one year lecturing position in mathematics.

RMIT:

- Dr Yanqun Liu has been appointed as Lecturer (Level B).

Swinburne University of Technology:

- Dr Nick Garnham has been recently promoted to Associate Professor. He was also made Head of the Engineering Mathematics Discipline in the newly created Faculty of Engineering and Industrial Sciences.

University of Melbourne:

- In the Department of Mathematics and Statistics Dr Craig Hodgson has been promoted to Associate Professor.
- Dr David Odell (associated with the Centre of Excellence for Mathematics and Statistics of Complex Systems) and Dr Leon Au have been appointed as research fellows at the Department of Mathematics and Statistics.
- The Statistical Consulting Centre has welcomed new consultants Marnie Collins and Sandra Clarke, and has farewelled Derchieh Hung.

University of New England:

- Dr Shusen Yan and Dr Gerd Schmalz have taken up lectureships in February.

University of Southern Queensland:

- Dr Peter Dunn and Dr Sergey Suslov have been promoted to Senior Lecturers (Level C).
- Dr Jesus Lopez has been appointed as Senior Lecturer (Level C), Dr Dmitry Strunin has been appointed as Lecturer (Level B) and Dr Karla Ziri-Castro has been appointed as Lecturer (Level A).

University of Sydney:

- Dr Daniel Daners and Dr Laurentiu Paunescu have been promoted to Senior Lecturer.
- Dr Michael Stewart has been promoted from Associate Lecturer to Lecturer.
- Dr Jim Ward and Dr Humphrey Gastineau-Hills retired at the end of 2004.
- Prof. Eugene Seneta retired at the end of 2004 and has been appointed Emeritus Professor.
- Dr Koo-Guan Choo, Dr Roger Eyland and Dr Howard D'Abrera will retire in the first quarter of 2005.

University of Western Australia:

- In January Prof. Andrew Bassom commenced as Chair of Applied Mathematics.

Completed PhDs

RMIT:

- Dr Anthony Bedford, *Single and Dual Queueing Schemes with Prioritised Traffic Scheduling and Finite Waiting Room*, supervisors: Panlop Zeephongsekul and Basil de Silva.
- Dr Cosimo Chiera, *Perturbation Analysis of the Helical Flow of Generalized Newtonian Fluids*, supervisor: John Shepherd.
- Dr Christopher Chin, *Numerical Simulation of Towed Cable-Body Systems*, supervisor: Rob May.

University of Melbourne:

- Dr Bruce Davey, *Algorithmic applications of knapsack covers and duality to integer programming*, supervisors: Dr Natasha Boland and Prof. Peter Stuckey.
- Dr George Handley, *Hilbert and Hardy type inequalities*, supervisor: Dr Jerry J Koliha and Prof. J. Pecaric.

University of Sydney

- Dr Otto Konstantatos, *A new framework for pricing barrier and lookback options*, supervisor: Dr Peter Buchen.
- Dr Greg Woodbury, *Modelling emergent properties of the visual cortex messenger signalling*, supervisor: Dr Bill Gibson.
- Dr Ruxue Xu, *Fixed point calculations on cones*, supervisor: Prof. Norman Dancer.
- Dr Yunchuan Yin, *W-graph representations for Coxeter groups and Hecke algebras*, supervisor: Dr Bob Howlett.

University of Western Australia:

- Dr B.A.C.S. Balasuriya, *Maximal Monotone Operators in Banach Spaces*, supervisor: Dr Simon Fitzpatrick.

Awards and other achievements

Jason Looker from The University of Melbourne has been awarded the T.M. Cherry Prize for the best talk by a student at the ANZIAM2005 meeting.

ANZIAM award for outstanding new researchers J.H. Michell Medal

Nominations are called for the award of the J.H. Michell Medal for 2006 for ANZIAM outstanding new researchers. Nominees must be in their first 10 years of research on 1 January 2006 after the award of their Ph.D., and be members of ANZIAM for at least 3

years. Nominations close on 30 September 2005. Further information can be obtained from <http://www.anziam.org.au/Medals/michell.html>.

The Chair of the Selection Panel for the 2006 award is

Professor Larry Forbes
 School of Mathematics and Physics
 University of Tasmania
 Private Bag 37
 Hobart TAS 7001
E-mail: Larry.Forbes@utas.edu.au

Nominations can be made by any member of ANZIAM other than the nominee. A nomination should consist of a brief C.V. of the nominee together with the nominees list of publications and no more than a one page resume of the significance of the nominees 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 nominees research.

Conferences

Geometry: Interactions with Algebra and Analysis

January–June 2005, Auckland

Web: <http://www.math.auckland.ac.nz/Conferences/2005/geometry-program>

Counting Complexity: An International Workshop on Statistical Mechanics and Combinatorics. In Celebration of the 60th Birthday of Professor Tony Guttmann

10–15 July 2005, Dunk Island

Organiser: Aleks Owczarek

E-mail: aleks@ms.unimelb.edu.au

Web: <http://www.complex.org.au/conferences/t60>

16th Australasian Workshop on Combinatorial Algorithms (AWOCA)

21–24 September 2005, University of Ballarat

Organiser: Professor Mirka Miller

E-mail: pmanyem@linus.levels.unisa.edu.au or m.miller@ballarat.edu.au

Topics include: Algorithms and Data Structures, Complexity Theory, Graph Theory and Combinatorics, Cryptography, Algorithms on Strings, Graph Algorithms, Graph Drawing, Computational Algebra and Geometry, Computational Biology, Communications Networks, Probabilistic and Randomized Algorithms, New Paradigms of Computation, and other topics in theoretical Computer Science.

Authors who would like to submit papers can contact Dr Prabhu Manyem or Prof. Mirka Miller at the above email addresses.

23rd Victorian Algebra Conference

24–26 September 2005, The University of Western Australia

Web: <http://www.maths.uwa.edu.au/vac05>

The conference precedes the 49th Annual Meeting of the Australian Mathematical Society, also in Perth.

Miniconference on Functional Analysis - to honour our late colleague Simon Fitzpatrick

25–26 September 2005, The University of Western Australia

Organiser: John Giles

E-mail: jan.garnsey@newcastle.edu.au

Web: <http://www.maths.uwa.edu.au/austms05/index.html>

The conference precedes the Annual Meeting of the Australian Mathematical Society at the University of Western Australia. Accommodation has been booked at St George's College, University of Western Australia. Our special guest lecturer is Professor Jonathan Borwein FRSC who has been a long term collaborator with Simon. The miniconference is supported by a Special Interest Grant from the Australian Mathematical Society and by a grant from AMSI.

49th Annual Meeting of the Australian Mathematical Society

27–30 September 2005, The University of Western Australia

Director: Lyle Noakes

E-mail: lyle@maths.uwa.edu.au

Web: <http://www.maths.uwa.edu.au/~austms05/index.html>

Invited Speakers:

Prof. Bruce Berndt (University of Illinois) – Mahler Lecturer

Dr Natasha Boland (Melbourne)

Prof. Jonathan Borwein (Dalhousie)

Prof. Robert Calderbank (Princeton)

Prof. Rida Farouki (UC Davis)

Dr Andrew Hassell (ANU)

Prof. Angus Macintyre (QMC)

Dr Shahar Mendelson (ANU)

Prof. Michael Nielsen (UQ)

Dr Akshay Venkatesh (NYU/Clay Institute)

If you are interested in organising a special session please contact the director or Lucho Stoyanov (stoyanov@maths.uwa.edu.au).

DELTA'05, the Fifth Southern Hemisphere Symposium on Undergraduate Mathematics & Statistics Teaching & Learning

22–26 November 2005, Kingfisher Bay, Fraser Island, Queensland

Convenor: Christopher J. Harman

E-mail: harman@usq.edu.au

Web: <http://www.maths.uq.edu.au/delta05/>

8th International Conference of The Mathematics Education into the 21st Century Project: “Reform, Revolution and Paradigm Shifts in Mathematics Education”

25 November–1 December 2005, Johor Bharu, Malaysia

Contact: Alan Rogerson

E-mail: arogerson@vsg.edu.au

The Chairman of the Local Organising Committee is Professor Noor Azlan Ahmad Zanzali, of the Faculty of Education, Universiti Teknologi Malaysia (UTM). The dates of our conference are conveniently fixed to follow on from the DELTA conference in Fraser Island, Australia and to lead into the MAV Conference, Melbourne. Papers are invited on all innovative aspects of evolutionary/revolutionary changes in Mathematics Education, past and future. For further conference details please email Alan Rogerson.

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.

- Prof. Satoshi Koike; Hyogo University; 1 March to 4 April 2005; Singularity theory; USN; Dr Laurentiu Paunescu
- Prof. Elvezio Ronchetti; Geneva; 15 March to 8 April 2005; Asymptotics; USN; Prof. John Robinson
- Prof. Alexander Alekseevich Borovkov; Sobolev Institute of Mathematics, Novosibirsk; 10 January to 10 April 2005; –; UMB; Dr Kostya Borovkov
- Prof. Florian Hess; Technical University of Berlin; 28 February to 10 April 2005; Arithmetic fields and cryptography; Prof. John Cannon
- Prof. Graeme Segal; Oxford; 14 March to 11 April 2005; Topology; USN; Prof. Gus Lehrer
Dr Alex Lindner; Technischen University Munchen; 16 January to 12 April 2005; Stochastic Analysis; ANU; Prof. Ross Maller
- Prof. Herbert Huppert; Cambridge; 7 March to 15 April 2005; Applied mathematics; USN; Prof. Nalini Joshi
- Prof. David Dritschel; University of St Andrews; 26 February to 15 April 2005; Vortex dynamics; USN; Dr Charlie Macaskill
- Prof. Richard Wood; Dalhousie University; 15 January to 15 April 2005; Category theory; USN; Prof Max Kelly
- Prof. Derek Holt; University of Warwick; 20 March to 16 April 2005; Computation in finite groups; USN; Prof John Cannon
- Dr Alexa van der Waall; Simon Fraser University; 1 October 2004 to 30 April 2005; Differential Galois theory; USN; Prof John Cannon
- Dr Ronald Thatcher; University of Manchester; 7 February to 30 April 2005; Numerical solution of combustion problems; UNSW (ADFA); Rodney Weber and Harvinder Sidhu

- Prof. Adam Parusinski; Université D'Anger; 1 to 30 April 2005; Singularity theory; USN; Dr Laurentiu Paunescu
- Dr Anton Cox; City University, London; 12 April to 1 May 2005; Representation theory of symmetric groups; USN; Dr Alison Parker
- Prof. Peter Brockwell; Colorado State University, USA; 7 February to 16 May 2005; –; UMB
- Dr Junping Shi; College of William and Mary; 24 March to 25 May 2005; Nonlinear elliptic equations; USN; Prof. Norman Dancer
- Dr Alexander Kitaev; Steklov Mathematical Institute; 1 March to 1 June 2005; Singularities; USN; Prof. Nalini Joshi
- Prof. George Grätzer; University of Manitoba, Canada; Mid April to mid June 2005; Lattice Theory; LTU; Brian Davey
- Prof. Willy Sarlet; Ghent State University, Belgium; 29 May to 19 June 2005; –; UMB; –
- Prof. H J G Gundersen; University of Aarhus; 1 to 30 June 2005; –; UWA; Prof. Adrian Baddeley
- Prof. Hechen Zhang; Tsinghua University; 1 February to 31 July 2005; Representation theory of quantum groups; USN; Dr Ruibin Zhang
- Prof. Akos Seress; Ohio State University; July 2004 to July 2005; –; UWA; Prof. Cheryl Praeger
- Prof. Wen-Han Hwang; Feng Chia University; February to August 2005; Statistical Science; ANU; Prof. Richard Huggins
- Dr Andrew Pickering; Universidad Rey Juan Carlos; 10 April to 14 August 2005; Analysis of integrable systems; USN; Prof. Nalini Joshi
- Dr Pilar Gordoa; Universidad Rey Juan Carlos; 10 April to 14 August 05; Analysis of integrable systems; USN; Prof Nalini Joshi
- Prof. Dianjun Wang; Tsing-Hua University; 20 February to 20 August 2005; UWA; Dr Cai Heng Li
- Dr Guang-hui Wang.; Chinese Academy of Sciences; 8 September 2004 to 8 September 2005; UWA; Dr Song Wang
- Dr Ruth Kantorovitz; University of Illinois; 20 September 2004 to 20 September 2005; Algebra and Topology; ANU; Prof. Amnon Neeman
- Prof. Robert Lipster; Tel Aviv University; 1 October 2004 to 30 September 2005; Stochastic Processes; MNU; Prof. Fima Klebanar
- Dr Alik Muradova; Tblisi State University; 17 September 2003 to 17 September 2005; Advanced Computation and Modelling; ANU; Dr Markus Hegland
- Prof. Chaohua Dong; Shanxi University; 11 March 2004 to 27 September 2005; UWA, Prof. Jiti Gao
- Dr Kenji Kajiwara; Kyushu University; 5 October 2004 to 30 September 2005; Discrete Painlevé equations; USN; Prof. Nalini Joshi
- Dr Alexander Kitaev; Steklov Mathematical Institute; 1 August to 1 November 2005; Singularities; USN; Prof. Nalini Joshi
- Prof. Kazem Mosaleheh; Shiraz University; 1 January to 31 December 2005; Analysis of PDEs; MNU; Dr Alan Pryde
- Prof. Wenjun Yuan; Guangzhou University of China; December 2004 to December 2005; Differential equations and financial mathematics; CUT; Dr Yong Hong Wu
- Prof. John Ryan; University of Arkansas; August 2005 to December 2005; Analysis and Geometry; ANU; Prof. Alan McIntosh
- Dr Bernard Kron; University of Vienna; 5 March 2004 to 1 March 2006; Ends, group actions and random walks; USN; Dr Donald Cartwright

- Dr Hua Zhang; Yunnan Normal University; 1 March 2005 to 1 March 2006; –; UWA; Dr Cai Heng Li
- Dr Robert Carls; Leiden University; 1 January 2005 to 30 June 2006; Cryptography; USN; Dr David Kohel
- Dr Yuly Billig; Carlton University; 16 July 2005 to 16 July 2006; Quantum algebras; USN; Dr Alexander Molev
- Dr Nicols Jacon; Université Caen; 1 September 2005 to 31 August 2006; Representation theory; USN; Dr Andrew Mathas
- Dr Shenglin Zhou; Shantou University; October 2004 to October 2006; –; UWA; Prof. Cheryl Praeger
- Dr Patrick Desrosiers; Université Laval, Qubec, Canada; 5 February 2005 to 4 February 2007; –; UMB; –
- Dr Nils Ackermann; Giessen; 1 August 2005 to 31 January 2008; Nonlinear analysis; USN; Prof. Norman Dancer
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