

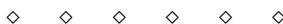


News

Real World Mathematics In Action 2004!

A one day Maths Fair for Year 11–12 students and their teachers will be held in the Department of Mathematics and Statistics at The University of Melbourne from 9am–3.30pm on Wed 16th June 2004.

Web: <http://www.ms.unimelb.edu.au/msaction/>



The Kirkman Medal

Dr San-Ming Zhou of the Department of Mathematics and Statistics of the University of Melbourne has been awarded the Kirkman Medal of the international Institute of Combinatorics and Its Applications (ICA). The Kirkman Medal is awarded for distinguished research by an ICA member who is within four years of receiving his/her doctoral degree.



Australian Academy of Science

Professor Robert Bartnik and Professor Peter Forrester have been elected as Fellows of the Australian Academy of Science. Election to the Academy recognises a career that has significantly advanced, and continues to advance, the world's scientific knowledge.



Vacancy – ANZIAM Treasurer

The ANZIAM Treasurer, Dr Marcus Randall, will stand down at the end of the present session after serving 4 years in the position. This means ANZIAM will require that another member be nominated to be Treasurer, technically from the 30th General Meeting which will be held during ANZIAM 2005. The venue for the conference is in Napier, New Zealand, and the conference will be held from 30 January to 3 February 2005.

Consequently, ANZIAM seeks an expression of interest from a member who would be Treasurer for at least several years, who has access to secure document storage facilities, and who has easy access to several other members of ANZIAM two of whom can be appointed to countersign cheques. Interested members should, in the first instance, contact the ANZIAM Secretary at the designated e-mail address.

W. Summerfield, Honorary Secretary, ANZIAM

E-mail: william@frey.newcastle.edu.au

Appointments

Griffith University:

- Dr Roger Braddock of the School of Environmental Engineering has been promoted to Professor.

La Trobe University:

- Dr Geoff Prince has been appointed as Deputy Director of AMSI.

Monash University:

- Dr Paul Cally has been appointed as Professor of Solar Physics.
- Dr Michael Reeder has been appointed Professor of Meteorology.
- Dr Alina Donea has been appointed as a Postdoctoral Fellow for 2004 and will take up an appointment as a Lecturer in Solar Physics in 2005.
- Dr Simon Clarke has been promoted to Senior Lecturer.

RMIT:

- The Department of Mathematics and Statistics has amalgamated with the Department of Geospatial Science to form the School of Mathematical and Geospatial Sciences. Professor John Hearne, the former Head of the Department of Mathematics and Statistics, has been appointed as Head of the new School.
- Dr Rini Akmeliawati resigned in February to take up a position in the School of Engineering and Science at Monash University, Malaysia.
- Dr Lynne McArthur, from the School of Mathematics and Statistics, University of South Australia, has been appointed as Lecturer (Level B).
- Dr Sergei Schreider has been appointed as Lecturer (Level B). Sergei previously worked in the CRC for Catchment Hydrology, based at the Department of Civil Engineering, Monash University.

Swinburne University of Technology:

- The School of Mathematical Sciences at Swinburne University of Technology will cease to exist at the end of the year, with its Mathematics staff going to the new School of Engineering and Industrial Sciences and the Statistics staff going to the new School of Social and Health Sciences.

University of Adelaide:

- Prof. Charles Pearce has been promoted to Professor Level E and consequently appointed Elder Professor.

University of Melbourne:

- Dr Felisa Vazquez-Abad (University of Montreal) has been appointed at level D; her research interests are in stochastic processes.
- Dr Owen Jones (University of Southampton) has been appointed to a level C position in Statistics.
- Dr Sanming Zhou (University of Melbourne) has been appointed to a level B position in Operations Research.
- Dr Paul Norbury (University of Melbourne) and Dr Lawrence Reeves (University of Marseilles) have accepted level B positions in pure mathematics.

University of Queensland:

- Dr Cathy Holmes has been promoted to Lecturer C.
- Dr Elliot Tonkes has taken leave without pay for Semester 1 2004 to work as a manager for Ergon Energy.
- Andrew Blinco and Birgit Loch have been appointed as Temporary Lecturers (Level A) for Semester 1, 2004.

- Dr Phil Pollett has been appointed Director of Research in the School of Physical Sciences.
- Dr Darryn Bryant and Dr Jon Links have been offered continuing appointments at the completion of their ARC Fellowships.



Completed PhDs

ANU:

- Dr Sergey Ajiev, *Singular and Supersingular Operators on Function Spaces, Approximation and Extrapolation*, supervisor: Alan McIntosh.

Monash University:

- Dr Ashley Crouch, *The interaction of solar oscillations with magnetic field*, supervisor: Paul Cally.
- Dr David Graham, *Geometric measure theory and geometric evolution equations*, supervisor: Maria Athanassenas.
- Dr Jeffery Kepert, *The wind-field structure of the tropical cyclone boundary layer*, supervisor: Michael Reeder.
- Dr Terrence O’Kane, *The statistical dynamics of geophysical flows*, supervisor: David Karoly.
- Dr Yuri Skrynnikov, *Nonlinear coupled waves in stratified flows*, supervisor: Simon Clarke.
- John Buckland, *Mean curvature flow with free boundary on smooth hypersurfaces*, supervisor: Klaus Ecker.
- Amanda Karakas, *Asymptotic giant branch stars: their influence on binary stars and the interstellar medium*, supervisor: John Lattanzio.

University of Melbourne:

- Dr Terence Jegeraj, *Polynomial birth-death approximation of pattern occurrences in an independent, identically distributed sequence*, supervisor: Aihua Xia.

University of New England:

- Dr Andrew Percy, *An Eckmann-Hilton dual to the Π -algebras of homotopy theory*.



Conferences

Polynomial-Based Cryptography

7 – 12 July, AMSI headquarters, Melbourne

Web: <http://www.it.deakin.edu.au/cryptography2004>

This conference on Polynomial-Based Cryptography is sponsored by Deakin University in collaboration with AMSI, iCORE and the Australian Computer Society.

Computational Techniques And Applications Conference: CTAC 2004

27 September – 1 October 2004, The University of Melbourne

Web: <http://www.conferences.unimelb.edu.au/CTAC2004/>

48th Australian Mathematical Society Annual Conference (2004)

28 September – 1 October 2004, RMIT, Melbourne

Web: <http://www.ma.rmit.edu.au/austms04/>

International Conference on Mathematical Inequalities and their Applications

6 – 8 December 2004, Victoria University, Melbourne

Web: <http://rgmia.vu.edu.au/conference/index.html>

The aim of this conference is to stimulate researchers from all fields of science to collaborate and present new results in mathematical inequalities and their applications. The Journal of Inequalities in Pure & Applied Mathematics will publish the proceedings of the conference, after a normal refereeing procedure. For an expression of interest to attend the conference, please contact Professor S.S. Dragomir at sever@matilda.vu.edu.au no later than 31st May, 2004.

6th International Conference on Optimization: Techniques and Applications

9 – 11 December 2004, University of Ballarat

Web: <http://www.ballarat.edu.au/icota>

2004 World Conference in Natural Resource Modelling

12 – 15 December 2004, RMIT, Melbourne

Web: <http://www.ma.rmit.edu.au/2004RMAconference>

The 2004 NZIMA Conference in Combinatorics and its Applications and The 29th Australasian Conference in Combinatorial Mathematics and Combinatorial Computing (29ACCMCC) (Joint Conference)

13 – 18 December 2004, Lake Taupo, New Zealand

Web: <http://www.nzima.auckland.ac.nz/combinatorics/conference.html>

Sponsored by the New Zealand Institute of Mathematics and its Applications (NZIMA) and the Australian Mathematical Society (AustMS).

Topics include: Graph Theory; Matroid Theory; Design Theory; Coding Theory; Enumerative Combinatorics; Combinatorial Optimization; Combinatorial Computing and Theoretical Computer Science; Combinatorial Matrix Theory.

Geometry: Interactions with Algebra and Analysis

January – June 2005, Auckland

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



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. Gary Lieberman; Iowa State U; 15 January to 5 May; Applied and nonlinear analysis; ANU; Prof. Neil Trudinger
- Prof. Krzysztof Wojciechowski; Indiana at Purdue; 22 January to 10 May; Analysis and geometry; ANU; Prof. Alan Carey
- Prof. Amnon Birman; RAFAEL ADA Israel; to 21 June; Advanced computation modelling program; ANU; Dr S Roberts
- Dr. Kien Ming Ng; National University of Singapore; 12 May to 23 June; Industrial and Systems Engineering; USA; Prabhu Manyem and Vladimir Ejov
- Dr David Mason; South Africa; 1 February to 15 July; - ; UWA
- Dr Howard Silcock; ANU; to 31 July ; Advanced computation and modelling; ANU; Dr Markus Hegland
- Prof. Anyue Chen University of Greenwich; 8 July to 1 August; Stochastic Processes; UQL; Dr Phil Pollett
- Prof. Kangrong Tan; Kurume U; to 1 August; Stochastic analysis; ANU; Dr Daryl Daley
- Dr Aliko Muradova; Tbilisi State U; to 17 September; Advanced computation and modelling; ANU; Dr Markus Hegland
- Prof. M.X. Tang; Michigan State U; August 2004; -; UNE; -
- Prof. Raymond Carroll; Texas A&M; 1 August to 30 September; Statistical science; ANU; Prof. Peter Hall
- Prof. Li Ma; Tsinghua U; September 2004; -; UNE; -
- Prof. Z.M. Guo; Donghua U; September to November 2004; -; UNE; -
- Etienne Ghys; ENS-Lyon; 18 September to 3 October; Geometry and Dynamical Systems; LTU; Grant Cairns
- Marcel Nicolau; Universitat Autònoma de Barcelona; 18 September 18 to 3 October; Differential Geometry; LTU; Grant Cairns
- Prof. Samuel Muller; U Bern; 27 October to 1 November; Statistical science; ANU; Prof. Alan Welsh
- Dr Michael Levitan; USA; January to December 2004; - ; UWA
- Prof. Dongsheng Tu; Queen's U; 1 February to 31 December; Statistical science; ANU; Profs. Peter Hall and Sue Wilson
- Prof. Gi-Sang Cheon; Daejin U, South Korea; 15 January 2004 to 15 January 2005; linear algebra and combinatorics; ANU; Dr Ian Wanless
- Prof. Ralph Stohr; UMIST; 27 August 2004 to 27 January 27 2005; Algebra and Topology; ANU; Dr Laci Kovacs
- Prof. Chaohua Dong; China; 1 February 2004 to 31 January 2005; - ; UWA

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