

ANZIAM 2013 49th Applied Mathematics Conference

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The 49th annual ANZIAM Conference was held from 3–7 February at the Newcastle City Hall, Newcastle, Australia. The conference was attended by 214 delegates, including over 80 students who gave excellent talks. In total, 182 contributed talks were presented covering a wide range of topics in applied and industrial mathematics. See <http://anziam2013.newcastle.edu.au/> for the full program and abstracts.



Bob Anderssen (left) and Geoff Mercer (right) examining the E.O. Tuck medal.

Nine invited talks were presented at the conference. This year's invited speakers were:

- Dr Heinz Bauschke, University British Columbia, Kelowna
- Professor Keith Devlin (CARMA/AMSI Speaker for Mathematics of Planet Earth), Stanford University
- Professor Matthias Ehrgott, University of Auckland
- Professor G. Bard Ermentrout, University of Pittsburgh
- Professor Chris Glasbey, BIOS Edinburg
- Professor Graeme Hocking, Murdoch University

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- Professor Hanna Kokko, The Australian National University
- Professor Robert McKibbin (ANZIAM Medallist), Massey University
- Dr Matthew Simpson (Michell Medallist), Queensland University of Technology.

Visit <http://anziam2013.newcastle.edu.au/speakers.html> for full biographic details. Stephen Boyd, this year's AMSI-ANZIAM lecturer, was unable to participate because of a cycling accident. He will be making his lecture tour in September and speaking at the AustMS meeting in Sydney.



Geoff Mercer accepts one of the two inaugural Tuck medals.

The Conference Dinner was held at Noah's on the Beach on Wednesday evening with musical entertainment by Benjamin Gumbleton. A highlight of the dinner was the presentation of awards to outstanding researchers in various stages of their careers.

The T.M. Cherry Prize for the best student talk was awarded jointly to Mr David Khoury of University of NSW for his talk on 'Using models to uncover dynamical features of malaria infections that are difficult to measure' and to Mr Theodore Vo of Sydney University for his talk on 'Combining mathematics and electrophysiology to understand bursting in pituitary cells'.

This year, there were two Cherry Ripe prize winners for the best talk as judged by the students. They were given to Associate Professor Scott McCue of Queensland University of Technology for his talk on 'Multiscale modelling of sausage-shaped cell migration leads to a continuum description with degenerate diffusion' and to Dr Sheehan Olver of The University of Sydney for his talk on 'Sparse and stable spectral methods'.

The 2013 J.H. Michell Medal for an outstanding early-career researcher was awarded to Dr Terry O'Kane of CSIRO Marine and Atmospheric Research. The A.F. Pillow Applied Mathematics Top-Up Scholarship was awarded to Lisa Mayo from Queensland University of Technology.

The 2013 EO Tuck Medal winners are Professor Shaun Hendy of Victoria University of Wellington's School of Chemical and Physical Sciences and Industry, Industry and Outreach Fellow, Callaghan Innovation and Professor Geoffry Mercer, Head, Infectious Disease Epidemiology & Modelling Group, National Centre for Epidemiology and Population Health, Research School of Population Health, Australian National University.

The Welcome Reception was well attended by 170 people and was held at Newcastle Regional Museum. The student BBQ was a great success as was a Dolphin Watching Cruise at Port Stephens.

The organising Committee would like to acknowledge the sponsors of the meeting, CSIRO, The University of Newcastle, CARMA, MathWorks Australia, ASES Maplesoft, and SolveIT Schneider Electric.

The hard work of the local organising committee, Juliane Turner, David Allingham, Mike Meylan, Bishnu Lamichhane, Masoud Talebian and Roslyn Hickson seems to have resulted in a very successful, well-organised and highly enjoyable conference. There has been a lot of positive feedback received from participants.