



AMSI News

Geoff Prince*

AMSI's Summer of Maths

We have a remarkable series of events coming up over the summer months and I urge *Gazette* readers to take part. The quality of our summer events is legendary and we have Commonwealth co-funding for another four years.

MathsFest 2016

28 November to 13 December 2016
Canberra

MathsFest is a new initiative of the Australian Mathematical Society and the Australian Mathematical Sciences Institute. This three-week multi-event in Canberra consists of an international workshop on each side of the annual meeting of the Australian Mathematical Society at ANU. The idea is to significantly increase international participation in our Annual Meeting and to create new research collaborations.

- *Advances in ergodic theory, hyperbolic dynamics & statistical laws*
28 November to 2 December 2016
- *60th Annual Meeting of the Australian Mathematical Society*
5 December to 8 December 2016
- *Nonlinear and geometric partial differential equations*
9 December to 13 December 2016

Speaker list available online: <http://mathsfest.amsi.org.au/>.

Registrations now open! Support the Society by attending this landmark event.

BioInfoSummer 2016

28 November to 2 December 2016
The University of Adelaide

Early bird registrations close 2 October <http://bis.amsi.org.au/register-now/>.

BioInfoSummer is a part of AMSI's DNA!

Themes:

- Introduction to bioinformatics
- Analysis of high dimensional data

*Australian Mathematical Sciences Institute, Building 161, c/- The University of Melbourne, VIC 3010, Australia. Email: director@amsi.org.au

- RNA-Seq experimental design and analysis
- Using long read sequencing for whole genome assembly
- Coding for bioinformatics

International speakers:

- Orly Alter, The University of Utah
- Simon Anders, Institute for Molecular Medicine Finland
- Mingyao Li, University of Pennsylvania
- Stephen Turner, Pacific Biosciences
- Xia Yang, University of California Los Angeles

AMSI Summer School 2017

9 January to 3 February 2017

The University of Sydney

AMSI Summer School and grant applications now open:

<http://ss.amsi.org.au/apply-now/>.

The AMSI Summer School is perfect for honours and postgraduate students looking to broaden their knowledge base, connect with their peers and talk to employers.

Course Information is now online:

- Category Theory and Computer Science
- Computational Bayesian Statistics
- Computational Mathematics
- Geometric Group Theory
- Harmonic Analysis
- Mathematical Biology
- Mathematics and Statistics of Big Data
- Optimisation

Vacation Research Scholarships 2016–17 & AMSI Connect

<http://vrs.amsi.org.au>

Each year AMSI funds and supports university students from around Australia to spend their summer holidays working on a research project with a supervisor. These scholarships are open to intending honours and masters students, and are a fantastic opportunity to broaden academic interests and experience.

By participating in AMSI's Vacation Research Scholarship program, students gain:

- the chance to work on a real research project for six weeks
- a six-week award of \$450 per week (a total of \$2,700)
- the opportunity to present their work to a group of their peers at AMSI Connect (formerly Big Day In)
- funded travel and accommodation for the duration of AMSIConnect

Applications close 16 September 2016.

Science Technology Australia membership

Along with AustMS and sister learned societies AMSI is a member of Science Technology Australia (formerly FASTS). STA runs Science Meets Parliament and Science Meets Business. AMSI currently represents this mathematical sciences 'cluster' on the STA Board. I encourage *Gazette* readers to contact me on matters they wish raised with STA. I will use this column to report STA issues to the Society.

Vale Jon Borwein

We were deeply saddened by Jon's sudden passing. He was a great AMSI champion and a truly original individual. At a personal level working with Jon on AMSI's research program and initiatives was one of the pleasures of my job and I learnt enormously from him. The mathematical world has lost one of its favourites but he's left a great legacy.



I was a Monash undergraduate and took out a La Trobe PhD in 1981 in geometric mechanics and Lie groups. This was followed by a postdoc at the Institute for Advanced Study in Dublin. I've enjoyed teaching at RMIT, UNE and La Trobe. My research interests lie mainly in differential equations, differential geometry and the calculus of variations. I'm a proud Fellow of the Society, currently a Council and Steering Committee Member. I became AMSI director in September 2009.