



Research School of Physics and Engineering

Weekly newsletter | Volume 40 Number 30 | 25 - 29 August

## FROM THE DIRECTOR'S OFFICE

The Director will be presenting an invited talk at the 27th International Symposium on the Physics of Ionized Gases (SPIG 2014) in Belgrade, Serbia between 22-29 August. **Professor Tim Senden** will be Acting Director during this period.

## DIRECTOR'S COLLOQUIUM

### Inside An Inferno: The anatomy of a bushfire

**Dr Andrew Sullivan**

Bushfire Dynamics and Applications Group CSIRO

**12-1pm Thursday 4 September**

Leonard Huxley Lecture Theatre

*Snacks will be held in the RSPE tearoom from 11:30am.*



## DEPUTY DIRECTOR TECHNOLOGY DEVELOPMENT

Attention Technology Developers!

In conjunction with RSPE the Technology Transfer Office will be holding a series of workshops over the next few months. All staff and students are welcome.

### Industry Engagement

**9:30-12:30 Tuesday 9 September** – *please note change of date.*

A guide to presenting your ideas and maintaining relationships with industry.

The workshops run the first Tuesday of each month starting at 9:30 in the Link Seminar Room.

**For catering purposes please register with Tim Senden two days before each workshop.**

## WELCOME

### Plasma Research Laboratory

Welcomes **Dr Brett Layden & Dr Ghassan Antar**.

Dr Brett Layden joined us on 18 August and will be with us for next two years as a Post doc with Dr Matthew Hole. His office is in Le Couteur Building L2.24. Dr Ghassan Antar is a visiting fellow from American University of Beirut, Lebanon. Dr Antar is doing collaboration with Professor Christine Charles for a month started from Monday 11th August.

## CONGRATULATIONS

Congratulations to Tim Duignan who came runner-up in the Science 3MT Finals on Thursday 21 August. He will progress through to the ANU final on Wednesday 17 September at 6.30pm in Manning Clark Theatre 1.

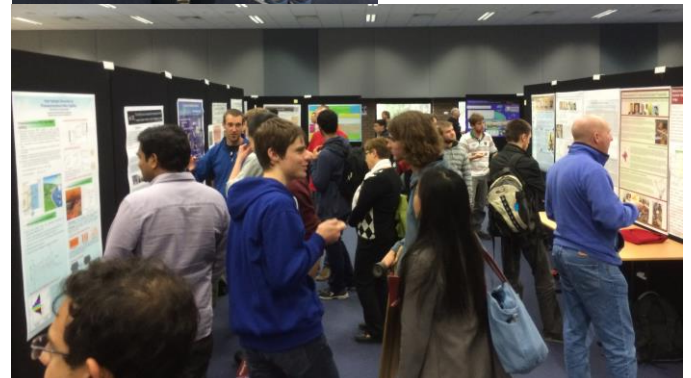
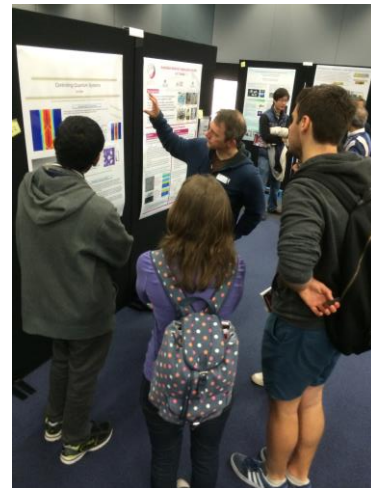
## MARKET DAY 2014

We would like to thank all those who contributed to a successful Physics Project Market Day this week. We had 72 posters displayed and approximately 140 students attended including 8 interstate students.

In particular we would like to thank the SCU and Tim Wetherell for assistance in completing the booklet, Laura Walmsley for her admin support and Andrew Papworth for setting up the technical displays.

See you all next year!

Cormac, Jodie, Patrick and James



## TOM RHYMES TECHNICAL DEVELOPMENT AWARD

The School seeks applications from technical staff in the School for the annual Tom Rhymes award. This award was established to celebrate the life of the late Dr Tom Rhymes, an alumnus and former School Facilities and Services Manager.

Please note that the deadline for receiving applications is close of business on **Friday 19 September 2014**. A brief 'call for application' document and the relevant application form have already been circulated. If you have any queries please contact the School Manager.

## OHS BULLETIN

### RSPE Guide to Safety

The RSPE Guide to Safety is located on the RSPE intranet, under the health and safety link. This local guide serves as a quick reference to basic safety information and links to ANU Safety pages. The content has been refreshed in all areas including electrical safety, safe tool use, and incident notification.

### Training Courses

Corrosives (OHSA07) **2 September**

Compressed gas and Cryogenic safety (OHSA04)  
**4 September**

Laser safety (OHSA20) **11 September**

Electrical appliance testing (OHSA11) **16 September**

Flammable liquids (OHSA13) **23 September**

## STAFF MOVEMENTS

### Department of Quantum Science

**Professor David McClelland** will be attending a conference in the US during the week 25-29 August. **Professor Craig Savage** will be Acting HOD during this time.

## JOHN CARVER SEMINAR SERIES 2014

Nominations are now being sought for the John Carver Seminar Series 2014.

**The Seminar Series will be held on Thursday, 18 September 2014 from 9.30am in Leonard Huxley Lecture Theatre.**

Participating students will be expected to present a 15 minute talk on their research. The talks are not followed by questions. Prizes and Certificates will be on offer for the best and most popular student presentations (judge's vote and audience vote).

The winners may be invited to present their talk at the equivalent competition run by the NSW branch of the Australian Institute of Physics or at a regular meeting of the ACT branch of the Australian Institute of Physics.

**Closing date for nominations is 5 September 2014.**

Students who wish to participate in the John Carver Seminar Series 2014 are asked to forward the titles of their talks to [rspe.hdr.sa@anu.edu.au](mailto:rspe.hdr.sa@anu.edu.au) by **12th September 2014** to enable us to finalise the program of the event.

## 2015 ANU ALUMNI AWARDS

The nominations for the 2015 ANU Alumni Awards are now open. The ANU Alumni Awards recognise the extraordinary achievements and significant contributions made by our graduates and students in Australia and internationally in a range of areas.

### Categories include:

- Alumnus of the Year – Philanthropy
- Alumnus of the Year – Innovation and Entrepreneurship
- Alumnus of the Year – Research or Academia
- International Alumnus of the Year
- Young Alumnus of the Year
- Student of the Year

If you know a graduate or student who inspires and whose achievements are extraordinary, please contact Kavitha Robinson, Development Manager on [kavitha.robinson@anu.edu.au](mailto:kavitha.robinson@anu.edu.au)

Nominations close on 31 October 2014.

For more info: <https://alumniandfriends.anu.edu.au/alumni-awards>

## DEPARTMENTAL SEMINARS

### Laser Physics Centre

**Mapping laser-induced thermal forces by levitating particles in a diverging vortex beam**

**Dr Andrei Rode**

Laser Physics Centre / RSPE

**11:00am Tuesday 26 August**

RSPE Link Seminar Room

### Plasma Research Laboratories

**On Turbulence in magnetic Fusion Devices and its Suppression**

**Dr Ghassan Antar**

Associate Professor, American University of Beirut

**2:30pm Tuesday 26 August**

Link Seminar Room

## SPECIAL MSI COLLOQUIUM

### The 2014 Fields medals

**3:00 – 4:00pm Wednesday 27 August**

HW Arndt faculty suite (Bldg 25A)

Every 4 years the International Congress of Mathematicians awards Fields medals to anywhere between 1 and 4 mathematicians. This year, four mathematicians were awarded a Fields medal: Arthur Avila (for work in dynamical systems), Manjul Barghava (for work in Number Theory), Martin Hairer (for work in Stochastic PDE), and Maryam Mirzakhani (for work in dynamics and geometry of Riemann Surfaces). In this talk four MSI members will give short, informal presentations about the work of each of this year's Fields medallists.