

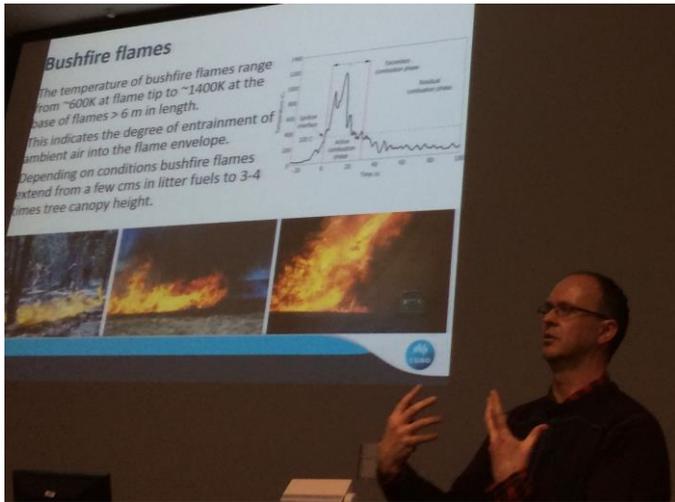


Research School of Physics and Engineering  
Weekly newsletter | Volume 40 Number 32 | 8 - 12 September

## DIRECTOR'S COLLOQUIUM

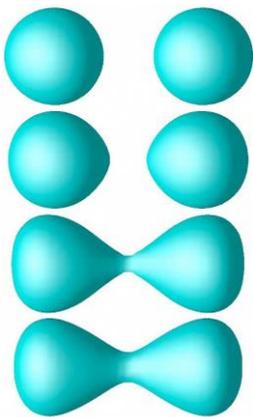
### Inside an Inferno

#### The anatomy of a bushfire



At Thursday's Colloquium, **Dr Andrew Sullivan** gave a very interesting talk about the behaviour of bushfires, and efforts to predict their spread and intensity. A particularly relevant talk for an Australian audience, Dr Sullivan gave a comprehensive overview of the challenges involved in bushfire modelling, and some of the latest progress in the field. Particularly entertaining/terrifying were the videos of bushfire propagation.

## SCHOOL SEMINAR



**How mean is the field?**  
**Theoretical description of nuclear dynamics**

**Dr Cédric Simenel**

Department of Nuclear Physics

**4:00pm Thursday 18 September**

Leonard Huxley Lecture Theatre

Refreshments will be held in the Tea Room after the Seminar (around 5pm)

## CONGRATULATIONS

To **Emeritus Professor John Love** of the Physics Education Centre who has been awarded a Certificate of Excellence in Reviewing by Optics Communications. He is also a Topical Editor for the China based journal *Light: Science and Applications* that has received an initial Impact Factor of 8.476, placing it 4th out of 82 international optics journals.

## 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 23 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

### Electronic Materials Engineering

Welcomes **Dr Zhiqin (Jessie) Zhong** who is joining us for a year from University of Electronic Science and Technology, China where she has recently completed her PhD. She will be working with Prof Hoe Tan in the area of Fabrication and Characterisation of Nanowires. Jessie will be with EME for a year and can be found in Cockcroft Building Room C5.02.

### Nonlinear Physics Centre

Welcomes **Mr Eliezer Estrecho** has arrived this week to commence his PhD studies with NLPC.

He will have a desk in L2.17, Telephone – 53063

Email – [Eliezer.estrecho@anu.edu.au](mailto:Eliezer.estrecho@anu.edu.au)

## FAREWELL

### Electronic Materials Engineering

Farewells **Yu-Jie Ma** and **Fenglin Xian** who are returning to China after spending a year with EME undertaking research on a CSC scholarship.

## THE PHYSICS EDUCATION CENTRE

**The Spring Education Planning Day** will be held **12th of September** from 9:00am to 5:00pm at the Burringiri Aboriginal and Torres Strait Islander Cultural Centre on Lady Denman Drive. This is a ten minute easy bike ride from campus around the lake. The material that we will discuss at the planning day has major implications for the future of physics education at ANU, and I encourage all interested staff to attend. Would you please pass you name on to the education coordinator in your department before the **3rd of September** to register your attendance at the event.

Please include information on special dietary requirements so we can cater appropriately.

## DIRECTOR'S AWARD

### Nominations are now open for the 2014 Director's Awards

Do you know someone who deserves to be nominated for a Director's award for outstanding service to the school?

Nominations should include a citation and one paragraph supporting statement.

Nominations close **5pm Friday 12 September 2014**.

Further information:

<https://physics.anu.edu.au/intranet/directors-award.php>

Contact: RSPE Director's Office, [director.RSPE@anu.edu.au](mailto:director.RSPE@anu.edu.au)

## 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.

## 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<sup>th</sup> 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.

To register please send an email to [rspe.hdr.sa@anu.edu.au](mailto:rspe.hdr.sa@anu.edu.au)

## OHS BULLETIN

### RSPE Guide to Safety

(Located on the local 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.

Content has been refreshed in all areas including electrical safety, safe tool use, and incident notification.

### Training Courses

Laser safety (OHS20) **11 September**

Electrical appliance testing (OHS11) **16 September**

Flammable liquids (OHS13) **23 September**

## 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>

## BEN WILLIAMS STUDENT SUPPORT GRANT

The Ben Williams Student Support Grant is now available for all undergraduate and postgraduate physics students enrolled at the Research School of Physics and Engineering. The fund will provide assistance to students who are experiencing difficulties including financial hardship and/or health/well-being issues that are preventing them from completing their program.

Applications are accepted all year round.

### Further information and to apply:

E: [rspe.hdr.sa@anu.edu.au](mailto:rspe.hdr.sa@anu.edu.au)

T: +612 6125 5195 / +612 6125 1315

<http://students.anu.edu.au/scholarships/ea>