



Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 33 | 23-29 August 2013

FROM THE DIRECTOR'S OFFICE

The Director will be presenting an invited talk at the International Meeting on the Frontiers of Physics, Genting, Malaysia from 27-31 August.

Professor John Close will be Acting Director during this period

CONGRATULATIONS

SP3 is very pleased to announce that **Professor Rod Boswell** has been honoured by being elected Fellow of the International Society of Plasma Chemistry.

PHYSICS EDUCATION CENTRE REPORT

On **Monday the 2nd of September**, the new honours students (2nd semester starts) will hold their mid-project seminars in the Honours Lecture room in Huxley starting at 3:00pm. Staff, please put this date in your calendar and please support the honours students by attending these seminars.

On **Thursday 12th of September**, we will be holding the Spring Physics Education Planning Day at Mt Stromlo. This will be an all-day event where we will discuss the future of physics education at ANU. Please put this date in your calendar. The aim of the planning day is to discuss big issues facing physics education at all levels, and to set direction for the coming years. The discussions will build on the discussions we held in the Autumn planning day in April this year. A detailed itinerary for the day has been sent to Education Coordinators in each department.

On Thursday this week, **Dhruv Saxena** and **Ian Wenas**, both of whom are PhD students in EME, represented RSPE in the finals of the 3 minute thesis. Congratulations to both Dhruv and Ian for presenting clear and engaging talks at the final and thank you for representing the School at this event.

STAFF MOVEMENTS

Electronic Materials Engineering

Professor Chennupati Jagadish will be attending the SPIE Annual Meeting in San Diego 25-29 August where he is an Invited Speaker. He will then present a Seminar and visit at the University of California Santa Cruz and also presenting a Colloquium and research collaboration at the University of Cincinnati. Professor Jagadish will then go onto the IEEE Photonics Conference in San Francisco where he is an Invited Speaker 7-11 September.

Professor Mark Ridgway will be absent 26-30 October.
Professor Hoe Tan will be Acting Head in his absence.

Dr Kaushal Vora will also be attending the SPIE Annual Meeting in San Diego 25-29 August.

FROM FACILITIES & SERVICES MANAGER

Building Maintenance

If you have any issues with general building maintenance, lighting, plumbing, heating or cooling, electrical faults, door locks not working etc. please contact either Andrew Papworth x52808 in Physics North or Graeme Cornish x53062 / Lyndell Paseka x51576 for Physics South. If you let your Departmental Administrator or technical officer know they can also let us know.

Office Heating

It has been noticed that a number of offices have electric heaters (either ANU or personal). If there are issues with the building heating please let our maintenance staff know so they can be rectified. These individual heaters are not very energy efficient and can interfere with the heating in adjoining office spaces.

OHS BULLETIN

OHS training courses at 5 Liversidge St, Building 69.

Corrosives-Monday 2 September

Manual Handling - Wednesday 4 September

Laser Safety - Tuesday 17 September

JOHN CARVER SEMINAR SERIES 2013

Nominations are now being sought for the John Carver Seminar Series 2013.

The Seminar Series will be held on Thursday, 26th September 2013 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 (judges 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 31 August 2013.

Students who wish to participate in the John Carver Seminar Series 2013 are asked to forward the titles of their talks to research.students@physics.anu.edu.au by **19th September 2013** to enable us to finalise the program of the event.

To register, contact Liudmila Mangos (6125 1315) or Karen Nulty (6125 5195) research.students@physics.anu.edu.au

DEPARTMENTAL SEMINARS

Nuclear Physics

Neutron scattering as a tool for investigating the dynamics and excitations in magnetic materials

Dr Richard Mole and Dr Kirrily Rule

Instrument Scientists, Bragg Institute, Australian Nuclear Science and Technology Organisation

11:00am Monday 26 August

Nuclear Physics Seminar Room

Plasma Research Laboratory

The Heavy Ion Beam Diagnostic - Application for a Small Fusion Device

Dr Artur Malaquias

Scientific Secretary for EFDA Leader, UK, and Institute for Plasma and Nuclear Fusion, Portugal

11:30am Monday 26 August

Oliphant Building Seminar Room

Nonlinear Physics Centre

Classical physics analogues of two- and three-state quantum systems

Dr Andon Rangelov

Department of Physics, Sofia University, Bulgaria

11:00am Monday 2 September

Oliphant Building Seminar Room

Opto-mechanics of chiral metamaterials

PHD MID-TERM SEMINAR

Mr Mingkai Liu

PhD student, Nonlinear Physics Center

11:00am Wednesday 4 September

Oliphant Building Seminar Room

2014 ALUMNI AWARDS

Nominations are now open for The ANU Alumni Awards. These awards celebrate and showcase the outstanding and diverse range of ANU graduates.

This is RSPE's chance to celebrate and promote alumni who are making the difference and to say thank you to alumni for contributing to the University's reputation by being extraordinary.

Categories Available:

1. Alumnus of the Year (the highest honour),
2. International Alumnus of the Year,
3. Young Alumnus of the Year,
4. Student of the Year and
5. Alumni Volunteer Leader of the Year

Nominations are now open

Nominations close 30 November 2013 Midnight (AEST)

W: <https://alumniandfriends.anu.edu.au/alumni-awards-2014>

Please consider nominating outstanding alumni from the School.

Contact: Kavitha Robinson, Development Manager, E: kavitha.robinson@anu.edu.au

SCIENCE FICTION EXHIBITION

Ms Erica Secombe, ANU PhD student at the School of Arts, combines her work with the Department of Applied Mathematics to showcase an exhibition at Manuka. **Canberra Contemporary Art Space, 16 August-28 September 2013**

W: <http://www.ccas.com.au>



INDUSTRY PARTNERSHIP TOWARDS CANCER TREATMENT

A Sirtex Professorial Chair position at the School was launched by the VC on Wednesday 21 August 2013.



Professor Ross Stephens and Dr Tuuli Stephens

Sirtex Pty Ltd, a Sydney-based pharmaceutical company whom Department of Applied Mathematics has had a productive relationship with since 2006, has committed to

sponsoring the chair for three years. This is an industry sponsored research position in the area of biomaterials technology for medical applications in infectious disease and liver cancer. **Professor Ross Stephens**, who leads the biomedical research team at the Department of Applied mathematics, was appointed as the Sirtex Chair. Ross and the research team physically relocated to their new research facilities at the Research School of Biology (RSB) in the Robertson building in May this year. ANU Vice-Chancellor Professor Ian Young AO welcomed the establishment of the Chair.

This is a fine example of industry investing in a meaningful way in research and development for the benefit of all. It shows the confidence that Sirtex has for the quality and quantity of research that ANU produces.

For the full story see:

<http://news.anu.edu.au/2013/08/21/industry-partnership-towards-cancer-treatment/>

GOLDEN GRADUATES' REUNION

A reunion for graduates 60 years of age and over organised by ANU Alumni Office to reunite, reminisce and engage.

Morning Tea & Lunch: Saturday 12 October 2013, University House

W: <https://alumniandfriends.anu.edu.au/events-listing>

Please circulate info to relevant alumni.