



Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 36 | 13-19 September 2013

PHYSICS EDUCATION CENTRE REPORT

The Spring Education Planning Day was a tremendous success with broad participation from staff across RSPE. We embarked on the writing of an education mission statement that we will use to shape and guide physics education at ANU in the coming years. I would like to thank all RSPE staff who attended and contributed to the lively debate. Your contribution to this event will help shape the physics education agenda at ANU and is very much appreciated. I would particularly like to thank our speakers, Vince Craig, Craig Savage, Joe Hope, Nick Robins, Ruth Mills and her team and Mark Ellison (Chemistry) for all the thought and work they put into the preparation of their talks and for the very fine presentations they all gave at the Planning Day. I would also like to thank Laura Walmsley for organising the venue and the catering and for formatting the agenda.

SCHOOL SEMINAR

Trapping energy traps: mass spectrometry of nuclear isomers

Dr Matthew Reed

Nuclear Physics, RSPE, ANU

4pm, Thursday 19 September

Leonard Huxley Lecture Theatre

Building 56, Mills Road

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

ALL WELCOME

THE DIRECTOR'S AWARD

Applications are now open for the 2013 Director's award for outstanding service to the school

Each year there are so many people who contribute to RSPE to make it a success. The Director's awards aim to acknowledge and thank those who have gone above and beyond.

All members of RSPE are eligible to be nominated, including staff, students and visiting fellows. Nominations are due to the Director's Office by 5pm **Monday 16 September 2013**. Further information, including the Terms of Reference can be found at <http://physics.anu.edu.au/intranet/directors-award.php>

WELCOME

Electronic Materials Engineering

Welcomes **Pablo Mota Santiago**, a new PhD student with Professor Mark Ridgway and A/Prof Patrick Kluth. Pablo completed his Masters in National Autonomous University of Mexico and his area of research is Linear Optics and Ion Matter Interaction. Pablo can be found in the John Carver Building in Carrel J4.16F.

CONGRATULATIONS

Congratulations to **Dr Yanan Guo** and his wife Gloria on the birth of their daughter Caroline. Also Congratulations to **Avi and Nicky Shalav** on the birth of their beautiful daughter Zoe. EME is expanding.

THE ART OF PHYSICS

The theme of the 2014 Australian Institute of Physics Congress to be held at ANU is: The Art of Physics. The organising committee invites all those interested in this theme to an open meeting this **Tuesday 17 September 1-2 pm**, in the Link Building Conference Room. We welcome involvement from all members of the broad RSPE community. Contact: Craig.Savage@anu.edu.au

DEPARTMENTAL SEMINARS

Nuclear Physics Department

Study of reactions with the bound projectile ^9Be

Dr C. Palshetkar

Postdoctoral Fellow, Nuclear Physics Department

11:00am Monday 16 September

Nuclear Physics Seminar Room

Applied Mathematics

A numerical development to compute the effective permittivity of materials based on 3D images

PhD Mid-Term Seminar

Johnny Valbuena

Applied Mathematics, RSPE

3:17pm Friday 20 September

Le Couteur Building L3.17

JOHN CARVER SEMINAR SERIES 2013

You are invited to attend the

John Carver Seminar Series

9:30am Thursday 26 September 2013

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.

STAFF MOVEMENTS

Applied Mathematics

Professor Vince Craig will be travelling between 16-23 September to speak at the Japan-Australia Symposium on Colloid and Interface Chemistry in Nagoya, Japan.

Adrian Shepherd will be travelling between 15-21 September to attend the Society of Core Analysis International Symposium in Napa Valley, USA.

Plasma Research Laboratory

Dr Boyd Blackwell is attending the Joint 19th ISHW and 16th IEA-RFP workshop, and Fusion Reactor Diagnostics conferences in Italy from 4 September - 2 October.

Dr Greg von Nessi and Dr Graham Dennis are attending the Joint 19th ISHW and 16th IEA-RFP workshop, and Fusion Reactor Diagnostics conferences in Italy from 4-23 September.

Emeritus Professor Robert Dewar is attending the Joint 19th ISHW and 16th IEA-RFP workshop in Italy and visiting Princeton Plasma Physics Laboratory during period 13 September – 18 November.

Electronic Materials Engineering

Julie Arnold will be absent from 16 – 27 September. Sonia Padrun will be the administration back up while Julie is on leave.

Professor Chennupati Jagadish, Dr Jodie Bradby, both Invited Speakers, and PhD students **Tim Burgess and Dhruv Saxena** will be attending, the NanoS-E3 International Workshop and School 17- 20 September in Airlie Beach QLD.

A/Prof Lan Fu will be Co-Chair of the The Japan Society of Applied Physics (JSAP) and the Materials Research Society (MRS) Autumn Meeting in Kyoto Japan 15- 20 September.

Mr Jeff Kealley will be attending the ANFF Facility Managers Meeting in Sydney 16-17 September.

Nuclear Physics Department

Professor Keith Fifield, Dr Anton Wallner and Dr Michaela Srncik will be away from the Department, (14/9 - 9/10, 17/9-3/10, 7-29/9 respectively) for an exchange visit to the AMS facility for discussions and experiments, Dresden, Germany, under the Go8 AIGeAS-Australian GERman AmS.

Professor Fifield and Dr Wallner will also be travelling to the ETH Zurich, Switzerland, Fifield for discussions and Wallner to hold an invited Seminar.

SCIENCE FICTION EXHIBITION

Ms Erica Seccombe, 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>



OHS BULLETIN

OHS training courses now at 5 Liversidge St, Building 69.

Laser Safety (OHS11) - Tuesday 17 September
Electrical Appliance testing (OHS11) 18 September
Flammable Liquids (OHS11) 24 September
Ionizing Radiation Safety (OHS18) 22 October.