



**VOLUME 37 NUMBER 37**

23 - 29 September 2011

## DIRECTOR'S COLLOQUIUM



*Leonard Huxley Theatre on 22 September*

Prof Barry Brook's presentation "Advanced Nuclear Power Systems for Long-term Energy and Climate Security" drew a large audience this week from across campus and outside ANU. Students, academics and visitors filled the theatre and were inspired by his excellent presentation addressing our energy options for sustainable energy-rich future. His talk has provided a clear picture to the hard and controversial problem of sustainable energy and has outlined the possible solutions for the future.



Thanks to Susie and Jo for the delicious fruit refreshments provided before the Colloquium.

Future events can be viewed here: <http://physics.anu.edu.au/events.php>

## CONGRATULATIONS

*To the winners of the 2011 John Carver Seminar Series!*

John Carver Prize - Danielle Wuchenich (Quantum Science)

Director's Prize - Boshra Afra (EME)

Dean's Prize - Juan Caneses (PRL)

Most Popular Talk (Audience Vote) - Wei Liu (NLPC) and Niko Eckerskorn (LPC)

**A REMINDER THAT ALL ACADEMICS IN RSPE NEED TO COMPLETE THE WORKLOAD SURVEY:**

<http://www.surveymonkey.com/s/2011scienceworkloads>

Responses are due by 5pm, Tuesday, 27 September 2011. This survey is used by the OVC in its determination of funds distribution to colleges, as well as within the college to inform distribution of funds to schools, so it is important that all information about teaching and supervision is accurate and complete.

## ENERGY FOR THE FUTURE

**Monday 26 September, 5:30 – 6:30pm**

Finkel Lecture Theatre, John Curtin School of Medical Research.

This seminar to launch the Master of Energy Change will feature three speakers from the newly formed Energy Change Institute who will look at the technology, policies and economics needed for the transition to a clean energy economy:

- Professor Andrew Blakers - energy from the sun: the state-of-the-art solar research conducted at ANU
- Associate Professor David Stern - energy policies for economic growth and regional development.
- Associate Professor Tom Faunce - energy security in the future world.

This seminar will provide an exciting opportunity to hear about the breadth of energy research at ANU as we continue to search for solutions to our energy problems.

The official launch of the new ANU Master of Energy Change will follow the event.

Tours of the Energy Change Institute research facilities will be available from 4:30 – 5:30pm. Followed by drinks and nibbles.

## SCHOOL SEMINAR PROGRAM

**Thursday 6 October, 4pm**

Leonard Huxley Lecture Theatre

*Optical vortices and optical knots*

Dr Anton Desyatnikov, Nonlinear Physics

Drinks and light refreshments will be provided in the RSPE Link Tea Room, Oliphant Building after the Seminar around 5pm

## STAFF MOVEMENTS

*Electronics Material Engineering*

Dr Mark Ridgway will be travelling to Porto Alegre, Brazil to attend a conference 24 September - 2 November

Mr Thomas Bierschenk will be travelling to Hyogo, Japan for training 24 September – 14 November.

## DEPARTMENTAL SEMINARS

*Nonlinear Physics Center*

**Friday 23 September, 2pm**

Link Building Seminar Room, Oliphant Building



## *Dissipative hydrodynamics of the exciton-polariton condensate*

Dr Michael Fraser, National Institute of Informatics and Institute for Nano Quantum Information Electronics, University of Tokyo, Tokyo, Japan

### **EDUCATION BULLETIN**

The draft statement of national Threshold Learning Outcomes (TLOs) for Physics majors, produced by academics from UQ, ANU, Curtin, Sydney, RMIT, UTS and Newcastle, will be circulated for comment at the Australian Conference on Science and Mathematics Education next week in Melbourne. The TLOs are an important part of the Australian physics community's efforts to establish common standards and benchmarking procedures. If you would like to see a copy of the draft, contact Anna Wilson ([anna.wilson@anu.edu.au](mailto:anna.wilson@anu.edu.au)).

### **OHS BULLETIN**

**OHS Training for Supervisors:** - Wednesday, 28 September, Tuesday 22 November, Time: 1 – 4

#### **Ionizing Radiation Safety**

Thursday, 20 October, Time: 9 – 1

#### **Confined Spaces / Refresher**

2 & 3 November 2011

#### **Chemical Safety**

Wednesday, 16 November 2011, Time: 9 - 3.30

Enrol [ohstraining@anu.edu.au](mailto:ohstraining@anu.edu.au) or contact Anthony Hyde 50105

### **Health and Safety Representative (HSR)**

RSPE staff (both academic and general) are invited to nominate for the voluntary role of 'Health and Safety Representative' (HSR) for a term of two years. Under the Occupational Health and Safety Act 1991, the Designated Work Group (DWG) of RSPE is allowed one HSR, plus a deputy.

The staff representative's primary role is to represent the health and safety interests of staff and is independent of School management. The representative will become a member of the School's OHS Committee.

An elected HSR (and optional deputy) have special powers under the Occupational Health and Safety Act, and are therefore required to undertake an accredited training course of 5 days, (35 hours) as soon as practicable within three months of being elected. The training costs will be met by RSPE.

Nominations are open for 20 days after publication in the 16th September School Bulletin.

The RSPE Nomination Form can be obtained from RSPE Reception, or by email below.

For further information please contact RSPE OHS Manager, Anthony Hyde x50105

Or email: [Anthony.Hyde@anu.edu.au](mailto:Anthony.Hyde@anu.edu.au)

### **SOPHOS ANTI-VIRUS FREE FOR HOME USE**

Sophos anti-virus is free for home use. It is available from [security.anu.edu.au](http://security.anu.edu.au) for home use. You need to register and a password will be issued to you. When you install it on your home computer use the password provided and not your HORUS password. Sophos will not run with other anti-virus software.

### **SAD NEWS**

The School mourns the recently passing of Allen Campbell. Allen had been retired for some time and was a member of the technical staff of PRL. He had a long and distinguished career and contributed significantly to numerous projects across the school. Allen came to the School from Weapons Research in South Australia. He specialised in Hydraulics, Pneumatics and Mechanical Design. He was heavily involved in the HPG, telescope construction at Siding Springs, Magnet Research, Rail Gun Research and the Heliac.

After retirement he designed some of the displays at Questacon.

Allen was particularly generous in his mentoring and guidance of the careers of many of his fellow professionals. He was highly regarded both for his competence and personal integrity. His gregarious nature and humour were heavily responsible for the maintenance of a sense of camaraderie and professional fellowship throughout the University.

Services for Allen will be held on Friday 23 September at St. Pauls Anglican Church, Canberra Av. at 11:30am