



Volume 38 Number 24

22-28 June 2012

FROM THE DIRECTOR'S OFFICE

The Director will be on leave from 25-29 June. Professor Ken Baldwin will be Acting Director for this period.

The School hosted a visit last week from The Honourable Dr Andrew Leigh, MHR for Fraser in the ACT. It was an opportunity for us to tell him a little about the School and to showcase some of our research activities.



Photo: Tim Wetherell

Chennupati Jagadish, Andrew Leigh and Stephen Buckman in the MOCVD facility

CONGRATULATIONS

Congratulations to Alex Shanahan who received the CITSA Award for the Most Outstanding Apprentice Stage 1 Fitting and Machining. Alex is pictured here with Workshop Manager, Craig Young, at the award ceremony last night. Well Done!



VISITORS

Nonlinear Physics Centre

Dr Ting-Hua Lu, a visiting fellow from National Taiwan Normal University, Taipei, Taiwan, is arriving today for a three month visit with NLPC.

Dr Michael Guzhva, a departmental visitor from National Research University of Information Technologies, Mechanics and Optics, Russia arrived last week for a three week visit with NLPC.

Please make them both feel welcome.

STAFF MOVEMENTS

Electronic Materials Engineering

Mark Ridgway is absent for five weeks and Dr Hoe Tan will be Acting Head during his absence.

Bimo Bayu Aji is overseas from the 15/6-15/7/12 visiting the University of Augsburg in Germany and also attending the International Conference of Young Researchers on Advanced Materials in Singapore.

Nuclear Physics

Dr Nikolai Lobanov will be attending the 12th Heavy Ion Accelerators Technology Conference and High-Mass RIB Workshop at ANL, USA, from 18th June - 22nd June and visiting the NSCL at Michigan State University for collaboration discussion on accelerator science and technology from 25th June till 28th June 2012.

DEPARTMENTAL SEMINARS

Nonlinear Physics Centre

Aspects of Nanophotonics

Prof Shanhui Fan

Stanford University

Monday 2 July at 11am

Link Bldg Seminar Room, Oliphant Bldng

Collective phenomena in semiconductor microcavities

Prof Ivan A. Shelykh

Nanyang Technological University, Singapore

Wednesday 4 July at 11am

Link Bldg Seminar Room, Oliphant Bldng

Theoretical Physics

Maximal Unitarity at Two Loops

David Kosower

CEA-Saclay, France

Friday 29 June 2012 at 11am

LeCouteur Seminar room, level 3, 3.17

Theoretical Physics mid-term review seminar

The interplay between discrete holomorphicity and integrability in the Z_N model



Mr Imam Alam

PhD Student, Theoretical Physics

Thursday 28 June at 2pm

LeCouteur Seminar room, level 3, 3.17

Laser Physics Centre

3D vision, touch and closed-loop control in holographic optical tweezers

Dr Richard Bowman

Optics Group, University of Glasgow, UK

Thursday 28th June at 11am

LeCouteur Seminar Room 3.17

EDUCATION MATTERS

As we come to the end of first semester, PEC would like to thank all RSPE staff, PhD and Honours students who contributed to the successful running of the undergraduate program. It is gratifying to see a continued increase in contribution from those who haven't been involved in coursework in the past.

Exam period has started: thanks to all those involved in setting and marking the exams. Don't forget that the PEC examiners' meeting will be held on **Monday 25th June at 11am** in the CQC2T seminar room. Course convenors are reminded that marks are due with Laura by COB Friday 22nd June. Remember that Wattle will also be unavailable from this time, so make sure you have downloaded all your grades from your course sites.

Second semester course convenors: don't forget to set up your new course sites on the Moodle 2 system. Your old site will not just roll over, and the user interface is different so worth getting used to in advance.

3 MINUTE THESIS

Two EME students competed in the ANU 3 Minute Thesis competition on Monday 18th June. Dhruv Saxena spoke about Lasers smaller than light and Sam Turner about Enhancing solar cell performance. Great effort!

OHS Training

Tuesday 31st July, 11am –Link Seminar room

New ANU online risk assessment system

The ANU has developed a new online risk assessment database which aims to help all ANU staff and students effectively assess all risk related to their tasks. This is an easy to use system with relevant prompts to build up a comprehensive risk assessment that identifies all hazards, related risks and also in implementing controls to mitigate the risks.

Australian Institute of Physics Congress

The 20th Australian Institute of Physics Congress will be held at the University of New South Wales, 9-13 December 2012. <http://www.aip2012.org.au/>

The Australian Institute of Physics Congress incorporating the 37th Australian Conference on Optical Fibre Technology will be the biggest and most diverse scientific meeting of the Australian physics calendar in 2012. The AIP/ACOFT Congress attracts many of Australia's finest physicists plus a number of prominent overseas attendees.

The four day program includes plenary lectures, parallel sessions, an exhibition, public lecture, industry forum, welcome reception and the option of attending the Congress dinner, all of which provide a variety of settings for delegates to increase and update their knowledge, catch up with old friends and colleagues and create valuable networks.

Registration and abstract submission is now open.

Please support this major event of the Australian Physics community.

Your local Scientific Program Committee representatives are: Steve Gibson (Atomic and Molecular Physics) and Tibor Kibedi (Nuclear).

DEVELOPMENT

Dr Nigel Snoad, one of our alumnus who completed his Bachelor of Science Honours in Physics in 1994, was interviewed by Fran Kelly on radio national. Nigel also has a PhD in Engineering from the ANU. He is currently a Product Manager of Crisis Response at Google International Affairs in New York and is also the Information Management Strategy Advisor at the UN Office for the Coordination of Humanitarian Affairs. He is in Australia to host an Emergency Management Round Table discussion in Sydney, taking a look at the role technology can play in floods, cyclones and bushfires. To listen to his interview, please see link

<http://www.abc.net.au/radionational/programs/breakfast/gooole-disasters/4083428>

From the Friday Night Social Club

Wanted: volunteers to help run, support and coordinate the Social Club. Please contact Patrick Parkinson if you can help.

Due to high demand from last week the Social Club will not be running this week. Apologies and see you next week.