



Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 13 | 4-12 April 2013

FROM DIRECTOR'S OFFICE

Congratulations to Professor Vladimir Bazhanov as the new Head of Department for Theoretical Physics as of 1 April 2013.

The Director will be Chairing a Review of the ANSTO Life Sciences Division next week and will be in Sydney 9-11 April. **Professor Tim Senden** will be Acting Director for this period.

STAFF MOVEMENTS

Theoretical Physics

Professor Murray Batchelor will be absent from 25 March 19 - April. He will give an invited talk at the International Workshop on Critical Behaviour in Lattice Models in Beijing, April 1-4; the Council Meeting of the Asia-Pacific Center for Theoretical Physics, Pohang, South Korea, 5 April; an invited talk at the Workshop on Conformal Invariance in Continuous and Discrete Systems, Simons Center, New York, 8 -12 April and chair the annual board meeting of J Phys A in London, 15 - 16 April.

Professor Vladimir Bazhanov will be travelling to the USA from 6 April - 9 May 2013 to give invited talks at the "Conformal Geometry" program and the workshop on "Conformal Invariance in Continuous and Discrete Systems" to be held at the Simons Centre for Geometry and Physics, Stony Brook. **Dr Vladimir Mangazeev** will take up duties as Head of Department Theoretical Physics for that period.

Electronics Material Engineering

The following people will be attending MRS Spring meeting San Francisco USA.

Dr Bianca Haberl 1-9 April

Professor Rob Elliman and **Dr Dinesh Venkatachalam**, 30 March- 12 April, who will also be attending research commitments.

A/Prof Jenny Wong Leung will be visiting the Microscopy of Semiconducting Materials Conference in Oxford UK from 6-15 April.

Jenny Jiang will be absent from 22 March to 3 May visiting the University of Cincinnati and will be also attending the MRS Spring Meeting in San Francisco from 1 - 7 April.

PHYSICS EDUCATION CENTRE

Education Planning Day

Monday 8 April
Mount Stromlo

The Centre for Physics Teaching will hold a one day RSPE education planning day on Monday the 8th of April. The planning day will be held at Mount Stromlo. All staff who are involved in teaching or who are interested in contributing to the teaching program are encouraged to attend. Please put the date in your calendars. The agenda for the discussion is not yet finalised but likely topics will include information on the basic structure of the BSc, a description of courses we offer, the ANU physics curriculum etc. At the end of the day, all staff should have a reasonable overview of the complete current teaching program including honours. There will be time in the afternoon to discuss future challenges and future directions. If there is a topic you would particularly like discussed, please send your suggestion to John Close.

HIAS2013

Nuclear Physics Department

The second Heavy Ion Accelerator Symposium on Fundamental and Applied Science (HIAS2013)

Organised by the Department of Nuclear Physics, will be held from the 8- 12 April at the Manning Clark Centre, ANU, Canberra. The symposium will be attended by nearly 130 participants from 20 countries. The opening address will be given by Professor Ian Chubb. The schedule of talk is available on the web

<http://hias.anu.edu.au/2013/program.php>.

Please let Petra know if you would like to attend any talks, petra.rickman@anu.edu.au.

DEPARTMENTAL SEMINARS

Electronics Material Engineering

Combined seminar Short talks by

Fluorescent polymer coated capillaries as optofluidic refractometric (bio) chemical sensors

Dr Kristopher Rowland

Molecular Beacon immobilized within suspended core optical fiber for specific DNA detection

Dr Linh Nguyen

Endometrial Sensing: New Tools for Women's Health

Dr Stephen Warren-Smith

12:00-1:00pm Tuesday 9 April

Oliphant Building Seminar Room

Nonlinear Physics Centre

Computational methods for the dynamics of the nonlinear Schrodinger/Gross-Pitaevskii equations and applications

Professor Weizhu Bao

Department of Mathematics, National University of Singapore

11:00am Wednesday 10 April

Oliphant Building Seminar Room

Applied Mathematics

Investigation into X-ray beam-hardening and correction techniques

Mahsa Paziresh

PhD Student Department of Applied Mathematics

3:17pm Friday 12 April

Le Couteur Building Room 3.17

IEEE PHOTONICS SOCIETY SEMINAR

Photonic Start-ups in Academia and Industry

Dr Simon Poole

IEEE Photonics Society Distinguished Lecturer

2:00pm Monday 15 April

Leonard Huxley Lecture Theatre

More info about Simon and his talk can be found at

<http://photonicsociety.org/newsletters/jun12/Careers-Lecturers.html>

OHS BULLETIN

OHS training course venue – now

5 Liversidge Street Building 69.

Manual handling (OHSG06), 8 April

Compressed gas and Cryogenic safety (OHS04), 11 April

APPLICATION FOR SCHOLARSHIP

Applications are being called for the Scholarship for Space Plasma, Astronomy and Astrophysics.

The scholarship is intended to aid postgraduate students undertaking research in Space Plasma, Astronomy or Astrophysics. The scholarship could be used towards travel, acquiring of equipment or collaboration activities as required.

Further details, including eligibility and the conditions of the award, can be found at

<http://students.anu.edu.au/scholarships/gr/off/dom/space-plasma.php>

Applicants need to present a case, supported by their supervisor, specifying why funding is required and how it will assist their current research.

The closing date for applications is 15th April 2013.