



Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 10 | 15 – 21 March 2013

SCHOOL SEMINAR

Physics under Pressure: New Phases of Silicon and Germanium

Dr Bianca Haberl

Electronics Material Engineering

4:00pm Thursday 28 March

Leonard Huxley Lecture Theatre

Please join us for snacks in the tearoom after the lecture

CONGRATULATIONS

Please join the School in offering congratulations to **Professor Wieslaw Krolkowski** who will be conferred with an honorary degree from the Technical University of Denmark in May. The *doctor technices honoris causa* is the highest honour the university offers.

WELCOME

Electronics Material Engineering

Welcome **Matt Wallace** who is our new Trainee Technical Officer. Matt completed an apprenticeship in the Physics workshop and after some short term jobs has returned to work in our Department.

STAFF MOVEMENTS

Electronics Material Engineering

Professor Chennupati Jagadish will be absent from 14 - 28 March attending the The Optical Fiber Communication Conference and Exposition and the National Fiber Optic Engineers Conference (OFC/NFOEC 13) at Anaheim California and then to the UK to attend the J. Phys. D. applied Physics Editorial Board Meeting in Oxford. Included in this trip are visits to University of Southern California and University of Oxford.

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

DEPARTMENTAL SEMINARS

Nuclear Physics Seminar

Convergent close-coupling calculations of multiple atomic ionization

Professor Anatoli Kheifets

Atomic and Molecular Physics Laboratories

11:00am Monday 25 March 11:00

Nuclear Physics Seminar Room

Physics of Fluids Seminar

Elastic turbulence and elastic stresses

Professor Victor Steinberg

Department of Physics of Complex Systems, Weizmann Institute of Science (Israel)

3:00pm Tuesday 19 March

RSPE Seminar Room

Victor Steinberg is the Harry de Jur Professor of Physics at the Weizmann Institute of Science (Rehovot, Israel). His research interests cover soft matter hydrodynamics, dynamics of soft micro-objects in various flows, convective and hydrodynamic turbulence, hydrodynamic instabilities, pattern formation and dynamics in non-equilibrium systems, defect dynamics, hydrodynamics of fluid near the gas-liquid critical point, superfluidity, dynamics and hydrodynamics of complex plasma. Professor Steinberg is a recipient of numerous international awards, including Ulam Distinguished Scholar Award, Municipal Professorial Chair of the University of Joseph Fourier, and Alexander von Humboldt Research Award.

Enquiries: Michael.Shats@anu.edu.au

Laser Physics Centre Seminar

Structural and physical properties of Ge-As-Se glasses

Mr Ting Wang

PhD Student, Laser Physics Centre

11:00am Thursday 21 March

RSPE Seminar Room

PHYSICS EDUCATION CENTRE

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.

ASIA PACIFIC PHYSICS CONFERENCE

12th Asia Pacific Physics Conference (APPC12) at Makuhari, Chiba, Japan, 14-19 July 2013

Abstract submissions are now open and close on 10 April.

Registrations open 15 March

We also fixed most of the plenary speakers including two Nobel laureates. We finalized speakers of plenary session for ASEPS (AAAPPS and EPS joint session) as well. The selection of C. N.

Yang Award is in progress. Public lectures will be given on the 14 July, though lectures will be given by Japanese. The assemblies related to AAPPS and Presidents of Asian countries/ regions will be held on 14 July.

Please visit

<http://www.jps.or.jp/APPC12/abstractsubmission.html>

OHS BULLETIN

OHS training course venue – now

5 Liversidge Street Building 69.

Self contained breathing apparatus - Tuesday, 19 March

OHS Training for Supervisors - Tuesday, 26 March

Responsibility for Controlling Access to Hazardous or Restricted Locations

3.1 Responsibility of the Budget Unit.

It is an important element of the University's occupational health and safety control program that all persons, other than approved persons with appropriate information, training and supervision, be excluded from hazardous or restricted locations.

Budget Unit management is responsible for identifying hazardous locations or restricted locations within its domains and controlling access of persons to such locations.

Children are not allowed in University buildings where hazardous locations or restricted locations exist, unless special arrangements are made by Budget Unit management to ensure children will not enter hazardous locations or restricted locations within the building or be exposed to hazardous agents.

The general public are not allowed in University buildings where hazardous locations or restricted locations exist, unless special arrangements are made by Budget Unit management to ensure the public will not enter hazardous locations or restricted locations within the building or be exposed to hazardous agents.

For further information refer to:

http://policies.anu.edu.au/procedures/control_of_access_to_hazardous_and_restricted_locations/procedure

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.