



## Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 14 | 12-18 April 2013

### FROM THE DIRECTOR'S OFFICE

The Director will be out of the office on Monday 15 April. Paperwork will be completed as soon as possible on Tuesday 16 April.

### DIRECTOR'S COLLOQUIUM



#### Bioactivation of surfaces by ion implantation

**Professor Marcela Bilek**

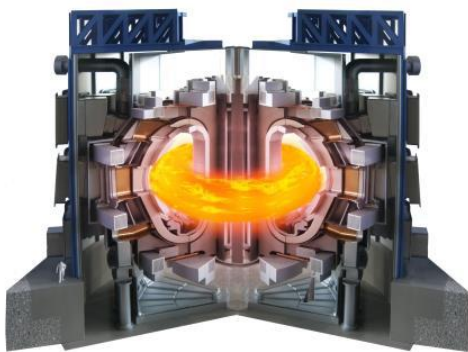
Applied and Plasma Physics, University of Sydney

**12.00 Thursday 2 May**

Leonard Huxley Lecture Theatre

Snacks will be provided at 11:30am prior to the Colloquium

### SCHOOL SEMINAR



#### The physics of cold to burning plasmas

**Dr Matthew Hole**

Plasma Research Laboratory, RSPE, ANU

**4:00pm Thursday 18 April**

Leonard Huxley Lecture Theatre

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

**ALL WELCOME**

### 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>

### STAFF MOVEMENTS

#### Electronics Material Engineering

**Dr Felipe Kremer** along with PhD students **Ruixing (Andy) Feng** and **Sahar Mirzaei** will be attending Synchrotron in Melbourne for experiments 16-20 April

### VISITORS

#### CAMS/AMPL

**Professor Hyuck Cho** from Chungnam University, Daejeon, South Korea is visiting from 5-17 April. He will be continuing a long-term collaboration with **Dr James Sullivan** and **Professor Steve Buckman** on low energy electron and positron scattering. We warmly welcome Hyuck back to Australia.

### DEPARTMENTAL SEMINARS

#### 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

#### Theoretical Physics

**Midterm Seminar: Rogue waves in optical fibres**

**Amdad Chowdhury**

Theoretical Physics Department

**3:00pm Monday 15 April**

Link Building Seminar Room

#### Applied Mathematics

**Calculating Ion Interactions in Water with the Continuum Solvent Model**

**Tim Duignan**

PhD Student Department of Applied Mathematics

**3:17pm Wednesday 17 April**

Le Couteur Building 3.17

### **Electronics Material Engineering**

**Wide bandgap semiconductors for Nanophotonics**

**Dr Igor Aharonovich**

School of Physics and Advanced Materials, University of Technology, Sydney

**2:00pm Friday 19 April**

RSPE Link Seminar Room

### **Nuclear Physics**

**Spectroscopy of Heaviest Nuclei: Challenges and Perspectives**

**Professor F. G. Kondev**

Argonne National Laboratory

**11:00am Monday 22 April**

Nuclear Physics Seminar Room

### **OHS BULLETIN**

OHS training course venue – 5 Liversidge Street Building 69.

**Workshop and trade safety (OHS22)**

**30 April 2013**

**Flammable liquids (OHS13)**

**21 May 2013**

**Ionizing radiation safety (OHS18)**

**28 May 2013**

### **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.**

### **AUSTRALIA'S SATELLITE UTILISATION POLICY LAUNCH**

The Federal Government launched Australia's first space policy at Mount Stromlo on Tuesday 9 April 2013. The launch showcased 14 Australian space research projects. The \$40 million Federal Government investment will support space-related research, education and innovation activities. This development will also benefit the Australian plasma thruster work by Professor Christine Charles and her team. The ANU is one of the six universities in Australia to receive the funding boost.



**Photo:** ACT Labor Senator Kate Lundy with Professor Christine Charles at the launch which took place at Mount Stromlo Observatory