



## Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 17 | 3 - 9 May 2013

### FROM THE DIRECTOR'S OFFICE

The Director will be in China from 5-12 May holding discussions for collaborative research and educational opportunities. He will visit and present Colloquia at Wuhan Institute of Physics and Mathematics (Chinese Academy of Science); Wuhan University; Peking University; Beijing Institute of Technology and The Institute of High Energy Physics, Beijing (Chinese Academy of Science). Professor Ken Baldwin will be acting Director during this period.

Business Development Manager Neil Radford, from the Office of Commercialisation, is now located in the School every Thursday all day. His office will be the Development Board room, Level 4 Oliphant Building. Please feel free to visit and chat to him about commercial opportunities for research.

### DIRECTOR'S COLLOQUIUM



Yesterday's Colloquium by Professor Marcela Bilek on the bio activation of surfaces by energetic ion implantation presented a fascinating insight into the scientific challenges of a multi-disciplinary activity. The seminar was very well received and Professor Bilek was kept very busy throughout the day engaging with many groups in the school. It was fascinating to hear of the many medical based applications of a fundamental plasma physics process.

### STAFF MOVEMENTS

#### **Applied Mathematics**

Tim Senden, Tim Sawkins, Joseph Micallef and Ben Young (from Lithicon) will be installing a School-built MicroCT facility in Qatar 3-12 May. Tim Senden will continue to travel to Brazil, returning 21 May.

Dr Adrian Sheppard will be Head of Department 2 - 21 May.

#### **Nuclear Physics Department**

Dr Tibor Kibedi will be overseas in the period 3 May - 1 June. Dr Kibedi will be attending and presenting invited talks at the IAEA consultancy meeting on Auger Electrons from 6 - 10 May at IAES's headquarters, Vienna, Austria. He will then present an invited talk at the Workshop on Nuclear Level Density and Gamma Strength being held at the University of Oslo, Norway, 27 - 31 May.

#### **Laser Physics Centre**

Professor Wieslaw Krolikowski is away from 26 April -21 May. Professor Andrei Rode is acting HoD in his absence.

#### **Electronics Material Engineering**

Departmental Administrator from EME Julie Arnold will be on leave from 3-10 May

### WELCOME

#### **Nuclear Physics**

Please welcome to the Department Dr Ankha Hota, new postdoctoral fellow with the Gamma Group. Dr Hota can be contacted on extension 50609.

#### **Electronics Material Engineering**

Would like to welcome Dr Xinjun Liu who joins us from Gwanjiu Institute of Science and Technology where he has been working for the last three and half years Xinjun will be working with Professor Rob Elliman and can be found in the Cockcroft Building Room C4.42

### DEPARTMENTAL SEMINARS

#### **Nuclear Physics**

#### **Mechanism and time-scale in breakup of $6,7\text{Li}$**

#### **Dr D. H. Luong**

Department Nuclear Physics

**11:00am Monday 6 May**

Nuclear Physics Seminar Room

Building 57, West end of Garran Road

## **Electronics Material Engineering**

### **Nanowire Thermoelectrics**

**Professor Heiner Linke**

Lund University

**11:00am Tuesday 7 May**

Oliphant Building Seminar Room

## **Theoretical Physics**

### **Spin-Orbit-Coupled Ultracold Atomic Gases**

**XiaJi Liu**

Centre for Atom Optics and Ultrafast Spectroscopy, Swinburne University of Technology, Melbourne, Australia

**11:00am Tuesday 7 May**

Theoretical Physics Seminar Room

Le Couteur (Bldg #59), L.3.17

## **W-algebras and Vinberg's problem for centralizers**

**Tomoyuki Arakawa**

RIMS Kyoto

**2:00pm Friday 10 May**

John Dedman Building, Seminar Room G35

## **Modular invariant partition function of critical dense polymers**

**Alexi Morin-Duchesne**

Centre for Mathematical Physics, Dept. of Mathematics University of Queensland

**10:00am Wednesday 15 May**

Theoretical Physics Seminar Room

Le Couteur (Bldg #59), L.3.17

## **OHS BULLETIN**

OHS training course venue – now

5 Liversidge Street Building 69.

**Laser safety (OHSA20) 9 May**

**Flammable liquids (OHSA13), 21 May**

**Ionizing radiation safety (OHSA18), 28 May**

## **CROOK BACK CLINIC**

The ANU Staff Wellbeing Program is pleased to provide the Crook Back Clinic for RSPE staff and PhD students who want to improve their musculo-skeletal status. It is a must for people with crook backs, stiff necks, frozen shoulders and sore arms.

I have arranged two sessions for RSPE Staff and PhD Students to attend:

**Tuesday, 21 May 2013**

**Session 0019 - 10am to 12noon**

**Session 0020 - 12:30pm to 2:30pm**

Register on HORUS using course code OHSW25 and choose session

Sessions are limited to 20 so register early

Note - there is no cost for this course.

**For further information contact**

Robyn Holder, Wellbeing Program

T 6125 8943

E [wellbeingprogram@anu.edu.au](mailto:wellbeingprogram@anu.edu.au)

## **ANU STUDENT CHAPTER**

Members of the Optical Society of America ANU Student Chapter attended a paint-ball session on Sunday, 28 April.

All had a lot of fun though there were some bruises to be seen on Monday morning.

Sergey Kruk, a PhD student with Nonlinear Physics Centre, is the President of the ANU Student Chapter.

