



## Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 44 | 8-14 November 2013

### FROM THE DIRECTOR'S OFFICE

Congratulations to all our successful ARC applicants – the School has done very well with some excellent Discovery Grants, and several Future Fellows and DECRA awards. With 16 Discovery Grants (my quick count!) we have secured about 20% of the total for ANU, a great result, with total funding in excess of \$7.5M. Commiserations to those that were not successful – but do not lose heart, and start now to plan for the next round.

The Director will be spending two weeks in Malaysia (14-29 November) as part of his Distinguished Visiting Professor Appointment at the University of Malaya. During this period **Professor John Close** will be Acting Director.

Andrea Benson upon her marriage to Andrew Butler will now be named Mrs Andrea Butler. Her new email address will be [andrea.butler@anu.edu.au](mailto:andrea.butler@anu.edu.au).

### PHYSICS EDUCATION REPORT

The honours students will be holding final talks on their projects on the Tuesday 12th of November. Talks will start at 9:00 am and will be held in the honours lecture room in Huxley near the School computing unit. I will circulate a schedule of talks including titles and abstracts prior to the talks. All staff and students are encouraged to attend this event. Honours is an important year for the students and for RSPE, and your support for the honours students at this event is very much appreciated by the students, by PEC and by the School.

### FROM THE DEPUTY DIRECTOR – TECHNOLOGY DEVELOPMENT

#### *Introduction to the Technology Transfer Office*

**12:00 Monday 11th November**

#### **Oliphant Seminar Room**

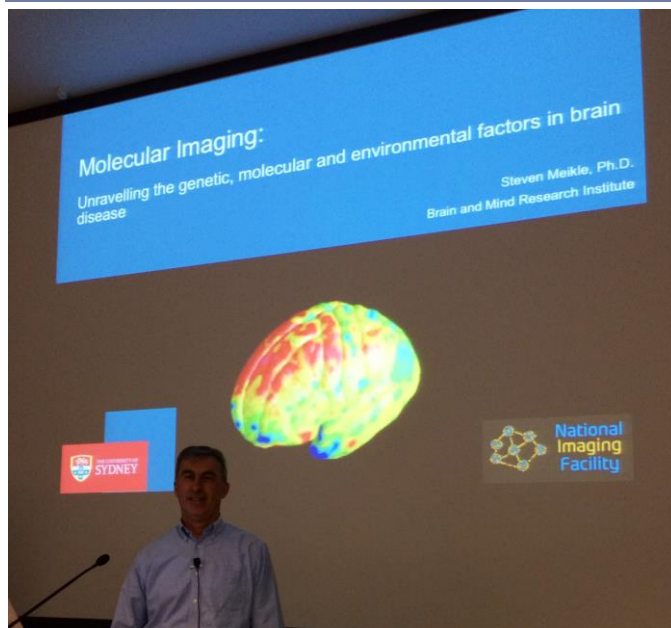
All members of the School are invited to a series of short presentations about how to engage with industry and improve access to external funding. Over an hour attendees will be introduced to the policy framework at the ANU, the team supporting you and the plan for engagement. Lunch (provided) and discussions will follow.

RSVP to [Tim.Senden@anu.edu.au](mailto:Tim.Senden@anu.edu.au)

### CONGRATULATIONS

Congratulations goes to **Luda Mangos** and her family on the arrival of baby girl Anna (3.7kg and 50cm long) very early Tuesday 5/11/13. Bub, mum, dad and big sisters are well and thrilled with the arrival.

### DIRECTOR'S COLLOQUIUM



On Thursday a big Colloquium audience was treated to an insight into the world of medical imaging by **Dr Steve Meikle** of the University of Sydney. After a very nice introduction into the world of functional imaging and PET scans, Steve kept the audience fascinated with the story of his latest research using advanced motion tracking technology in combination with PET scanners. The applications of this technology to environmental response studies in animal subjects are an exciting new development in the field.

### SCHOOL SEMINAR

#### *Exactly Solvable Models in Ultracold Physics*

**Prof. Angela Foerster**

Department of Theoretical Physics

**4pm, Thursday 21 November**

Leonard Huxley Lecture Theatre

Refreshments will be served after the seminar in the Le Couteur Building.

### NEWS FROM RSPE STUDENT OFFICE

We welcome **Karen Scholte** from the Research School of Biology to the RSPE Student Admin team. Karen Scholte will be here for the next 15 months whilst **Luda Mangos** is on extended leave. Karen Scholte will be working the following hours: Mon 9.00-5.00pm and Tues to Friday 9.30am to 2.30pm. The student office would appreciate if everyone could use the [research.students@physics.anu.edu.au](mailto:research.students@physics.anu.edu.au) for all official email correspondence.

## 25<sup>TH</sup> YEAR CELEBRATION

EME celebrated its 25th birthday on Nov 1, 2013. Over one hundred revellers, including current staff and students, plus alumni and colleagues from other Departments and Colleges, enjoyed an abundance of cake and champagne. A historical overview on the genesis of the Department was presented by EME's first Head of Department, Emeritus Professor Jim Williams. The current Head, Professor Mark Ridgway, then chronicled EME from the past to present. This was a fine afternoon celebrating a very successful first 25 years for a department that has now grown to be the largest in the Research School of Physics and Engineering. Hoping the next 25 years will be even better.



## VISITORS

### **Nonlinear Physics Center**

**Dr Sergey Mikhailov**, visitor from Institute of Physics, University of Augsburg Germany, is arriving today for a two week visit with NLPC. He will have a desk in L1.07. Phone – 59524 Email – [sergey.mikhailov@physik.uni-augsburg.de](mailto:sergey.mikhailov@physik.uni-augsburg.de)

**Professor Alexander Smirnov**, visitor from Institute of Applied Physics, Russian Academy of Sciences, is arriving today for a 2.5 weeks visit with NLPC. He will have a desk in L1.12. Telephone – 59139. Email – [smirnov@appl.sci-nnov.ru](mailto:smirnov@appl.sci-nnov.ru)

## DEPARTMENTAL SEMINARS

### **Nuclear Physics Department**

Mid-Term Seminar

#### **High Spin States in Neutron-Rich Tantalum Nuclei**

**Mr Nyaladzi Palalani**

Nuclear Physics Department

**11:00am Monday 11 November**

Nuclear Physics Seminar Room

### **Laser Physics Centre**

Mid-Term Seminar

#### **Quantum Devices at 1550 nm: Erbium, Lasers and Solid State Hosts**

**Mr Milos Rancic**

Laser Physics Centre

**1: 30pm Wednesday 13 November**

Oliphant Building Seminar Room

### **Nuclear Physics Department**

#### **Measuring oxygen isotopes beyond the neutron dripline: Two-neutron emission and radioactivity**

**Dr Zach Kohley**

Assistant Professor National Superconducting Cyclotron Laboratory Michigan State University

**11:00am Thursday 14 November**

Nuclear Physics Seminar Room

#### **In Search of double beta decay**

**Professor Kai Zuber**

Technische Universität Dresden, Germany

**11:00am Monday 18 November**

Nuclear Physics Seminar Room

## STAFF MOVEMENT

### **Electronic Materials Engineering**

**Professor Chennupati Jagadish** will be attending the Overseas Indian Diaspora Meeting in Sydney 11 November.

**Professor Chennupati Jagadish & Drs Fouad Karouta, Naeem Shahid, Lily Li & Kaushal Vora** will be attending the ANFF Annual Research Showcase in Melbourne 13-14 November

### **Nuclear Physics Department**

**Dr Tibor Kibedi** will be away in the period 11 - 18 November to attend the 4th Annual Congress of International Medichem-2013 being held in Haikou, China as an invited speaker.

## 2014 ALUMNI AWARDS

The ANU Alumni Awards celebrate and showcase the outstanding and diverse range of ANU graduates.

This is RSPE's chance to celebrate and promote alumni who are making the difference and to say thank you to alumni for contributing to the University's reputation by being extraordinary.

**Nominations Close: 30 November 2013 Midnight (AEST)**

W: <https://alumniandfriends.anu.edu.au/alumni-awards-2014>

Please consider nominating outstanding alumni from the School. Contact: Kavitha Robinson, Development Manager, E: [kavitha.robinson@anu.edu.au](mailto:kavitha.robinson@anu.edu.au)

## MOVEMBER CHEESECAKE MORNING TEA

### **The Grow has Begun**

November is here, the Grow has started. Stand tall Mo Bro's and Sista's, Stand Proud and Support your Physics Team. To donate or register please go to <http://moteam.co/mofisica>.

We will be holding a fundraising morning tea this Thursday 14 November, please bring a gold coin donation for each slice of delicious homemade cheesecake. Om Nom Nom Nom