



Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 39 | 4–10 October 2013

FROM THE DIRECTOR'S OFFICE

The Director will be presenting an invited talk at the American Physical Society's Gaseous Electronics Conference in Princeton, NJ, from 30 September – 4 October. **Professor Tim Senden** will be Acting Director during this period.

Andrea Benson, the Director's Executive Assistant, will be on leave from 4 October to 4 November. In her absence the Director's Office will be attended from 9-11am each day by **Julia Wee** (4 -18 Oct) and **Julie Arnold** (21 Oct – 1 Nov).

DEPARTMENTAL SEMINARS

AMPL/CAMS

Matter at Extreme Conditions

Lee A. Collins

Los Alamos National Laboratory

10:00am Thursday 10 October

Oliphant Building Seminar Room

PUBLISHING IN SCIENTIFIC JOURNALS

All staff are encouraged to come along to a second seminar by Dr. Lee Collins entitled "Adventures in Scientific Publication". Dr. Collins is an Associate Editor of Physical Review A and he will examine the essential elements of a successful journal submission. Junior academic staff will find the seminar particularly enlightening.

Adventures in Scientific Publication

Lee A. Collins

Los Alamos National Laboratory

11:00am Friday 11 October

Oliphant Building Seminar Room

WELCOME

Electronics Materials Engineering

EME welcomes occupational trainee **Yu-Jie Ma** and **Fenglin Xian**. Yu-Jie is currently undertaking a PhD at Shandong University, China with the topic 'Radiation Effects Study on Optical Materials' and is working on the Irradiation TEM SAXS project with **Professor Mark Ridgway**. Yu-Jie can be found in the Cockcroft Bld room C4.39.

Fenglin is currently undertaking a PhD at the Nanjing University of Science and Technology in the area of Zinc Oxide Nanostructures. He will be working with **Professor Hoe Tan** in the same Optoelectrical Application. He can be found in Cockcroft Bld room C4.39.

New PhD student **Bijun Zhao** has joined us after completing a Masters at South China Normal University in the area of Gallium Nitrate Solar Cells and is working with Prof Hoe Tan in the area of Gallium Nitrite Nanowires. Bijun can be found in Cockcroft Bld room C4.39.

New Postdoc **Dr Scott Medling** who has joined us from Lawrence Berkely National Laboratory, USA. He will be working with Prof Jagadish, Prof Hoe Tan and Prof Mark Ridgway in the area of Synchrotron Techniques. He can be found in John Carver Bld room J4.18.

New technical staff **Chris Kafer** has joined EME after completing an apprenticeship at ADFA. He can be found in John Carver Bld room J4.8.

STAFF MOVEMENTS

Plasma Research Laboratory

Professor John Howard is absent for six weeks on long service leave until mid-November. During this time, John will be watching two of his sons, Danny and Stephen, represent the USA, their country of birth, in the rugby league world cup in England. **Boyd Blackwell** will be HoD in John's absence.

Atomic & Molecular Physics

Welcomes **Dr Vladislav Serov** of the Saratov State University, Russia. He will be working with Professor Anatoli Kheifets on various theoretical problems of atomic and molecular ionization. Dr Serov will be staying at AMPL till the end of October and located in office C5.11.

Nonlinear Physics Centre

Welcomes several people to the Department. **Dr Lev Smirnov** has arrived to commence work with NLPC for two months. He will have a desk in L1.29. Telephone: 57849, email: smirnov_lev@appl.sci-annov.ru

Mr Sebastian Brake, a visiting student from Westfälische Wilhelms-Universität Münster Institut für Angewandte Physik, Germany, is arriving today for a three month visit with NLPC. He will have a desk in L3.31. Telephone: 50803, email: sebastian.brake@uni-muenster.de

Dr Andrey Evlyukhin, a visitor from Department of Nanotechnologies, Laser Zentrum, Hannover, Germany, is arriving today for a three week visit with NLPC. He will have a desk in L1.05. Telephone: 51745, email: a.b.evlyukhin@daad-alumni.de

Dr Tatsunosuke Matsui, a visitor from Department of Electrical and Electronic Engineering, Mie University, Japan, is arriving today for a month's visit with NLPC. He will have a desk in L1.07. Telephone: 59524, email: matsui@elec.mie-u.ac.jp

CONGRATULATIONS

To **Dr Fan Wang** and his wife Ting Ting on the birth of their beautiful son Evan.

FAREWELL

To **Dr Hao Wang** who has finished his contract with EME.

OHS BULLETIN

OHS training courses now at 5 Liversidge St, Building 69.
Self contained Breathing Apparatus (OHSG24) 18 October.

Ionizing Radiation Safety (OHSA18) 22 October.

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC) FIFTH ASSESSMENT REPORT, CLIMATE CHANGE 2013: THE PHYSICAL SCIENCE BASIS

Speaker: **Professor Nathan Bindoff**, University of Tasmania, and coordinating lead author of the IPCC Working Group I report.

Panel Speakers:

- **Associate Professor Janette Lindesay**, Acting Director of the ANU Climate Change Institute
- **Professor Patrick DeDecker**, Research School of Earth Sciences, Australian National University
- **Dr Andy Hogg**, Research School of Earth Sciences, Australian National University

Wednesday, 9 October 2013, 9-11am, Leonard Huxley Theatre, Building 56, Mills Road, ANU

The ANU Climate Change Institute will host an analysis of the most recent report on climate change science released on 27 September, 2013 by the IPCC, the leading international body for the assessment of climate change. The report, prepared by the IPCC Working Group I and entitled 'Climate Change 2013: The Physical Science Basis', contributes to the IPCC's Fifth Assessment Report to be released in 2014'.

"Climate Change 2013" is a comprehensive assessment of the most recent physical science data on climate change, drawing on scientific literature accepted for publication up to 15 March 2013. Professor Bindoff, one of the coordinating lead authors, will provide an overview of the Report. In addition, a panel of distinguished ANU academics expert in climate science will provide commentary, followed by a Q & A session. Refreshments will be provided after the public lecture.

Please register at <https://anuipcc.eventbrite.com.au/>

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.

Categories Available:

1. Alumnus of the Year (the highest honour),
2. International Alumnus of the Year,
3. Young Alumnus of the Year,
4. Student of the Year and
5. Alumni Volunteer Leader of the Year

Nominations Open: Friday 16 August 2013

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

MOVEMBER

Mo Bros and Sisters, It Is Time!

The time of growing and cultivating cometh. Are you ready? If you are, come and join your friendly Physics Team at <http://au.movember.com/team/1009153>

BEER CLUB HEADS NORTH

On Friday 11th October from 4pm, Beer Club will be held in the Physics North (near Department of Quantum Science) courtyard. The Friday Beer Club on October 11th has two aims. Firstly, it will be an opportunity to interact with undergraduate students in an informal atmosphere. Secondly, it provides an opportunity to bring Physics North and South staff closer together in a relaxed setting. Currently, it is planned to hold beer club at Physics North on the first Friday of every month. Please contact Cormac Corr (cormac.corr@anu.edu.au) or Colin Campbell (U5105921@anu.edu.au) if you have any questions.