

# Weekly Bulletin

Research School of Physics and Engineering



**Volume 35 Number 40**  
**23 – 29 October 2009**

## FROM THE DIRECTOR'S OFFICE

### Congratulations

Congratulations to Karen Jackson on being awarded an Australasian Research Management Society (ARMS) Excellence Award. Karen accepted her award at an ARMS seminar on Tuesday 6 October 2009 at the ANU.

## SCHOOL SEMINAR PROGRAM

### **Thursday 5 November**

4.00pm

“Optical Trapping and Guiding Particles in Air”

By Dr A V Rode

Laser Physics Centre

LEONARD HUXLEY LECTURE THEATRE

Drinks and light refreshments will be provided in the RSPE Link Tea Room after the Seminar.

All Welcome

## SCHOOL SEMINARS

### **Final MPhil Seminar – Nuclear Physics Dept**

**Wednesday 28 October 2009**

2.00pm

“Silicon Detector Characterisation for Beta Spectroscopy - from keV Conversion Electrons to MeV Electron - Positron Pairs”

by Mr Alan Devlin, Nuclear Physics

Nuclear Physics Seminar Room

All Welcome

### **ACQAO / AMPL Seminar**

**Thursday 29 October 2009**

10.00am

“Cooling and heating rubidium near 0 Kelvin”

by Dr Maarten Hoogerland, Department of Physics,  
The University of Auckland

RSPE Seminar Room

All Welcome

## NATIONAL EUROPE CENTRE PUBLIC LECTURE

Research School of Humanities, ANU College of Arts & Social Sciences, Research School of Physics and Engineering, ANU College of Physical Sciences

**Wednesday 28 October 2009**

**12.30 – 2.00pm**

“The Status of Fusion Research and Development”

**Speaker:** Dr Barry Green – School of Physics,  
University of Western Australia

**Chaired by:** Professor Jim Williams, Research School of Physics and Engineering, ANU College of Physical Sciences

**RSVP by Friday 23 October 2009 12.00pm - E: europe@anu.edu.au**

Venue - National Europe Centre, 1 Liversidge Street, Bldg 67C, ANU Inquiries - Email: europe@anu.edu.au. Phone: 6125 9896 National Europe Centre Public Lecture Series

## THE SECOND CONFERENCE OF ADVANCED PHYSICS

### **Final Honours Seminars**

The conference program will span a broad range of cutting edge physics from across the Research School of Physics and Engineering and beyond.

**Monday 9th and Tuesday 10th November 2009**

**1pm - 5pm**

### **MONDAY 9 NOVEMBER**

1:00 - Jennifer Zhu - Electronic Materials Engineering

1:30 - Andrew Wade - Department of Quantum Science

2:00 - Lachlan Nicholls - Department of Quantum Science

2:30 - Johnny Seongjoon Yi - Theoretical Physics

2:50 tea and cake break

3:30 - Robert Evans - Atomic and Molecular Physics

4:00 - Victoria Hudepohl - Physical and Theoretical Chemistry, RSC

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4:30 - Andrew Manning - Atomic and Molecular Physics

## **TUESDAY 10 NOVEMBER**

1:00 - Bill Noble - Atomic and Molecular Physics  
1:30 - Mathew Creese - Plasma Physics Laboratory  
2:00 - Kirsty Hannam - Atomic and Molecular Physics  
2:30 - Ryan Holmes - Department of Applied Mathematics  
2:50 tea and cake break  
3:30 - Justin Bewsher - Department of Quantum Science  
4:00 - Gordon McDonald - Department of Quantum Science  
4:30 - Prabha Thanarajan - Biophysics Group, RSBS

**Huxley Lecture Theatre, RSPE**

## **AIP AWARD CEREMONY**

Thursday 29 October 2009

5.30pm

The Bragg Gold Medal for Excellence in Physics: Dr Christian Rosberg and the AIP Award for Outstanding Service to Physics in Australia: Professor Hans Bacher

The award ceremony will be followed by short presentations by both award-winners and a reception.

Dunbar Physics Lecture Theatre (Phys T), Building 39, ANU Campus

We hope to see you there

Anna Wilson

(AIP ACT Branch Chair)

## **STAFF MOVEMENTS**

Professor Robert Dewar, Plasma Theory and Modelling group, PRL, will be away from 24 October – 16 November, attending the Asia Plasma Fusion Association/Asia Pacific Plasma Theory Conference in Aomori, Japan, a 65th Birthday Symposium on Stability and Nonlinear Dynamics of Plasmas and the Division of Plasma Physics meeting of the APS in Atlanta, USA, and a CIRM Workshop on Long-Range Interactions in Hamiltonian Systems in Luminy, France.

## **WELCOME**

Applied Maths welcomes Mr Holger Mitschke from the University of Friedrich-Alexander, Erlangen Germany who will be working with Vanessa Robins on auxetic frameworks developing mathematical and computational models.

## **GRANTS & AWARDS**

### **Royal Academy of Engineering**

Program Number: 46791

Title: MacRobert Award

E-mail: [macrobert@raeng.org.uk](mailto:macrobert@raeng.org.uk)

<<mailto:macrobert@raeng.org.uk>>

Web Site:

<http://www.raeng.org.uk/prizes/macrobert/default.htm>

Program URL:

<http://www.raeng.org.uk/prizes/macrobert/rules.htm>

The sponsor provides this award for an outstanding contribution by way of innovation in the fields of engineering or the other physical technologies or in the application of the physical sciences, which is or will be for the benefit of the community. Preference will be shown for applications from individuals and any other independent teams mainly composed of individuals who are nationals of the United Kingdom or resident in or working for a firm or organisation or laboratory established in the United Kingdom. The award comprises a gold medal for the winning company and a prize of £50,000 for the team members.

\*Deadline(s): 31/01/2010 \*

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?46791](http://australia.infoed.org/spin/spin_prog.asp?46791)

### **Optical Society of America**

Program Number: 88626

Title: International Meeting Support

E-mail: [awards@osa.org](mailto:awards@osa.org) <<mailto:awards@osa.org>>

Program URL:

<http://www.osa.org/aboutosa/internationalservices/councilprograms/meetingsupport/support.aspx>

The sponsor provides support to the global optics community by co-sponsoring international meetings.

\*Deadline(s): 18/01/2010 \*

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Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?88626](http://australia.infoed.org/spin/spin_prog.asp?88626)

## **Berthold Leibinger Stiftung**

Program Number: 03690

Title: Innovationspreis

E-mail: [sven.ederer@leibinger-stiftung.de](mailto:sven.ederer@leibinger-stiftung.de)

<<mailto:sven.ederer@leibinger-stiftung.de>>

Program URL: <http://www.leibinger-stiftung.de/2.innovationspreis.html>

The sponsor provides one of the highest remunerated international innovation prizes for laser technology.

\*Deadline(s): 01/12/2009 \*

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?03690](http://australia.infoed.org/spin/spin_prog.asp?03690)

## **Berthold Leibinger Stiftung**

Program Number: 03874

Title: Zukunftspreis

E-mail: [sven.ederer@leibinger-stiftung.de](mailto:sven.ederer@leibinger-stiftung.de)

<<mailto:sven.ederer@leibinger-stiftung.de>>

Program URL: <http://www.leibinger-stiftung.de/2.zukunftspreis.html>

The sponsor recognizes outstanding milestones in research concerning the application or generation of laser light.

### **Deadline(s):**

DEADLINE NOTE

There is no application process for the Berthold Leibinger Zukunftspreis. The jury selects the winner independently from applications and recommendations.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?03874](http://australia.infoed.org/spin/spin_prog.asp?03874)