

# Weekly Bulletin

Research School of Physics and Engineering



**Volume 35 Number 11**  
**27 March – 2 April 2009**

## SCHOOL SEMINAR PROGRAM

**Thursday 2 April 2009**

4.00pm

“What drives meso-scale wind turbulence?”

by Dr Hua Xia, Physics of Fluids Laboratory, PRL  
LEONARD HUXLEY LECTURE THEATRE

Drinks and light refreshments will be provided in  
the RSPSE Link Tea Room after the Seminar  
ALL WELCOME

## SCHOOL SEMINARS

**\*\* NOTE DATE CHANGED TO TUES 31/3 \*\***

**Nonlinear Physics Centre Seminar**

**Tuesday 31 March 2009**

11.00am

“Three Dimensional Geometrically Isotropic  
Metamaterials for Telecom Wavelengths”

By Professor Andrei V. Larvinenko, Plasmonic  
and Metamaterials Group, DTU Fotonik -  
Department of Photonics Engineering, Technical  
University of Denmark

Link Building Seminar Room, Oliphant Building  
ALL WELCOME

## STAFF MOVEMENTS

Professor Bob Dewar, Theoretical Physics, will attend the General Council meeting of the Asia Pacific Centre for Theoretical Physics (APCTP) 3 April 2009 at POSTECH in Pohang, Korea. He will also discuss Australia-Korea theoretical and experimental collaboration on fusion research, centred on the new Korean superconducting tokamak KSTAR, with Professor's Hyeon Park and Chang Mo Ryu of POSTECH.

Dr Xi-Wen Guan, Department of Theoretical Physics, will be undertaking a research visit under an Australian Academy of Science & Japan Society for the Promotion of Science Bilateral Exchange from 2 – 28 April 2009. Part of this will involve a scientific visit to the University of Tokyo Japan.

## WELCOME

The Plasma and Fluids Theory Group welcomes Dr Gregory von Nessi, who will be starting work at RPSE on Monday 30 April on an ISL funded project “Model/Data Fusion: using Bayesian inversion to constrain equilibrium and stability theory of advanced magnetic confinement experiments ahead of the International Thermonuclear Experimental Reactor”. The project involves collaboration with UKAEA Fusion and Max Planck Institute for Plasma Physics (Greifswald) in Germany. The Plasma and Fluids Theory Group also welcomes Jason Betram, who will be starting a PhD with the group on a related topic of “A Bayesian framework for MHD stability”.

## FROM SCHOOL FACILITIES & SERVICES

A reminder of the parking arrangement changes  
Front of Oliphant Building

2 Hour visitor parking is now be located on the eastern side of the flag pole. This area is reserved for **visitors** to the school and not staff and student parking. **Please be aware that parking in this area may result in a fine.**

## EARTH HOUR

Show that you care for the planet and have fun at the same time by switching off everything not needed between 8:30 - 9:30pm on Saturday night 28 March (or when leaving work on Friday), and coming to the ANU's Earth Hour BBQ, fire show and concert on Chifley Meadow near Fellows Oval between 6 and 9:30 pm.

Full details on the ANU Green web site:

[http://billboard.anu.edu.au/event\\_view.asp?id=41862](http://billboard.anu.edu.au/event_view.asp?id=41862)

## CAMS NEWS

Office Hours for CAMS Centre Office are now  
Monday - Friday 9.00am - 3.30pm

Ms Alena Almassy,  
Centre Administrator, CAMS

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## **GRANTS AND AWARDS**

### **Air Force Office of Scientific Research**

Program Number: 01107

Title: Research Interests of the Air Force Office of Scientific Research--Aerospace, Chemical and Materials Sciences

E-mail: [info@afosr.af.mil](mailto:info@afosr.af.mil)

Program URL:

<http://www07.grants.gov/search/search.do;jsessionid=QJ2gJQsH6QvwZQM8NMxNcZ9TQnJNPW0J3LZHYPZhKKz7C KB9>

The Aerospace, Chemical and Material Science Directorate strives to find, support, and foster new scientific discoveries that will ensure future novel innovations for The Future AF. The Directorate leads discovery and development of fundamental and integrated science that advances future air and space power. Award amounts and durations vary from proposal to proposal.

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

##### **DEADLINE NOTE**

This announcement remains open until superseded. Proposals are reviewed and evaluated as they are received. Proposals may be submitted at any time during the year.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?01107](http://australia.infoed.org/spin/spin_prog.asp?01107)

### **Air Force Office of Scientific Research**

Program Number: 01109

Title: Research Interests of the Air Force Office of Scientific Research--Physics and Electronics

E-mail: [info@afosr.af.mil](mailto:info@afosr.af.mil)

Program URL:

<http://www07.grants.gov/search/search.do;jsessionid=QJ2gJQsH6QvwZQM8NMxNcZ9TQnJNPW0J3LZHYPZhKKz7C KB9>

Support is provided to qualified individuals and institutions for physics and electronics research. Qualified individuals and institutions are eligible to apply. Grant funding ranges from proposal to proposal.

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

##### **DEADLINE NOTE**

This announcement will remain open through the remainder of FY09 or until replaced by a successor BAA. Proposals may be submitted at any time

during this period.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?01109](http://australia.infoed.org/spin/spin_prog.asp?01109)

### **Air Force Office of Scientific Research**

Program Number: 01111

Title: Research Interests of the Air Force Office of Scientific Research--Mathematics, Information and Life Sciences

E-mail: [info@afosr.af.mil](mailto:info@afosr.af.mil)

Program URL:

<http://www07.grants.gov/search/search.do;jsessionid=QJ2gJQsH6QvwZQM8NMxNcZ9TQnJNPW0J3LZHYPZhKKz7C KB9>

Support is provided for research in mathematics, information and life sciences. Anyone qualified to perform research is encouraged to apply. Award amounts and durations vary from proposal to proposal.

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

##### **DEADLINE NOTE**

This announcement remains open until superseded. Proposals are reviewed and evaluated as they are received. Proposals may be submitted at any time during the year.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?01111](http://australia.infoed.org/spin/spin_prog.asp?01111)

### **ASTech Foundation**

Program Number: 26799

Title: Excellence in Science & Technology Public Awareness Prize

E-mail: [info@astech.ab.ca](mailto:info@astech.ab.ca)

Web Site: <http://www.astech.ab.ca/awards/call-for-nominations/>

Program URL: <http://www.astech.ab.ca/assets/files/AST-014%20Nomination%20brochure%20FINAL%20March-2-09.pdf>

This award recognizes a recipient whose project, activity or organization increases public awareness of the benefits of science and technology, or enhances the understanding of science and technology in Alberta. The winner will receive \$5,000 and a sculpture.

#### **Deadline(s): 31/05/2009**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?26799](http://australia.infoed.org/spin/spin_prog.asp?26799)

### **Mineralogical Society of America**

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Program Number: 72825  
Title: Distinguished Public Service Medal  
E-mail: [mc43@esc.cam.ac.uk](mailto:mc43@esc.cam.ac.uk)  
Program URL:  
[http://www.minsocam.org/MSA/Awards/Public\\_Service.htm](http://www.minsocam.org/MSA/Awards/Public_Service.htm)

The sponsor provides an award to individuals who have made important contributions to furthering the vitality of the geological sciences, especially but not necessarily in the fields of mineralogy, geochemistry, petrology, and crystallography.

**Deadline(s): 01/06/2009**

Link to full program description:  
[http://australia.infoed.org/spin/spin\\_prog.asp?72825](http://australia.infoed.org/spin/spin_prog.asp?72825)

## **Australian Institute of Nuclear Science and Engineering**

Program Number: 87534  
Title: Postdoctoral Research Fellowships  
E-mail: [dmz@ansto.gov.au](mailto:dmz@ansto.gov.au)  
Web Site:  
[http://www.ainse.edu.au/ainse/for\\_academic\\_researchers/ainse\\_awards2.html](http://www.ainse.edu.au/ainse/for_academic_researchers/ainse_awards2.html) Program URL:  
[http://www.ainse.edu.au/\\_data/assets/pdf\\_file/0010/38566/research\\_fellowship\\_guidelines\\_2009\\_final](http://www.ainse.edu.au/_data/assets/pdf_file/0010/38566/research_fellowship_guidelines_2009_final).

The sponsor provides funding to add impetus to member universities growing stature in nuclear science and engineering and in related fields. Up to two fellowships will be awarded in 2009 for a three-year appointment in the first instance.

**Deadline(s): 31/05/2009**

Link to full program description:  
[http://australia.infoed.org/spin/spin\\_prog.asp?87534](http://australia.infoed.org/spin/spin_prog.asp?87534)

## **American Nuclear Society**

Program Number: 71465  
Title: Mark Mills Award  
E-mail:  
Program URL: <http://www.ans.org/honors/va-mills>

The sponsor makes an award to the graduate student author who submits the best original technical paper contributing to the advancement of science and engineering related to the atomic nucleus. The award is presented at the sponsor's annual meeting.

**Deadline(s): 01/06/2009**

Link to full program description:  
[http://australia.infoed.org/spin/spin\\_prog.asp?71465](http://australia.infoed.org/spin/spin_prog.asp?71465)

## **American Nuclear Society**

Program Number: 71468  
Title: Reactor Technology Award  
E-mail:  
Web Site: <http://www.ans.org/honors/sd/reactech-form.pdf>  
Program URL: <http://www.ans.org/honors/va-reactech>

The sponsor makes an award to an individual or individuals who have made original and excellent contributions to the advancement of reactor technology. The award is presented at the sponsor's annual meeting.

**Deadline(s): 01/07/2009**

Link to full program description:  
[http://australia.infoed.org/spin/spin\\_prog.asp?71468](http://australia.infoed.org/spin/spin_prog.asp?71468)

## **American Nuclear Society**

Program Number: 71475  
Title: Seaborg Medal  
E-mail:  
Program URL: <http://www.ans.org/honors/va-seaborg>

The sponsor makes an award to recognize an individual who has made outstanding scientific or engineering research contributions to the development of peaceful uses of nuclear energy. The award consists of an engraved medal, and is presented at the sponsor's annual meeting.

**Deadline(s): 01/06/2009**

Link to full program description:  
[http://australia.infoed.org/spin/spin\\_prog.asp?71475](http://australia.infoed.org/spin/spin_prog.asp?71475)

## **Radcliffe Institute for Advanced Study**

Program Number: 79732  
Title: Radcliffe Institute for Advanced Study Group Fellowship Program  
E-mail: [fellowships@radcliffe.edu](mailto:fellowships@radcliffe.edu)  
Web Site: <http://www.radcliffe.edu>  
Program URL:

<http://www.radcliffe.edu/fellowships/apply.aspx>

The sponsor supports fellowships from small groups of scholars (two to five) who have research interests or projects in common and wish to spend a year as fellows together pursuing those aims.

**Deadline(s): 01/05/2009**

DEADLINE NOTE

Applicants must first submit a Letter of Intent.

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Letters of Intent must be postmarked by May 1, 2009.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?79732](http://australia.infoed.org/spin/spin_prog.asp?79732)