

# Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 34 Number 8

29 February - 6 March 2008

## SCHOOL SEMINAR PROGRAM

**Thursday 6 March 2008**

4.00pm

“Ultrafast photonic ‘hammer’: A new strategy to synthesise materials with exotic properties”

by Dr Andrei Rode, Laser Physics Centre  
Huxley Lecture Theatre

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

**ALL WELCOME**

## SCHOOL SEMINARS

**Department of Electronic Materials**

**Engineering Seminar**

**Monday 3 March 2008**

11.00am

“Layered structures with sputtered metal-oxides  
for device applications”

by Professor Kondepudy Sreenivas, Department of  
Physics and Astrophysics, University of Delhi,  
India

Seminar Room, Link Building, RSPHysSE

**All Welcome**

**Nonlinear Physics Center Seminar**

**Wednesday 5 March 2008**

2.00pm

“All optical-soliton control in photonic lattices”

by Dr Zhiyong Xu

Link Building Seminar Room

**Theoretical Physics Seminar**

**Friday 7 March 2008**

2:00pm

“Aperiodicity & Order”

Dr Uwe Grimm from the Open University, Milton  
Keynes

Theoretical Physics Seminar Room

**All Welcome**

## COURSE ON "FIBRE OPTIC COMMUNICATIONS SYSTEMS"

(PHYS3060) commenced **25 February** with lectures at **12.00 Mondays, 11.00 Wednesdays & 10.00 Thursdays in PSYC G8** next to the Department of Physics. Anyone is welcome to sit in all or part of this course that runs all semester and includes laboratory experiments. Further details from John Love (John.D.Love@anu.edu.au or extension 54691).

## CONGRATULATIONS

The Inaugural CUDOS Outreach Prize for outreach in 2007 has been awarded to Christian Rosberg, Amrita Prasad and Robert Fischer, members of the OSA Student Chapter at ANU, for their work on the ‘Optics in the Outback’ program.

## VISITORS

The Department of Theoretical Physics is pleased to welcome Dr Uwe Grimm from The Open University, Milton Keynes from the 6-7 March and Associate Professor Atsuo Kuniba from the University of Tokyo from 7-10 March.

## LAUNCH OF A BOOK "BRIEF CANDLES"

On February 20, Professor Jim Williams launched the publication by Ginninderra Press of a book of short stories by Professor Neville Fletcher titled “Brief Candles”. Copies can be obtained from Smith’s Alternative Bookshop at 76 Alinga Street or by post from Ginninderra Press. To save travel and postage costs copies will be available at the published price of \$20 if you leave your name with Susie. An inspection copy (not for borrowing!) can be seen at reception.

## GRANTS & AWARDS

**United Nations University/Institute of  
Advanced Studies**

Program Number: 76277

Title: Ph.D. Fellowships

E-mail: [fellowships@ias.unu.edu](mailto:fellowships@ias.unu.edu)

Program URL:

[http://www.ias.unu.edu/sub\\_page.aspx?catID=119&ddlID=151](http://www.ias.unu.edu/sub_page.aspx?catID=119&ddlID=151)

One of the objectives of the sponsor is to provide young scientists with an opportunity to expand their intellectual vision beyond the single scientific field that they may be engaged in. The sponsor offers an excellent environment for young scholars to work on their research in an international environment and among a complementary group of fellow scholars. In addition to the UNU/IAS in house research facilities such as globally linked computer and information systems, the Visiting and Adjunct Professor faculty of UNU/IAS provides substantial opportunities for individual and group discussion and debate on multidisciplinary approaches to research problems and findings. The Ph.D. Fellowship programme targets Ph.D. candidates from educational institutions around the world who can benefit from a period of stay of up to ten months at UNU/IAS. With a view to strengthening capacity building in developing countries, students from developing countries particularly from developing country institutions are especially encouraged to apply. In this respect, UNU/IAS Fellowship Awards offer financial and material support necessary for the successful completion of doctoral research that is closely related to UNU/IASs own Research Programmes. The students participate in regular in house discussions and seminars and contribute to the UNU/IAS Working Paper Series.

**Deadline(s): 25/04/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?76277](http://australia.infoed.org/spin/spin_prog.asp?76277)

#### **American Vacuum Society**

Program Number: 18586

Title: Medard W. Welch Award

E-mail: [angela@avs.org](mailto:angela@avs.org)

Web Site: <http://www.avs.org/inside.awards.aspx>

Program URL:

<http://www.avs.org/popup.aspx?FileName=medard>

The sponsor provides an award to recognize and encourage outstanding research in the fields of interest to the sponsor.

**Deadline(s): 31/03/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?18586](http://australia.infoed.org/spin/spin_prog.asp?18586)

#### **American Vacuum Society**

Program Number: 18587

Title: Gaede-Langmuir Award

E-mail: [angela@avs.org](mailto:angela@avs.org)

Web Site: <http://www.avs.org/inside.awards.aspx>

Program URL:

<http://www.avs.org/popup.aspx?FileName=Langmuir>

The sponsor provides an award to recognize and encourage outstanding discoveries and inventions in the sciences and technologies of interest to the sponsor.

**Deadline(s): 31/03/2008**

DEADLINE NOTE

This award is given biennially.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?18587](http://australia.infoed.org/spin/spin_prog.asp?18587)

#### **American Vacuum Society**

Program Number: 18588

Title: Albert Nerken Award

E-mail: [angela@avs.org](mailto:angela@avs.org)

Web Site: <http://www.avs.org/inside.awards.aspx>

Program URL:

<http://www.avs.org/popup.aspx?FileName=Nerken>

The sponsor will provide an award to recognize outstanding contributions to the solution of technological problems in areas of interest to the sponsor.

**Deadline(s): 31/03/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?18588](http://australia.infoed.org/spin/spin_prog.asp?18588)

#### **American Vacuum Society**

Program Number: 18591

Title: Peter Mark Memorial Award

E-mail: [angela@avs.org](mailto:angela@avs.org)

Web Site: <http://www.avs.org/inside.awards.aspx>

Program URL:

<http://www.avs.org/popup.aspx?FileName=mark>

The sponsor will provide an award to recognize outstanding theoretical or experimental work by a young scientist or engineer. The nominee's thirty-sixth birthday may not proceed January 1 of the year in which the award is made.

**Deadline(s): 31/03/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?18591](http://australia.infoed.org/spin/spin_prog.asp?18591)

#### **American Vacuum Society**

Program Number: 30444

Title: George T. Hanyo Award

E-mail: [angela@avs.org](mailto:angela@avs.org)

Web Site: <http://www.avs.org/inside.awards.aspx>

Program URL:

<http://www.avs.org/popup.aspx?FileName=hanyo>

The sponsor provides an award to recognize outstanding performance in technical support of

research or development in areas of interest to the sponsor.

**Deadline(s): 31/03/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?30444](http://australia.infoed.org/spin/spin_prog.asp?30444)

### **Mineralogical Society of America**

Program Number: 72823

Title: Roebling Medal

E-mail: [satr@cam.ac.uk](mailto:satr@cam.ac.uk)

Program URL:

<http://www.minsocam.org/MSA/Awards/Roebling.html>

The sponsor seeks to recognize scientific eminence as represented primarily by scientific publication of outstanding original research in mineralogy. The recipient of the Roebling medal receives an engraved medal and is made a Life Fellow of the Society.

**Deadline(s): 01/06/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?72823](http://australia.infoed.org/spin/spin_prog.asp?72823)