

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 22
15 – 21 June 2007

SCHOOL SEMINARS

ARCNN and IEEE Joint Seminar Tuesday 19 June 2007

11.00am

“Applications of Optical Resonance to Biological Sensing and Imaging”

by Distinguished Lecturer Professor Selim Unlu

From Boston University, Department of Electrical and Computer Engineering, Department of Physics, Photonics Center and Center for Nanoscience and Nanobiotechnology, Boston, USA

Leonard Huxley Lecture Theatre

Refreshments will be provided in the RSPSE Tea Room before the Seminar

ALL WELCOME

For further information see

<http://www.ausnano.net/index.php?page=events>

Seminar Coordinator: Ms Ilonka Krolikowska

arcnn@ausnano.net

Short Courses

On Wednesday 20 and Thursday 21 June, Professor Selim Unlu will be conducting short courses in the RSPSE Seminar Room (9.00am-12:30pm):

Wednesday: Photodetectors: Fundamentals, Bandwidth and Noise Considerations

Thursday: High-resolution optical microscopy: Solid Immersion Lens and Subsurface Imaging using Numerical Aperture Increasing Lens

For further information contact Ms Ilonka

Krolikowska arcnn@ausnano.net

The Nonlinear Physics Centre

Mid-Term Review

Wednesday 20 June 2007

2.00pm

“Control of Light in Low-Index Photonic Crystals”

by Aaron Matthews, Nonlinear Physics Centre

Link Building Seminar Room

SCHOOL MEETING 22 JUNE 2007

The first School Meeting for this year will be held in the Huxley Theatre at **11am, Friday 22 June**. All staff (academic and general) and students are encouraged to attend. The Director will give a School update and there will be time for questions. The staff and student representatives on the School Forum will also be announced.

There will be morning tea at 10.30am in the Link Building.

STAFF MOVEMENTS

Professor John Love, Optical Sciences Group, will be overseas from 15 June - 7 July. He is giving seminars at the University of Victoria in Canada and the Universities of Southampton and Nottingham in the UK. He is also presenting a George Green lecture at the George Green Institute in Nottingham and an invited talk at the International Conference on Materials for Advanced Technologies in Singapore, 1-6 July.

Dr Ken Baldwin, Deputy Director and Senior Fellow, Atomic and Molecular Physics Laboratories will be absent from Wednesday 13 June - Monday 2 July. He will be overseas visiting the Raman Research Institute, attending the Optical Society of America Board Meeting at the International Quantum Electronics Conference in Munich and the 18th International Conference on Laser Spectroscopy in Telluride, Colorado.

VISITORS

Atomic and Molecular Physics Laboratories would like to welcome visiting student RYAN WEED from New York who will be with us for the next four weeks. He is visiting the Centre for Antimatter-Matter Studies to undertake a short research project with James Sullivan and will be located in Room C3.01.

SCHOOL WEBSITE

Please note there are now two organisation charts posted on the school website: the updated School Admin structure and a new Research Departments structure which shows the School's departments, centres and networks.

See www.rsphysse.anu.edu.au/admin/php/admin.php

GRANTS & AWARDS

Directorate for Education and Human Resources/NSF

Program Number: 64657

Title: National Science, Technology, Engineering, and Mathematics Education Digital Library (EHR-DUE)

E-mail: lzia@nsf.gov

Program URL:

<http://www.nsf.gov/pubs/2007/nsf07538/nsf07538.htm>

Building on work supported under the multi-agency Digital Libraries Initiative, this program aims to establish a national digital library that will constitute an online network of learning environments and resources for science, technology, engineering, and mathematics (STEM) education at all levels. Awards are made up to \$2.25 million. <S2S>

Deadline(s): 14/03/2007

11/04/2007

DEADLINE NOTE

The March 14, 2007 deadline refers to optional letters of intent, while the April 11, 2007 deadline refers to full proposals.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64657

Directorate for Geosciences/NSF

Program Number: 89373

Title: Critical Zone Observatories (CZO)

E-mail: mellis@nsf.gov

Program URL:

<http://www.nsf.gov/pubs/2006/nsf06588/nsf06588.htm>

The sponsor has issued a call for proposals to develop Critical Zone Observatories that will operate at the watershed scale and that will significantly advance our understanding of the integration and coupling of Earth surface processes as mediated by the presence and flux of fresh water. Successful proposals will be motivated and implemented by both field and theoretical approaches, each providing the impetus for advances in the other, and they will include substantial and novel plans for education, outreach

and broader impacts. <S2S>

Deadline(s): 02/10/2006

02/02/2007

DEADLINE NOTE

Letters of Intent are due October 2, 2006.

Full proposals are due February 2, 2007.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?89373

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?93321