

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 32
24 – 30 August 2007

FROM THE DIRECTOR'S OFFICE

Congratulations

Last Friday at the Annual Meeting of the Australian Optical Society, it was announced that Dr Ken Baldwin has been awarded the W.H. "Beattie Steel" Medal for 2007, the highest award of the AOS, for "scientific contributions to atom optics and laser spectroscopy, and for enhancing Australian optics nationally and internationally through professional scientific leadership". The medal will be presented at the International Commission for Optics (ICO) Congress in Sydney in July 2008.

Retirement Morning Tea

You are invited to a Morning Tea on Wednesday 29 August at 10.15am in the Oliphant Tea Room to farewell Tom Halstead, EME, who retired recently after more than 30 years service.

SCHOOL SEMINARS

School Seminar Program

Thursday 6 September 2007

4.00pm

"Bose-Einstein condensates in periodic potentials"
by Dr Elena Ostrovskaya, Non-Linear Physics Centre, RSPHYSSE

HUXLEY LECTURE THEATRE

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

ALL WELCOME

COSNet SEMINAR / MSI SPECIAL COLLOQUIUM

Friday 24 August 2007

2:00pm

"Coordinate Transforms Underpin Multiscale Modelling and Reduction in Deterministic and Stochastic Systems"

by Professor Tony Roberts

Department of Mathematics & computing
University of Southern Queensland

Manning Clark Lecture Theatre 5

All Welcome

Afternoon tea will be provided at the MSI Common Room after the Seminar

LAUNCH OF ITER FORUM

On Wednesday 15 August, staff from the Research School (Drs Matthew Hole and Boyd Blackwell) were involved in a public launch of the Australian ITER Forum's strategic plan for fusion science and engineering. The plan, which was launched in Parliament House by Dr George Collins, Chief of Research of ANSTO, outlines a pathway to develop a sustainable future in the wider research field of plasma physics, materials science and fusion. The plan recommends creation of an Australian fusion initiative, which would fund competitively allocated, strategically-aligned fellowships, an ITER flagship diagnostic, infrastructure enhancements, operation, collaboration and exchange, and a small management component. Combined, the package totals \$27million over five years, rising to \$63million over 10 years.

LABOUR PARTY ENERGY BRIEFING

On Thursday 16 August, a briefing on Emerging Energy Sources was presented by the ANU to the Australian Labour Party in Parliament House. The briefing outlined the comprehensive range of research into Emerging Energy Sources being undertaken at ANU, along with research into the economic and policy issues involved in their implementation. The science behind the Emerging Energy Sources was presented by the Deputy Director, Dr Ken Baldwin, and a panel of experts that included nuclear science (Professors George Dracoulis and Aidan Byrne), fusion energy (Drs Boyd Blackwell and Matthew Hole) and fuel cells (Dr Christine Charles) participated in a discussion session with seven senators and members of the house of representatives, and around a dozen senior staffers from other Parliamentary offices.

STAFF MOVEMENTS

Professor Yuri Kivshar will be away until 21 September. First, he will give a plenary talk at LPHYS'07 International Conference in Leon (Mexico); and visit Universidad Nacional Autonoma de Mexico in Mexico City, where he will give a seminar and discuss ongoing collaborative work. Then, Professor Kivshar will move to Europe where he will act as an external PhD opponent in the Linköping University (Sweden) and give a colloquium in the Department of Science and Technology. Then he will give two lectures at the International School and Conference on Optics and Optical Materials ISCOM'07 (Belgrade, Serbia). After that, Professor Kivshar will visit the Institute of Physics in Bratislava (Slovakia) also presenting a seminar, and then give an invited talk and chair a session at the International Conference on Correlation Optics (Chernivtsi, Ukraine). He will also visit 4 other Institutes and Universities in Eastern Europe where he will also give talks.

VISITORS

PRL has a visiting Technical Officer, Denis Keil, from Bad Kleinen in Germany working on a project with Horst Punzmann on the H-1 Control System. He will be with us in the school until the end of October.

NEW STAFF

The Department of Nuclear Physics is pleased to welcome Dr Sanjay Chamoli who commenced his Postdoctoral Fellowship with us on 16 August. Dr Chamoli will be working under the guidance of Dr Andrew Stuchbery on the ARC Discovery Project "Magnetic moments of radioactive beams". Dr Chamoli can be contacted on extension 52424.

The Nonlinear Physics Centre would like to welcome a new member of staff, Dr Vladimir Denisenko from the Institute of Physics of the National Academy of Science of Ukraine. He will be working with A Minovich, Dr Desyatnikov, Professor Krolikowski, and Professor Yuri Kivshar on experimental generation and characterization of polarization singularities.

GRANTS & AWARDS

American Society for Mass Spectrometry

Program Number: 68751

Title: Biemann Medal

E-mail: brent@asms.org

Program URL:

<http://www.asms.org/Default.aspx?tabid=91>

The sponsor awards a medal and a cash prize in recognition of an individual's significant achievement in basic or applied mass spectrometry made early in his or her career.

Deadline(s): 30/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?68751

American Society for Mass Spectrometry

Program Number: 76940

Title: Award for a Distinguished Contribution in Mass Spectrometry

E-mail: office@asms.org

Program URL:

<http://www.asms.org/Default.aspx?tabid=91>

The sponsor supports an award to recognize a focused, singular achievement in or contribution to fundamental or applied mass spectrometry.

Deadline(s): 30/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?76940

DuPont Australia & New Zealand

Program Number: 94130

Title: Innovation Awards

E-mail: innovation@aus.dupont.com

Program URL:

http://www2.dupont.com/Our_Company/en_AU/innovation_awards/index.html

The Awards recognise innovation and advances in industry, science, the environment and agriculture. The Awards recognise a single business, collaboration or tertiary student from Australia or New Zealand, that has developed an innovative product, technology or service from any industry, first ordered and/or adopted for commercial use in Australia or New Zealand between January 1, 2004 and November 2, 2007.

Deadline(s): 02/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?94130

Zonta International

Program Number: 03792

Title: Amelia Earhart Fellowship Award

E-mail: zontaintl@zonta.org

Web Site:

http://www.zonta.org/site/PageServer?pagename=zi_issues_programs_amelia_earhart_application

Program URL:

http://www.zonta.org/site/DocServer/Application_2008-

10.000.doc?docID=16089

Support is provided to women students for graduate study in aerospace-related sciences and aerospace-related engineering. Eligible applicants are women of any nationality pursuing a Ph.D./doctoral degree. The award is \$10,000.

Deadline(s): 15/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?03792

Biophysical Society

Program Number: 69808

Title: Student Research Achievement Award

E-mail: ybatters@biophysics.org

Web Site:

<http://www.biophysics.org/opportunities/travel.htm#sraa>

Program URL:

<http://www.biophysics.org/meetings/2008/sraa.pdf>

The sponsor offers monetary awards to the graduate student making the best poster presentation entered in the competition at the Annual Meeting.

Deadline(s): 01/10/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?69808