

Weekly Bulletin

Research School of Physics and Engineering



Volume 35 Number 45

27 November – 3 December 2009

FROM THE DIRECTOR'S OFFICE

The Director will be away from the University from Monday 30 November – Friday 4 December inclusive, attending the MRS Fall Meeting in Boston. Professor Rob Elliman will be acting director during his absence.

SCHOOL SEMINARS

Theoretical Physics Seminar

Friday 27 November 2009

2.00pm

“Introduction to W-extended logarithmic minimal models”

by Dr Jurgen Rasmussen, University of Melbourne
Room L3.17 Le Couteur Building

ALL WELCOME

Nonlinear Physics Centre Seminar

Friday 4 December 2009

11.00am

“Ultra-long fibre lasers”

by Professor Sergei K. Turitsyn
Photonics Research Group, Aston University, UK
Link Building Seminar Room, Oliphant Building
All welcome

Nonlinear Physics Centre Seminar

Friday 4 December 2009

2.00pm

“Inhibition of light tunneling in longitudinally modulated waveguide arrays”

by Dr Yaroslav Kartashov, ICFO - The Institute of Photonic Sciences Barcelona, Spain.

Link Building Seminar Room, Oliphant Building
All welcome

Le Couteur Building

Nuclear Physics Seminar

Monday 7 December 2009

11.15 am

“Shifting Shells - Effect of neutron excess on the most basic nuclear structure”

by Professor S. L. Tabor, Florida State University

Nuclear Physics Seminar Room

All Welcome

RESEARCH HIGHLIGHTS

Optical Society of America:

<http://www.opticsinfobase.org/spotlight/summary.cfm?uri=o-17-24-21497>

and American Physical Society:

<http://physics.aps.org/viewpoint-for/10.1103/PhysRevA.80.043818>

DISSIPATIVE SOLITONS - 2009

Professor Nail Akhmediev together with Professor Helmut Brand from Bayreuth, Germany and Professor Orazio Descalzi from Santiago, Chile are organising the International Workshop “Dissipative Solitons – 2009” in Adelaide from 29 November – 3 December.

The workshop will take place at the University of Adelaide in association with two conferences on optics: ACOFT and ACOLS:

<http://www.plevin.com.au/acoftacols2009/>

Leading experts from around the world will give presentations at the workshop on the latest aspects of dissipative soliton theory and applications. This is the fifth workshop in the series of meetings that started in 2003. Previous events organised by Nail Akhmediev took place in Athens - Georgia, Dresden - Germany, and Beijing - China.

STAFF MOVEMENTS

Dr Steve Tims, Dr Toshiyuki Fujioka and PhD Student Rajeev Lal, Department of Nuclear Physics, are attending the 16th AINSE Conference on Nuclear and Complementary Techniques of Analysis being held at Lucas Heights, Sydney 25 – 27 November. Dr Tims will be presenting a talk “A time-of-flight system with a 6m flight path for Uranium-236 AMS”.

Professor Keith Fifield, Department of Nuclear Physics, will be visiting the University of Aix-Marseilles in France from 2 – 11 December for Thesis defense meetings, discussions with French researchers, and to give a seminar.

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Nuclear Physics Summer Scholars

The Department of Nuclear Physics is pleased to welcome Summer Scholars, Daniel Higginbottom, David Kedziora and Byron Vickers to the School. They will be working with Dr Tibor Kibedi and Professor David Hinde.

NLPC – Departmental Visitor

Dr Nicolas Marsal, a departmental visitor from University of Metz and Supélec, France is arriving today for a four week visit with NLPC.

He will have a desk in L2.03

Telephone – 53792

Email – marsal.t.nicolas@wanadoo.fr

Please help me welcome him to NLPC.

GRANTS & AWARDS

National Research Council

Program Number: 01613

Title: Research Associateship Programs--Federal Highway Administration/Turner-Fairbank Highway Research Center

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fmtr&progctr=27&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. Awards of up to one year are available. An annual stipend is awarded.

Deadline(s): 01/02/2010

01/05/2010

01/08/2010

01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01613

National Research Council

Program Number: 01639

Title: Research Associateship Programs--Naval Medical Research Center/Naval Health Research

Center

E-mail: jnyquist@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fmtr&progctr=56&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. A cash stipend is awarded.

Deadline(s): 01/02/2010

01/05/2010

01/08/2010

01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01639

National Research Council

Program Number: 58542

Title: Research Associateship Programs--Air Force Research Laboratory

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fmtr&progctr=13&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. An annual stipend is awarded.

Deadline(s): 01/02/2010

01/05/2010

01/08/2010

01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58542

National Research Council

Program Number: 58545

Title: Research Associateship Programs--National Oceanic and Atmospheric Administration

E-mail: jnyquist@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?>

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[mode=fntmtr&progctr=26&seq=20](#)

The sponsor provides support to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree. An annual stipend is awarded.

Deadline(s): 01/02/2010
01/05/2010
01/08/2010
01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58545

National Research Council

Program Number: 58572

Title: Research Associateship Programs--Naval Postgraduate School

E-mail: rgamble@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fntmtr&progctr=62&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers at participating laboratories. Awardees must hold the PhD, ScD, MD or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. An annual stipend is awarded.

Deadline(s): 01/02/2010
01/05/2010
01/08/2010
01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58572

National Research Council

Program Number: 58592

Title: Research Associateship Programs--Army Aviation and Missile Research, Development, and Engineering Center (AMRDEC)

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fntmtr&progctr=79&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and

experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. An annual stipend is awarded.

Deadline(s): 01/02/2010
01/05/2010
01/08/2010
01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58592

National Research Council

Program Number: 58605

Title: Research Associateship Programs--U.S. Army Research Office

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fntmtr&progctr=14&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. An annual stipend is awarded.

Deadline(s): 01/02/2010
01/05/2010
01/08/2010
01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58605

National Research Council

Program Number: 58607

Title: Research Associateship Programs--Environmental Protection Agency

E-mail: jnyquist@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fntmtr&fntmtrid=58>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD.

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An annual stipend is awarded.

Deadline(s): 01/02/2010

01/05/2010

01/08/2010

01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58607

Society for Industrial and Applied Mathematics

Program Number: 67397

Title: SIAM Student Paper Prize

E-mail: littleton@siam.org

Web Site:

http://www.siam.org/prizes/sponsored/student_paper.php

Program URL:

http://www.siam.org/prizes/nominations/nom_student.php

The sponsor provides a \$1,000 award to a student in good standing for a paper on an applied mathematics or scientific computing topic.

Deadline(s): 15/03/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?67397

National Research Council

Program Number: 70352

Title: Research Associateship Programs--
FAA/Civil Aerospace Medical Institute

E-mail: rgamble@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=frntmtr&progctr=31&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in U.S. academic circles as equivalent to the PhD. Awards of up to one year are available. An annual stipend is awarded.

Deadline(s): 01/02/2010

01/05/2010

01/08/2010

01/11/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?70352

National Research Council

Program Number: 81767

Title: Research Associateship Programs--Institute
for Water Resources

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=frntmtr&progctr=35&seq=20>

The National Research Council, through its Associateship Programs office, conducts a national competition to recommend and make awards to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers at participating laboratories.

Deadline(s): 01/02/2010

01/05/2010

01/08/2010

01/11/2010

Link to full program

CERN

Program Number: 03584

Title: Scientific Associateships

E-mail: Recruitment.Service@cern.ch

Web Site:

https://ert.cern.ch/browse_www/wd_pds?p_web_site_id=1&p_web_page_id=7552&p_no_apply=&p_show=N

Program URL:

https://ert.cern.ch/browse_www/wd_map?p_web_site_id=1&p_format=full&p_class_type=Programme&p_class_v

The programme is open to established scientists, both of Member and Non-Member States, wishing to work at CERN subject to the availability of facilities and accommodation. The duration of sponsor support is normally at most for one year. Programmes covered at CERN include experimental and theoretical particle physics, as well as various activities in applied physics, electronics, computing and engineering.

Deadline(s): 15/03/2010

16/09/2010

DEADLINE NOTE

15 March 2010 is the application deadline for the Selection Committee of 20 May 2010. 16 September 2010 is the application deadline for the Selection Committee of 16 November 2010.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?03584

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Anglo-Australian Observatory

Program Number: 88657

Title: Student Fellowship Program

E-mail: ahopkins@ao.gov.au

Program URL:

<http://www.ao.gov.au/AAO/students/aaosf.html>

SYNOPSIS:

The sponsor provides fellowships for UK and Australian students to study at the Anglo-Australian Observatory.

Deadline(s): 15/02/2010

DEADLINE NOTE

The deadline for UK Students is February 15.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?88657

Astronomical Society of Australia

Program Number: 88723

Title: Bok Prize

E-mail: thill@museum.vic.gov.au

Program URL: <http://asa.astronomy.org.au/bok.html>

The sponsor offers an award to recognise outstanding research in astronomy by an Honours student at an Australian university.

Deadline(s): 01/02/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?88723

Astronomical Society of Australia

Program Number: 98913

Title: Charlene Heisler Prize

E-mail: thill@museum.vic.gov.au

Program URL: <http://asa.astronomy.org.au/chp.html>

The sponsor awards an annual prize for the most outstanding PhD thesis in astronomy or a closely related field, accepted by an Australian university.

The thesis research must show outstanding excellence and originality.

Deadline(s): 02/03/2010