

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 34 Number 11
21 - 27 March 2008

FROM THE DIRECTOR'S OFFICE

The Director will be away from the University from 20 - 28 March inclusive. He is attending the MRS 2008 Spring Meeting in San Francisco. Professor Ken Baldwin will be Acting Director during this time.

SCHOOL SEMINAR PROGRAM

Thursday 3 April 2008

4.00pm

by Professor Rod Boswell

Plasma Research Laboratories

"Plasma trekking across the universe. In the Starship SP3, hoping systems work!"

HUXLEY LECTURE THEATRE

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

GRANTS & AWARDS

Australasian Institute of Mining and Metallurgy

Program Number: 88717

Title: Ivan Newnham Thesis Prize

Program URL:

<http://www.ausimm.com.au/Content/default.aspx?ID=156>

The sponsor provides an award of \$1,000 for the best final-year Honours thesis completed in **Victoria in either geology, mining engineering or extractive metallurgy.**

Deadline(s): 30/06/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?88717

Australasian Institute of Mining and Metallurgy

Program Number: 88719

Title: Charles Marshall Thesis Prize

Program URL:

<http://www.ausimm.com.au/Content/default.aspx?ID=156>

The sponsor provides a \$1,000 award for the best final-year Honours thesis completed in NSW in

either geology, mining engineering or extractive metallurgy.

Deadline(s): 30/06/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?88719

Australasian Institute of Mining and Metallurgy

Program Number: 88720

Title: Ian Morley Thesis Prize

E-mail: education@ausimm.com.au

Program URL:

<http://www.ausimm.com.au/Content/default.aspx?ID=156>

The sponsor provides awards to honor the best final-year Honours Thesis completed in Queensland in geology, mining engineering or extractive metallurgy.

Deadline(s): 30/06/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?88720

National Aeronautics & Space Administration

Program Number: 92235

Title: ROSES 2008: Fellowships for Early Career Researchers

E-mail: Curt.Niebur@nasa.gov

Web Site:

<http://www07.grants.gov/search/search.do?oppId=40912&flag2006=false&mode=VIEW> Program URL:

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={E529A93E-C05F-7B1E-6>

This Fellowship program is an add-on to one of the following planetary science research programs: Cosmochemistry (SPIN Program #: 91954); Planetary Geology and Geophysics (SPIN Program #: 91963); Planetary Astronomy (SPIN Program #: 8314); Planetary Atmospheres (SPIN Program #: 88367); Outer Planets Research (SPIN Program #: 92232); Lunar Advanced Science and Exploration Research (SPIN Program #: 93961); Planetary Mission Data Analysis (SPIN Program #: 96245); Mars Data Analysis (SPIN Program #: 88413); Mars Fundamental Research (SPIN Program #: 92233); Astrobiology: Exobiology and

Evolutionary Biology (SPIN Program #: 92234). All Fellows are originally selected and funded through a parent proposal to, and subsequent award from, one of these program elements.

Deadline(s):

DEADLINE NOTE

To be considered for the Fellowship, eligible scientists must submit a standard research proposal (referred to as the parent proposal) to one of the following participating programs: Cosmochemistry (SPIN Program #: 91954); Planetary Geology and Geophysics (SPIN Program #: 91963); Planetary Astronomy (SPIN Program #: 8314); Planetary Atmospheres (SPIN Program #: 88367); Outer Planets Research (SPIN Program #: 92232); Lunar Advanced Science and Exploration Research (SPIN Program #: 93961); Planetary Mission Data Analysis (SPIN Program #: 96245); Mars Data Analysis (SPIN Program #: 88413); Mars Fundamental Research (SPIN Program #: 92233); Astrobiology: Exobiology and Evolutionary Biology (SPIN Program #: 92234). Proposals for start-up funds from Fellows selected in prior years are due twice annually: May 31, 2008, and October 31, 2008.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?92235

American Physical Society

Program Number: 01466

Title: Julius Edgar Lilienfeld Prize

E-mail: beise@umd.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/lilienfeld.cfm>

A prize of \$10,000 is offered for the most outstanding contribution to physics by an individual who also has exceptional skills in lecturing to diverse audiences.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01466

American Physical Society

Program Number: 01470

Title: Polymer Physics Prize

E-mail: mr@unc.edu

Program URL:

<http://www.aps.org/programs/honors/prizes/polymer.cfm>

A prize of \$10,000 recognizes outstanding accomplishment and excellence of contributions in polymer physics research.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01470

American Physical Society

Program Number: 01474

Title: Davisson-Germer Prize in Atomic or Surface Physics

E-mail: jin@jilaul.colorado.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/davisson-germer.cfm>

A prize of \$5,000 and a certificate is awarded to recognize and encourage outstanding work in atomic physics or surface physics.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01474

American Physical Society

Program Number: 01475

Title: Oliver E. Buckley Condensed Matter Prize

E-mail: gsb@magnet.fsu.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/buckely.cfm>

A prize of \$10,000 recognizes outstanding theoretical or experimental contributions to condensed matter physics. Each prize shall be awarded for a most important contribution to the advancement of knowledge in condensed matter physics.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01475

American Physical Society

Program Number: 01478

Title: Tom W. Bonner Prize in Nuclear Physics

E-mail: matthews@mit.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/bonner.cfm>

A prize of \$7,500 recognizes outstanding experimental research in nuclear physics, including the development of a method, technique, or device that significantly contributes in a general way to nuclear physics research. Nominations are open to physicists whose work in nuclear physics is primarily experimental or a particularly outstanding piece of theoretical work.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01478

<http://www.aps.org/programs/honors/awards/adler.cfm>

American Physical Society

Program Number: 01682

Title: Earle K. Plyler Prize for Molecular Spectroscopy

E-mail: baer@unc.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/plyler.cfm>

A prize of \$10,000 recognizes notable contributions to the field of molecular spectroscopy.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01682

American Physical Society

Program Number: 01688

Title: Arthur L. Schawlow Prize in Laser Science

E-mail: lyyra@temple.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/schawlow.cfm>

A prize of \$10,000 recognizes outstanding contributions to basic research that uses lasers to advance knowledge of the fundamental physical properties of materials and their interaction with light.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01688

American Physical Society

Program Number: 01690

Title: Robert R. Wilson Prize

E-mail: sagourlay@lbl.gov

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/wilson.cfm>

A prize of \$7,500 recognizes achievement in the physics of particle accelerators. Prizes are normally awarded for contributions made at an early stage of the recipients' careers.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01690

American Physical Society

Program Number: 01696

Title: David Adler Lectureship Award

E-mail: zfisk@uci.edu

Web Site: <http://www.aps.org>

Program URL:

A lectureship award of a \$5,000 honorarium is given to a contributor to the field of materials physics, who is noted for the quality of his or her research, review articles and lecturing.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01696

American Physical Society

Program Number: 03206

Title: I.I. Rabi Prize in Atomic, Molecular and Optical Physics

E-mail: peter.koch@sunysb.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/rabi.cfm>

A \$7,500 prize is offered to investigators for outstanding research in atomic, molecular, and optical physics.

Deadline(s): 01/07/2008

DEADLINE NOTE

The award is given biennially in odd-numbered years.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?03206

American Physical Society

Program Number: 03207

Title: Shock Compression Science Award

E-mail: ravelo@psci.utep.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/shock.cfm>

A \$5,000 award is presented to a member of the scientific community to recognize contributions to understanding condensed matter and non-linear physics through shock compression.

Deadline(s): 01/07/2008

DEADLINE NOTE

The award is presented biennially in odd-numbered years.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?03207

American Physical Society

Program Number: 03208

Title: John Wheatley Award

E-mail: draayer@lsu.edu

Program URL:

<http://www.aps.org/praw/wheatley/index.html>

A \$2,000 award is offered to recognize the dedication of physicists who have made contributions to the development of physics in third world countries.

Deadline(s): 01/07/2008

DEADLINE NOTE

The award is presented biennially in odd-numbered years.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?03208

American Physical Society

Program Number: 05368

Title: George E. Pake Prize

E-mail: sglotzer@umich.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/pake.cfm>

A prize of \$5,000 recognizes work by a physicist combining original research accomplishments with leadership in the management of research or development in industry. The sponsor also provides a certificate and an allowance for travel to the meeting at which the award is given.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?05368

American Physical Society

Program Number: 08743

Title: Aneesur Rahman Prize for Computational Physics

E-mail: gceder@mit.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/rahman.cfm>

A prize of \$5,000 recognizes and encourages outstanding achievement in computational physics research.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?08743

American Physical Society

Program Number: 27670

Title: Lars Onsager Prize

E-mail: goldbart@uiuc.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/onsager.cfm>

The sponsor awards a \$15,000 prize annually to recognize outstanding research in theoretical

statistical physics including the quantum fluids. The prize is open to researchers in statistical physics covering a wide range of physical phenomena, as long as the nominee is active at the time of the award.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?27670

American Physical Society

Program Number: 27682

Title: Edward A. Bouchet Award

E-mail: johnson@cepast.famu.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/bouchet.cfm>

A \$3,500 award is presented annually to any Black, Hispanic or Native American who has made significant contributions to physics research. The recipient will also deliver at least three lectures about his/her specialty at academic institutions where the impact of the visit on minority students would be significant.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?27682

American Physical Society

Program Number: 30184

Title: Hans A. Bethe Prize

E-mail: rod@mpe.mpg.de

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/bethe.cfm>

A prize of \$7,500 is to be awarded annually for outstanding work in theory, experiment or observation in the areas of astrophysics, nuclear physics, nuclear astrophysics, or closely related fields. Scientists world-wide are eligible.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?30184

American Physical Society

Program Number: 30185

Title: Joseph F. Keithley Award for Advances in Measurement Science

E-mail: jrmatey@comcast.net

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/keithley.cfm>

A prize of \$5,000 is to be awarded annually to recognize physicists who have been instrumental

in the development of measurement techniques or equipment that have impact on the physics community by providing better measurements.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?30185

American Physical Society

Program Number: 37152

Title: Joseph A. Burton Forum Award

E-mail: valerie.thomas@isye.gatech.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/burton.cfm>

A prize of \$3,000 is offered for outstanding contributions to the public understanding or resolution of issues involving the interface of physics and society. An allowance is provided for travel to the meeting of the Society at which the award is presented.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?37152

American Physical Society

Program Number: 64268

Title: James C. McGroddy Prize for New Materials

E-mail: millis@phys.columbia.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/mcgroddy.cfm>

The sponsor provides support for a \$7,500 prize to recognize and encourage outstanding achievement in the science and application of new materials. Eligible nominees are scientists of all nationalities irrespective of where their work has been carried out. A certificate and travel expenses to the meeting where the prize is bestowed are also awarded.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64268

American Physical Society

Program Number: 64290

Title: George E. Valley, Jr. Prize

E-mail: johnston@aps.org

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/valley.cfm>

The sponsor provides support for an award to recognize an individual, in the early stages of his or her career, for an outstanding scientific

contribution to the knowledge of physics.

Deadline(s): 01/07/2008

DEADLINE NOTE

The prize is presented biennially.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64290

American Physical Society

Program Number: 64291

Title: Frances M. Pipkin Award

E-mail: pmajumder@williams.edu

Web Site: <http://www.aps.org/>

Program URL:

<http://www.aps.org/programs/honors/awards/pipkin.cfm>

A \$2,000 award is given to a young scientist with exceptional research accomplishments in the interdisciplinary area of precision measurement and fundamental constants. The award also includes travel expenses to the meeting where the award is given.

Deadline(s): 01/07/2008

DEADLINE NOTE

The award is given biennially every odd-numbered year.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64291

American Physical Society

Program Number: 64292

Title: Leo Szilard Lectureship Award

E-mail: valerie.thomas@isye.gatech.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/szilard.cfm>

The sponsor supports an award that recognizes outstanding accomplishments by physicists in promoting the use of physics for the benefit of society. The lectures should be especially aimed at physicists early in their careers.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64292

American Physical Society

Program Number: 64294

Title: Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics

E-mail: wtford@pizero.colorado.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/dissertation/tanaka.cfm>

The sponsor provides an award to recognize exceptional young scientists who have performed

original doctoral thesis work of outstanding scientific quality and achievement in the area of experimental particle physics.

Deadline(s): 01/10/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64294

American Physical Society

Program Number: 87155

Title: Einstein Prize

E-mail: friedman@uwm.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/einstein.cfm>

The sponsor provides an award of \$10,000 to recognize outstanding accomplishments in the field of gravitational physics.

Deadline(s): 01/07/2008

DEADLINE NOTE

This award is presented biennially in odd-numbered years.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?87155

American Physical Society

Program Number: 87157

Title: Nicholson Medal for Human Outreach

E-mail: pmeszaros@astro.psu.edu

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/nicholson.cfm>

The sponsor provides an award to recognize the humanitarian aspects of physics and physicists.

Deadline(s): 01/07/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?87157