

# Weekly Bulletin

Research School of Physical Sciences & Engineering

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14 – 20 September 2007

## STAFF MOVEMENTS

Professor Rob Elliman, EME, will give an invited talk at a Symposium on “Ion Beam Technology and Applications”, 19-21 September, Mumbai India. He will then continue to give another invited talk at the “18th International Conference on Ion Beam Analysis”, 23-28 September, Hyderabad India.

Professor Steve Buckman, CAMS/AMPL will be visiting the James Cook University in Townsville from 19-21 September and delivering a public lecture on “Antimatter - Does it Matter” on 20 September.

Professor Murray Batchelor, Department of Theoretical Physics, will be absent from 16-30 September for research collaboration at the University of Tokyo and to attend the Annual Meeting of the Japanese Physical Society, Sapporo. Professor Bazhanov will be Acting Head during this period.

## NEW STAFF

Atomic and Molecular Physics Laboratories would like to welcome Kandis Lea Jessup who joins us from the Southwest Research Institute in Boulder Colorado as a new postdoctoral fellow. Kandi will be doing research in planetary atmospheres under guidance of Dr Frank Mills. Please join with us in making her feel welcome.

EME would like to welcome Professor Werner Wesch from Jena University Germany, visiting for one month working on collaborative projects with Dr Mark Ridgway and his group.

EME would like to welcome new Technical Officer to the Department - Mr Craig Saint.

## GRANTS & AWARDS

**Space Telescope Science Institute**  
Program Number: 76218

Title: Giacconi Postdoctoral Fellowship

E-mail: [gfinquiry@stsci.edu](mailto:gfinquiry@stsci.edu)

Program URL:

<http://www.stsci.edu/institute/org/spd/giacconi-fellowship/ao>

Applications are invited for the postdoctoral fellowship. The selection will be based on the accomplishments and proposed research of the applicants.

**Deadline(s): 08/11/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?76218](http://australia.infoed.org/spin/spin_prog.asp?76218)

### **American Ceramic Society**

Program Number: 80052

Title: Richard and Patricia Spriggs Phase Equilibria Award

E-mail: [mstout@ceramics.org](mailto:mstout@ceramics.org)

Program URL:

<http://www.ceramics.org/membership/awards/spriggs.asp>

The sponsor awards a cash prize of \$1,000 to the author or authors who, in the judgment of its Committee, made the most valuable contribution to phase stability relationships in ceramic-based systems literature during the calendar year prior to the selection.

**Deadline(s): 05/12/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?80052](http://australia.infoed.org/spin/spin_prog.asp?80052)

### **Institute for Advanced Study**

Program Number: 01223

Title: School of Natural Sciences Fellowships

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

Program URL: <http://www.sns.ias.edu/aboutus.html>

Fellowships support faculty and postdoctoral men and women working full time on frontier topics in astrophysics, theoretical biology, mathematical physics, particle physics, quantum theory, string theory, and classical and quantum gravity.

**Deadline(s): 01/12/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?01223](http://australia.infoed.org/spin/spin_prog.asp?01223)

### **Smithsonian Institution**

Program Number: 63243

Title: Clay Fellowship at the Smithsonian

Astrophysical Observatory

E-mail: [postdoc@cfa.harvard.edu](mailto:postdoc@cfa.harvard.edu)

Program URL: <http://cfa-www.harvard.edu/clay/>

The sponsor provides support for research fellowships at the Harvard-Smithsonian Center for Astrophysics. Programs include both theory and observation. Eligible applicants are recent postdoctoral scholars in every branch of astronomical and astrophysical research.

**Deadline(s): 01/11/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?63243](http://australia.infoed.org/spin/spin_prog.asp?63243)

### **Astronomical Society of the Pacific**

Program Number: 71766

Title: Amateur Achievement Award

E-mail: [mdelgado@astrosociety.org](mailto:mdelgado@astrosociety.org)

Program URL:

<http://www.astrosociety.org/membership/awards/amateur.html>

The sponsor provides an award to recognize significant contributions to astronomy or amateur astronomy by those not employed in the field of astronomy in a professional capacity.

**Deadline(s): 15/12/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?71766](http://australia.infoed.org/spin/spin_prog.asp?71766)

### **Astronomical Society of the Pacific**

Program Number: 71767

Title: Klumpke-Roberts Award

E-mail: [mdelgado@astrosociety.org](mailto:mdelgado@astrosociety.org)

Program URL:

<http://www.astrosociety.org/membership/awards/klumpke.html>

The sponsor provides an award to recognize outstanding contributions to the public understanding and appreciation of astronomy. Nominations are welcome from all members of the sponsor organization and the public at large.

**Deadline(s): 15/12/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?71767](http://australia.infoed.org/spin/spin_prog.asp?71767)

### **Astronomical Society of the Pacific**

Program Number: 71769

Title: Las Cumbres Amateur Outreach Award

E-mail: [mdelgado@astrosociety.org](mailto:mdelgado@astrosociety.org)

Program URL:

<http://www.astrosociety.org/membership/awards/cumbres.html>

The sponsor provides an award to honor outstanding educational outreach by an amateur astronomer to K-12 children and the interested lay public. Nominations are made by members of the

astronomical community.

**Deadline(s): 15/12/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?71769](http://australia.infoed.org/spin/spin_prog.asp?71769)

### **Astronomical Society of the Pacific**

Program Number: 71770

Title: Maria and Eric Muhlmann Award

E-mail: [mdelgado@astrosociety.org](mailto:mdelgado@astrosociety.org)

Program URL:

<http://www.astrosociety.org/membership/awards/muhlmann.html>

An award is given annually for recent significant observational results made possible by innovative advances in astronomical instrumentation, software or observational infrastructure. The award will be made to the scientist(s) who acquired the results, to the builder of the instrument/software (if a different individual), or to both as appropriate. Individuals as well as small teams of individuals are eligible. The award will be granted for significant advances in any areas of astronomy, without restriction to wavelength or space/ground-based observations. Nominations will be accepted from any member of the astronomical community.

**Deadline(s): 15/01/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?71770](http://australia.infoed.org/spin/spin_prog.asp?71770)

### **Carnegie Institution of Washington**

Program Number: 01959

Title: Carnegie Observatories Fellowship Program-Postdoctoral Research Fellowship in Astronomy

E-mail: [cfellow@ociw.edu](mailto:cfellow@ociw.edu)

Program URL:

<http://www.ociw.edu/fellowships/fellowshipprogram/>

Support is provided to postdoctoral researchers of all nationalities, for in-residence fellowships intended to encourage long-term research in observational astronomy and/or instrumentation. Eligible applicants must have received a Ph.D. in astronomy, astrophysics, or physics, preferably within the past three years. The duration of the fellowship can be up to three years.

**Deadline(s): 30/11/2007**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?01959](http://australia.infoed.org/spin/spin_prog.asp?01959)

### **National Academies**

Program Number: 58736

Title: Christine Mirzayan Science and Technology Policy Graduate Fellowship

E-mail: [policyfellows@nas.edu](mailto:policyfellows@nas.edu)

Program URL:

<http://www7.nationalacademies.org/policyfellows/index.html>

The sponsor provides support to engage graduate science, engineering, medical, veterinary, business and law students in the analysis and creation of science and technology policy and to familiarize them with the interactions of science, technology and government.

**Deadline(s): 01/11/2007**

**01/03/2008**

**01/06/2008**

DEADLINE NOTE

The deadline for applications is November 1 for the Winter program, March 1 for the Summer program and June 1 for the Fall program.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?58736](http://australia.infoed.org/spin/spin_prog.asp?58736)

### **International Society for Optical Engineering**

Program Number: 63502

Title: D.J. Lovell Scholarship

E-mail: [scholarships@spie.org](mailto:scholarships@spie.org)

Web Site: <http://spie.org/x1733.xml>

Program URL: <http://spie.org/Documents/Students/2008-SCHOL-App-Form.doc>

The sponsor provides support to recognize, assist, and encourage long-range contribution to the field of optics and photonics or related disciplines. Scholarships are available to SPIE members enrolled in undergraduate or graduate programs in optics, photonics, imaging, optoelectronics, or related program at an accredited education institution for the full year beginning Fall 2008.

**Deadline(s): 11/01/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?63502](http://australia.infoed.org/spin/spin_prog.asp?63502)

### **International Society for Optical Engineering**

Program Number: 63506

Title: Laser Technology, Engineering and Applications Scholarship

E-mail: [scholarships@spie.org](mailto:scholarships@spie.org)

Web Site: <http://spie.org/x1733.xml>

Program URL: <http://spie.org/Documents/Students/2008-SCHOL-App-Form.doc>

The sponsor provides a scholarship to recognize a student's scholarly achievement in laser technology, engineering or applications.

**Deadline(s): 11/01/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?63506](http://australia.infoed.org/spin/spin_prog.asp?63506)

### **International Society for Optical Engineering**

Program Number: 63507

Title: William Price Scholarship in Optical

Engineering

E-mail: [scholarships@spie.org](mailto:scholarships@spie.org)

Web Site: <http://spie.org/x1733.xml>

Program URL: <http://spie.org/Documents/Students/2008-SCHOL-App-Form.doc>

A scholarship is awarded to a full-time graduate or undergraduate student in the field of optical design and engineering.

**Deadline(s): 11/01/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?63507](http://australia.infoed.org/spin/spin_prog.asp?63507)

### **International Society for Optical Engineering**

Program Number: 63508

Title: BACUS Scholarship

E-mail: [scholarships@spie.org](mailto:scholarships@spie.org)

Web Site: <http://spie.org/x1733.xml>

Program URL: <http://spie.org/Documents/Students/2008-SCHOL-App-Form.doc>

The sponsor provides a scholarship to full-time undergraduate or graduate students in the field of microlithography with an emphasis on optical tooling and/or semiconductor manufacturing technologies.

**Deadline(s): 11/01/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?63508](http://australia.infoed.org/spin/spin_prog.asp?63508)

### **Royal Netherlands Academy of Arts and Sciences**

Program Number: 77853

Title: Dr. H.P. Heineken Prize for Biochemistry and Biophysics

E-mail: [heinekenprizes@bureau.knaw.nl](mailto:heinekenprizes@bureau.knaw.nl)

Program URL:

[http://www.knaw.nl/heinekenprizes/prizes\\_bio.html](http://www.knaw.nl/heinekenprizes/prizes_bio.html)

The sponsor makes an award for outstanding scientific achievements in the field of biochemistry and biophysics, including the biochemical and biophysical aspects of microbiology and the physiology of seed germination. Prospective candidates should be active researchers who are expected to continue their research activities for at least ten years.

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

DEADLINE NOTE

The five Heineken Prizes for science, scholarship and art are presented every other year during a special session of the Academy.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?77853](http://australia.infoed.org/spin/spin_prog.asp?77853)

### **Royal Netherlands Academy of Arts and Sciences**

Program Number: 77856

Title: Dr. A.H. Heineken Prize for Environmental Sciences

E-mail: [heinekenprizes@bureau.knaw.nl](mailto:heinekenprizes@bureau.knaw.nl)

Program URL:

[http://www.knaw.nl/heinekenprizes/prizes\\_env.html](http://www.knaw.nl/heinekenprizes/prizes_env.html)

The sponsor makes an award for outstanding scientific achievements in the field of environmental sciences.

Deadline(s): 01/01/2008

**DEADLINE NOTE**

The Heineken Prizes are presented every other year during a special session of the Academy.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?77856](http://australia.infoed.org/spin/spin_prog.asp?77856)

### **Netherlands Organisation for Scientific Research**

Program Number: 94436

Title: Rubicon Programme

E-mail: [rubicon@nwo.nl](mailto:rubicon@nwo.nl)

Web Site: <http://www.nwo.nl>

Program URL:

[http://www.nwo.nl/subsidiewijzer.nsf/pages/NWOP\\_6H2G7R\\_Eng?OpenDocument&nav=Rubicon\\_09\\_Eng](http://www.nwo.nl/subsidiewijzer.nsf/pages/NWOP_6H2G7R_Eng?OpenDocument&nav=Rubicon_09_Eng)

The Rubicon programme is directed at promising young postdoctoral researchers who are still at the start of their careers but whose academic strengths give them the potential to become established figures in the Dutch research world. Young researchers are encouraged to dedicate themselves to a career in postdoctoral research. It does so by giving them the chance to enhance their career prospects by spending up to two years at a top research institution outside the Netherlands or one year at an excellent Dutch research institution. The Rubicon programme also offers talented researchers from abroad the opportunity to obtain grants to spend one year conducting research in the Netherlands. Proposals will be assessed on the basis of the quality of the applicant, the research proposal and the host institution. The Rubicon programme is open to all scientific disciplines.

**Deadline(s): 04/12/2007**

**DEADLINE NOTE**

There will be three selection rounds a year. In 2007 the deadlines for submitting applications are: 3 April, 4 September end 4 December.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?94436](http://australia.infoed.org/spin/spin_prog.asp?94436)