

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 47
7 – 13 December 2007

ARC DEBRIEFING

Now that the ARC results and feedback have been distributed to applicants, Professors Ken Baldwin and Brenton Lewis will be holding an ARC debriefing session in the Link Building Seminar Room at **11.00am on Thursday 13 December**.

All 2007 applicants and prospective future applicants are strongly encouraged to attend.

SCHOOL SEMINARS

Thursday 13 December 2007

4.00pm

“DAWN's Ion-Propelled Mission to the Asteroids”

By Dawn Project Manager: Keyur Patel

Deputy Project Manager: Mike Sierchio

NASA Jet Propulsion Laboratory, Pasadena California

Oliphant Building Seminar Room

All Welcome

ACT AIP BRANCH AGM 2007

As usual the branch will wind up the year with the AGM accompanied by a sumptuous meal and topped off by an entertaining after-dinner speech. We hope to see many of you there.

**Time Wednesday 12 December 2007
7.00pm for 7.30pm**

Speaker Charley Lineweaver
Planetary Science Institute,
Research School of Astronomy and Astrophysics
and Research School of Earth Sciences Australian
National University

Title Cosmology, Exoplanets and the 2006
Nobel Prize for Physics

Location Southern Cross Yacht Club

Lotus Bay, Mariner Place

Yarralumla ACT 2600

Cost \$35 per person (including drinks), \$20
for students

The Yacht club will provide a carvery dinner - please let us know if you require a special diet, eg vegetarian.

Please RSVP to the Branch Chair, John Howard (john.howard@anu.edu.au) by

COB Friday 7th December.

STAFF MOVEMENTS

Staff and Visitors in the Department of Theoretical Physics will be absent from 11-15 December attending the annual Mathematical Physics Workshop to be held at the Kioloa Community Centre. Members attending are Professors Murray Batchelor, Vladimir Bazhanov, Peter Bouwknegt, Drs Xiwen Guan, Vladimir Mangazeev, Ashwin Pande and Sergey Sergeev, students Yves Barnez, Nathan Deutscher, Misha Dudalev, Peggy Kao, Josh Garretson, Sophie Maire, Matthew Magill, Rishni Ratnam and Madeleine Smith.

VISITORS

The Department of Theoretical Physics welcomes new visitors Professor Minoru Takahashi, Toho University, from 3 - 16 December, Professor Tetsuo Deguchi, Ochanomizu University, from 5 - 18 December and Professor James McGuire, Florida Atlantic University, from 1 - 21 December. They will undertake collaborative research with members of the Mathematical Physics Group.

The Department of Theoretical Physics welcomes Professor Greg Lawler (University of Chicago, 2 - 11 December) and Professor Peter Forrester (University of Melbourne, 2 - 11 December) as lecturers in the Mathematical Physics Summer School.

GRANTS & AWARDS

Smithsonian Institution

Program Number: 00119

Title: Graduate Student Fellowships

E-mail: siofg@si.edu

Program URL:

<http://www.si.edu/ofg/Applications/SIFELL/sifell.htm>

The sponsor provides support to allow students to conduct in-residence research for ten-week periods in association with Smithsonian research staff members. Applicants must be formally enrolled in a graduate program of study. The stipend is \$5,500.

Deadline(s): 15/01/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00119

Smithsonian Institution

Program Number: 00195

Title: Predoctoral Fellowships

E-mail: siofg@si.edu

Program URL:

<http://www.si.edu/ofg/Applications/SIFELL/sifell.htm>

Fellowships of \$25,000, plus allowances, support up to twelve months of in-residence research in biological and physical sciences, and arts, humanities, history, and social sciences. Eligible applicants are doctoral candidates who have completed all coursework and exams and must be engaged in dissertation research.

Deadline(s): 15/01/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00195

Smithsonian Institution

Program Number: 00197

Title: Postdoctoral Fellowships

E-mail: siofg@si.edu

Program URL:

<http://www.si.edu/ofg/Applications/SIFELL/sifell.htm>

Fellowships of \$40,000 support up to twelve months of in-residence research in biological and physical sciences, art, history, and social sciences. Eligible applicants are scholars who have held the doctoral degree or equivalent for less than seven years.

Deadline(s): 15/01/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00197

Smithsonian Institution

Program Number: 00204

Title: Senior Fellowships

E-mail: siofg@si.edu

Program URL:

<http://www.si.edu/ofg/Applications/SIFELL/sifell.htm>

Fellowships of \$40,000 plus allowances support up to twelve months of in-residence research in biological and physical sciences, art, history, and social sciences. Eligible applicants are scholars who have held the Ph.D. degree for more than seven years.

Deadline(s): 15/01/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00204

Smithsonian Institution

Program Number: 02375

Title: National Air and Space Museum Internships

E-mail: BanksM@si.edu

Program URL:

<http://www.nasm.si.edu/getinvolved/intern/index.cfm>

The National Air and Space Museum offers a work experience to college and university students through its Summer Internship Program. Interns have a firsthand opportunity to learn about the historic artifacts and archival materials housed in the Museum and to study the scientific and technological advances they represent.

Deadline(s): 15/02/2008

DEADLINE NOTE

Applications for Summer 2008 internships will be accepted from January 15 to February 15, 2007.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?02375

Humboldt (Alexander von) Foundation

Program Number: 60807

Title: Freidrich Wilhelm Bessel Research Award

E-mail: bessel-award.select@avh.de

Web Site: <http://www.avh.de>

Program URL:

<http://www.avh.de/en/programme/preise/bessel.htm>

The sponsor offers 25 awards annually to young foreign scientists who are already recognised as outstanding researchers in their fields. The awardees are invited to conduct research projects of their own choice in Germany, in co-operation with German colleagues, for periods of between six months and one year. Applicants should be nominated by researchers at established institutions in Germany.

DEADLINE NOTE

Applications are considered twice a year - usually in March and October. Applications may be submitted to the Alexander von Humboldt Foundation at any time. The deadline for complete nominations is 5 months prior to the selection meeting at the latest (i.e. by the end of October and the end of May respectively).

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?60807

Air Force Office of Scientific Research

Program Number: 01107

Title: Research Interests of the Air Force Office of

Scientific Research-Aerospace & Materials Sciences

E-mail: info@afosr.af.mil

Program URL:

http://www.afosr.af.mil/ResearchAreas/funding_overview.htm

Support is provided for research related to aerospace and materials sciences. Eligible applicants include researchers, colleges and universities, and research institutions and other applicants who are qualified to perform research. Award amounts and durations vary from proposal to proposal.

DEADLINE NOTE

This announcement remains open until superseded. Proposals are reviewed and evaluated as they are received. Proposals may be submitted at any time during the year.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01107

Air Force Office of Scientific Research

Program Number: 01109

Title: Research Interests of the Air Force Office of Scientific Research--Physics and Electronics

E-mail: info@afosr.af.mil

Program URL:

http://www.afosr.af.mil/ResearchAreas/funding_overview.htm

Support is provided to qualified individuals and institutions for physics and electronics research. Qualified individuals and institutions are eligible to apply. Grant funding ranges from proposal to proposal.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01109

Air Force Office of Scientific Research

Program Number: 01111

Title: Research Interests of the Air Force Office of Scientific Research--Mathematics, Information and Life Sciences

E-mail: info@afosr.af.mil

Program URL:

http://www.afosr.af.mil/ResearchAreas/funding_overview.htm

Support is provided for research in mathematics, information and life sciences. Anyone qualified to perform research is encouraged to apply. Award amounts and durations vary from proposal to proposal.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01111

Program Number: 54734

Title: 21st Century Research Awards--Studying

Complex Systems

E-mail: info@jsmf.org

Program URL:

<http://www.jsmf.org/apply/research/index.htm>

The sponsor supports scholarship and research directed toward the development of theoretical and mathematical tools that can be applied to the study of complex, nonlinear systems. A maximum of \$450,000, to be expended over a minimum of three years, or a maximum of six years, may be requested. **Deadline(s): 12/03/2008**

DEADLINE NOTE

Applications will be accepted online beginning February 11, 2008.

Deadline for receipt of applications is March 12, 2008.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?54734

Semiconductor Research Corporation

Program Number: 86167

Title: Computer-Aided Design and Test Science: System-Level/High-Level Tools and Logic/Physical Design Tools

E-mail: dale.edwards@src.org

Program URL: http://grc.src.org/fr/S200710_Call.asp

The sponsor solicits white papers in two distinct areas: system-level/high-level tools; and logic/physical design tools – for work to begin in July 2008 for an expected three-year period.

Deadline(s): 03/01/2008

DEADLINE NOTE

The deadline for submission of white papers is 3:00pm EST on January 3, 2008. Full proposals, if invited, will be due by 3:00pm EST on March 13, 2008.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?86167

University Corporation for Atmospheric Research

Program Number: 95219

Title: US CLIVAR Climate Prediction Applications Postdoctoral Program (CPAPP)

E-mail: vspapply@ucar.edu

Program URL:

http://www.vsp.ucar.edu/cpapp_Clivar15dec07.html

The sponsor offers a postdoctoral program designed to encourage and build the pool of scientists qualified to transfer advances in climate science and climate prediction into climate-related decision frameworks and decision tools.

Deadline(s): 15/12/2007

DEADLINE NOTE

Applications are due December 15, 2007. The short-listed candidates will then develop more specific letters of intent (LOI) due March 15, 2008. Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?95219

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=fmntmtr&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): 01/02/2008

01/05/2008

01/08/2008

01/11/2008

Link to full program description:

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

National Research Council

Program Number: 05444

Title: Research Associateship Programs--National Institute for Occupational Safety and Health

E-mail: jnyquist@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fmntmtr&progctr=53&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): 01/02/2008

01/05/2008

01/08/2008

01/11/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?05444