

# Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 34 Number 25  
27 June – 3 July 2008

## SCHOOL COLLOQUIUM (JOINTLY WITH JCSMR and AIP)

**Tuesday 1 July**

4.00pm

“Advances in Cancer Detection and Diagnosis: The Revolution in Bioimaging and Micro-molecular analysis”

by Dr Thomas M Baer

Stanford Photonics Research Center, Dept of Applied Physics, Stanford University

Leonard Huxley Lecture Theatre

Drinks and Light Refreshments will be provided in the RSPSE Link Tea Room after the Colloquium

## Australian Institute of Physics - ACT Branch

The July AIP - ACT branch meeting will be combined with the Colloquium presented by Tom Baer announced in this bulletin. You can find the abstract for the Colloquium at:

<http://www.act.aip.org.au/>

Members and guests are invited to enjoy the Colloquium followed by refreshments.

David Weisser

## SCHOOL SEMINAR PROGRAM

**Thursday 3 July**

4.00pm

by Dr Craig Savage

Department of Physics

“The future of physics education at ANU”

Huxley Lecture Theatre

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

**ALL WELCOME**

## SCHOOL SEMINARS

**Plasma Research Laboratory Seminar**

**Tuesday 1 July**

10:00 -11:00am

“Z-pinch processes and instabilities in general”

by Guy Rosenzweig, Weizmann Institute of

Science, Israel

This seminar focuses on PLIF & interferometry measurements of the initial gas configuration prior to becoming plasma.

Link Building Conference Room

**All Welcome**

## PHYSICS SOCIAL SOCCER DAY

Once again it is the time of year for a social game of soccer between RSPHysSE and the Department of Physics. It will be held on Friday 4 July, lunchtime at 12:30-1:30 on Fellows Oval. Anyone that can play soccer is welcome to join, and following tradition, we will play staff against students. Please send Guy Micklethwait

Guy.Micklethwait@anu.edu.au

an email if you are interested and let him know whether you are staff or a student.

## GRANTS AND AWARDS

**Japan Society for the Promotion of Science**

Program Number: 00221

Title: Fellowship for Research in Japan--Short-Term Program

E-mail:

Web Site: <http://www.jsps.go.jp/english/e-inv/how.htm>

Program URL: <http://www.jsps.go.jp/english/e-fellow/postdoctoral.html#short>

This program was established to assist promising and highly qualified young foreign researchers wishing to conduct research in Japan.

Deadline(s): 05/09/2008

12/05/2009

**DEADLINE NOTE**

The September 5, 2008 and May 12, 2009 deadlines are for the head of the host institution to submit applications to the sponsor. Foreign researchers wishing to participate in either of these programs are advised to establish contact with a Japanese or foreign resident researcher in their field and to ask him/her to submit an application.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?00221](http://australia.infoed.org/spin/spin_prog.asp?00221)

### **Japan Society for the Promotion of Science**

Program Number: 09362

Fellowship for Research in Japan--Long-Term Program

Web Site: <http://www.jsps.go.jp>

Program URL: [http://www.jsps.go.jp/english/e-fellow/appli\\_long\\_2009.html](http://www.jsps.go.jp/english/e-fellow/appli_long_2009.html)

The fellowships purpose is to provide opportunities for young postdoctoral researchers from other countries to conduct, under the guidance of their hosts, cooperative research with leading research groups in universities and other Japanese institutions.

**Deadline(s): 05/09/2008**

DEADLINE NOTE

The September 5, 2008 deadline is for the head of the host institution to submit applications to the sponsor.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?09362](http://australia.infoed.org/spin/spin_prog.asp?09362)

### **Society for Industrial and Applied Mathematics**

Program Number: 67499

Title: Germund Dahlquist Prize

E-mail: [littleton@siam.org](mailto:littleton@siam.org)

Program URL:

<http://www.siam.org/prizes/sponsored/dahlquist.php>

A cash prize and a certificate are awarded to a young scientist for original contributions to such fields as the numerical solution of differential equations and numerical methods for scientific computing.

**Deadline(s): 01/10/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?67499](http://australia.infoed.org/spin/spin_prog.asp?67499)

### **Society for Industrial and Applied Mathematics**

Program Number: 72226

Title: SIAM/ACM Prize in Computational Science and Engineering

E-mail: [littleton@siam.org](mailto:littleton@siam.org)

Program URL:

<http://www.siam.org/prizes/sponsored/cse.php>

The sponsor awards a certificate and a cash prize in recognition of outstanding contributions to the development and use of mathematical and computational tools and methods for the solution of science and engineering problems. Nominations may be made by anyone.

**Deadline(s): 01/09/2008**

DEADLINE NOTE

The prize will be considered every two years.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?72226](http://australia.infoed.org/spin/spin_prog.asp?72226)

### **Semiconductor Research Corporation**

Program Number: 89288

Title: Integrated Circuit and Systems Sciences (ICSS) - Circuit Design (Temporarily Suspended)

E-mail: [dale.edwards@src.org](mailto:dale.edwards@src.org)

Program URL: [http://grc.src.org/fr/S200705\\_Call.asp](http://grc.src.org/fr/S200705_Call.asp)

Temporarily suspended. The sponsor solicits white papers in the area of Circuit Design for work to begin April 2008 for an expected three-year period.

DEADLINE NOTE

The deadline for submission of white papers is August 13, 2007. Successful white paper authors will be invited to submit a full proposal by November 5, 2007.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?89288](http://australia.infoed.org/spin/spin_prog.asp?89288)

### **Semiconductor Research Corporation**

Program Number: 89290

Title: Integrated Circuit and Systems Sciences (ICSS) - Integrated Systems Design (Temporarily Suspended)

E-mail: [david.yeh@src.org](mailto:david.yeh@src.org)

Program URL: [http://grc.src.org/fr/S200707\\_Call.asp](http://grc.src.org/fr/S200707_Call.asp)

Temporarily suspended. The sponsor solicits white papers in the area of Integrated Systems Design for work to begin April 2008 for an expected three-year period.

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The deadline for submission of white papers is August 13, 2007. Successful white paper authors will be invited to submit a full proposal by November 5, 2007.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?89290](http://australia.infoed.org/spin/spin_prog.asp?89290)

### **Mathematical Programming Society**

Program Number: 97597

Title: George B. Dantzig Prize in Mathematical Programming

E-mail: [service@mathprog.org](mailto:service@mathprog.org)

Program URL:

[http://www.mathprog.org/prz/dantzig\\_call.htm](http://www.mathprog.org/prz/dantzig_call.htm)

This prize is awarded to one or more individuals for original research which by its originality, breadth and depth, is having a major impact on the field of mathematical programming.

**Deadline(s): 15/11/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?97597](http://australia.infoed.org/spin/spin_prog.asp?97597)