

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 34 Number 41
24 – 30 October 2008

SCHOOL SEMINAR PROGRAM

Thursday 6 November, 2008

4.00pm

“Invisibility Cloaks and Transform Optics”

by Dr Ilya Shadrivov, Nonlinear Physics Centre
Oliphant Building Seminar Room

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

SCHOOL SEMINARS

Nonlinear Physics Centre Seminar

Friday 24 October 2008

11.00am

1 “Soliton collider based on the Doppler effect”

2 “Nanosolitons in resonantly driven molecular
chains”

by Professor Nikolay Rosanov

Vavilov State Optical Institute, Russia

Link Building Seminar Room, Oliphant Building

ALL WELCOME

Laser Physics Centre Seminar

Wednesday 29 October 2008

11.00am

1) “New femtosecond laser-synthesized
nanohybrid materials for biophotonics”

2) “Efficient generation of dispersed nanoparticles
by laser ablation in liquid media”

by Dr C. Laszlo SAJTI

Laser Zentrum Hannover e.V., Germany

Link Building Seminar Room RSPHysSE

22ND CANBERRA INTERNATIONAL PHYSICS SUMMER SCHOOL

“Complex Physical, Biophysical and Econophysical
Systems”

8-19 December 2008

Haydon-Allen Lecture Theatre, ANU

The 2008 Summer School covers a wide range of
topics in *complex physical, biophysical and
econophysical systems*.

Lectures will be delivered in the mornings; during
the afternoon program, students will be guided
through computer-based projects that integrate key
ideas from complex systems and introduce some of
the current software tools. The Summer School is
targeted towards 3rd and 4th year undergraduates,
Masters and PhD students and professional
researchers.

Registration now open.

*For detailed information please visit the summer
school homepage:*

<http://www.rspshysse.anu.edu.au/~ccs106/SUMMERSCHOOL/SS22/index.html>

ANU BOTTLESHOP REOPENED

Now called “The Licenced Grocer on Balmain”

Opposite the Childcare Centre on Balmain
Crescent, this is now open and selling grocery
items, snacks and drinks. An ideal alternative
venue for lunches/after work drinks.

STAFF MOVEMENTS

Professor Steve Buckman, CAMS/AMPL, will be
visiting the Atomic Data Centre at the National
Fusion Research Centre and the Chungnam
National University in Daejeon, Korea from 27-31
October. He will present an invited lecture at an
Atomic Data Workshop at NFRC and hold
discussions on Atomic and Molecular data relevant
to fusion research.

Professor Mark Knackstedt, Dr Trond Varslot and
Dr Adrian Sheppard are travelling to Abu Dhabi to
attend the SCA 2008 International Symposium and
10th Wettability Conference from 27 October – 2
November.

Assoc Professor Tim Senden, Dr Trond Varslot,
Mr Michael Turner, Dr Andrew Kingston,
(Speaker), Mr Tim Sawkins and Mr Lachlan
McCalman are attending the 2nd Australian
Workshop on Tomography, 13 – 14 November at
Monash University, Melbourne.

The Nonlinear Physics Centre would like to

welcome a visiting fellow, Dr Jose Salgueiro. Dr Salgueiro is from Universidade de Vigo As Lagoas, Spain and will be working with Professor Yuri Kivshar and other members of the Centre on the problem of light localization in periodic structures.

The Nonlinear Physics Centre would like to welcome a new staff member, Dr Alex Savin. Dr Savin comes from the Institute of Chemical Physics (Moscow, Russia) taking a fixed-term appointment; he will be working with Professor Yuri Kivshar on nonlinear physics of graphene and carbon nanotubes, including the studies of localized states and conductivity.

CAMS/AMPL Visitor

Professor Don Madison from the Missouri Institute of Technology is visiting CAMS from 28 October – 10 November to pursue ongoing collaborations.

Applied Maths Visitor

Applied Maths welcomes back Jacob Kirkensgaard, a joint student with Copenhagen University. Jacob is here for six months, to further his PhD studies on molecular self-assembly with Stephen Hyde and Liliana De Campo.

GRANTS & AWARDS

University of Illinois at Urbana-Champaign

Program Number: 63644

Title: Beckman Institute for Advanced Science and Technology Fellows Program

E-mail: beckmanfellows@beckman.uiuc.edu

Program URL:

<http://www.beckman.uiuc.edu/faculty/postdoc.html>

The sponsor's Beckman Institute provides funding for young scientists to spend several years doing independent research in the behavioral and biological sciences, chemistry, engineering, and physics before launching formal academic careers.

Deadline(s): 01/12/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?63644

Semiconductor Research Corporation

Program Number: 00192

Title: Device Sciences: Research in Analog and Mixed-Signal Devices

E-mail: jhall@src.org

Program URL: http://grc.src.org/fr/S200804_call.asp

The sponsor is soliciting white papers in the area

of Analog and Mixed-Signal Devices (AMS). The principal goals of this research are to explore new frontiers in devices and technologies for analog and mixed-signal applications.

Deadline(s): 04/12/2008

The deadline for submission of white papers is December 4, 2008 by 3:00pm EST. The deadline for submission of full proposals, if invited, is March 3, 2009 by 3:00pm EST.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00192

National Center for Atmospheric Research

Program Number: 00977

Title: Scientific Visitors

E-mail: asp-apply@ucar.edu

Program URL:

<http://www.hao.ucar.edu/people/visitors/longterm.php>

Scientific Visitors are established researchers visiting HAO from their home institution. The term of appointment ranges from a few days to a year (this includes sabbatical visits), depending upon the collaborative research being proposed, and may occur at any time during the year. Scientific Visitors are expected to work at HAO in Boulder, Colorado, with the exception of required time spent participating in field research and observing programs. Scientific Visitors generally receive travel support.

Deadline(s):

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00977