SCHOOL SEMINAR PROGRAM

Thursday 5 November 2009
4.00pm
“Optical Trapping and Guiding Particles in Air”
by Dr Andrei Rode, Laser Physics Centre, RSPE
Leonard Huxley Lecture Theatre
Drinks and light refreshments will be provided in the RSPE Link Tea Room after the Seminar
All Welcome

SCHOOL SEMINARS

Nonlinear Physics Centre Seminar
Friday 30 October 2009
2.00pm
“Controlling light with plasmonic nanostructures”
by Professor Anatoly V. Zayats
Centre for Nanostructured Media, IRCEP
The Queen's University of Belfast, United Kingdom.
http://www.nano-optics.org.uk
Link Building Seminar Room, Oliphant Building

Nonlinear Physics Centre Seminar
Monday 2 November 2009
11.00am
“Nanostructured materials and assemblies as low-dimensional plasmon and Raman structures”
by Vladimir V. Tsukruk
School of Materials Science and Engineering & School of Polymer, Textile, and Fiber Engineering; Georgia Institute of Technology, Atlanta, GA 30332
vladimir@mse.gatech.edu, http://polysurf.mse.gatech.edu/
Link Building Seminar Room, Oliphant Building

Nonlinear Physics Centre Seminar
Monday 2 November 2009
2.00pm
“Plasmonic nanoantenna arrays for nanophotonic and biosensing applications”
by Professor Anatoly V. Zayats
Centre for Nanostructured Media, IRCEP
The Queen's University of Belfast, United Kingdom. http://www.nano-optics.org.uk
Link Building Seminar Room, Oliphant Building

THE SECOND CONFERENCE OF ADVANCED PHYSICS

Final Honours Seminars
The conference program will span a broad range of cutting edge physics from across the Research School of Physics and Engineering and beyond.

Monday 9th and Tuesday 10th November 2009
1pm - 5pm

MONDAY 9 NOVEMBER
1:00 - Jennifer Zhu - Electronic Materials Engineering
1:30 - Andrew Wade - Department of Quantum Science
2:00 - Lachlan Nicholls - Department of Quantum Science
2:30 - Johnny Seongjoon Yi - Theoretical Physics
2:50 tea and cake break
3:30 - Robert Evans - Atomic and Molecular Physics
4:00 - Victoria Hudepohl - Physical and Theoretical Chemistry, RSC
4:30 - Andrew Manning - Atomic and Molecular Physics

TUESDAY 10 NOVEMBER
1:00 - Bill Noble - Atomic and Molecular Physics
1:30 - Mathew Creese - Plasma Physics Laboratory
2:00 - Kirsty Hannam - Atomic and Molecular Physics
2:30 - Ryan Holmes - Department of Applied Mathematics
2:50 tea and cake break
3:30 - Justin Bewsher - Department of Quantum Science
4:00 - Gordon McDonald - Department of Quantum Science
4:30 - Prabha Thanarajan - Biophysics Group, RSBS
Huxley Lecture Theatre, RSPE
STAFF MOVEMENTS

Professor Stephen Buckman (CAMS/AMPL) will attend and Chair a meeting of the Asia Pacific Atomic Data Network at the National Fusion Research Institute in Daejeon, Korea from 1 – 3 November.

Professor Murray Batchelor, Department of Theoretical Physics, will be absent from 1 – 13 November to give an invited talk at the KITPC workshop on Condensed Matter Physics of Cold Atoms, Beijing. He will also visit the Institute of Physics, Chinese Academy of Sciences, Beijing. Professor Peter Bouwknegt will be Acting Head.

NLPC VISITORS

Dr Alexander Savin from the Semenov Institute of Chemical Physics, Russian Academy of Sciences, is visiting NLPC for a 3 month staff appointment. Dr Savin is here until 27 January 2010 and can be contact on ext 59139.

Professor Anatoly Zayats, a visiting fellow from the Centre for Nanostructured Media, The Queen’s University of Belfast, is here for a ten day visit to NLPC. Professor Anatoly Zayats can be contacted on ext 59079.

WELCOME

Please welcome Dr Reiner Vianden from Bonn University, Germany, to the School. Dr Vianden will be visiting Dr Timmers, Dr Ridgway and Professor Byrne until 9 November 2009.

GRANTS & AWARDS

Berthold Leibinger Stiftung
Program Number: 03690
Title: Innovationspreis
E-mail: sven.ederer@leibinger-stiftung.de
Program URL: http://www.leibinger-stiftung.de/2.innovationspreis.html
The sponsor provides one of the highest remunerated international innovation prizes for laser technology.
Deadline(s): 01/12/2009

Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?03690

Berthold Leibinger Stiftung
Program Number: 03874
Title: Zukunftspreis
E-mail: sven.ederer@leibinger-stiftung.de
Program URL: http://www.leibinger-stiftung.de/2.zukunftspreis.html
The sponsor recognizes outstanding milestones in research concerning the application or generation of laser light.
Deadline(s):
DEADLINE NOTE
There is no application process for the Berthold Leibinger Zukunftspreis. The jury selects the winner independently from applications and recommendations.
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?03874

Woods Hole Oceanographic Institution
Program Number: 07682
Title: Postdoctoral Scholarship Program
E-mail: postdoc@whoi.edu
Web Site: http://www.whoi.edu/page.do?pid=8023
Program URL: http://www.whoi.edu/cms/files/app_pd_eeo_09_44743.pdf
The sponsor offers in-residence fellowships in the fields of chemistry, engineering, geology, geophysics, mathematics, meteorology, physics, biology, and oceanography.
Deadline(s): 15/01/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?07682

McMaster University
Program Number: 99341
Title: Post-Doctoral Fellowship (Temporarily Suspended)
E-mail: Temporarily suspended.
An opening for a Post-Doctoral Fellow is anticipated in the Department of Mathematics & Statistics at McMaster University. The fellow will work in the research group of Dr Protas, and the focus of this industry-funded position will be continued research on integration of Optimization Theory and Computational Fluid Dynamics with
the goal to develop strategies for optimization of multi-physics fluid systems. In addition to substantial experience in scientific computing, an ideal candidate would also have background in Computational/Theoretical Fluid Dynamics and Optimization/Control Theory. This position may also involve some teaching responsibilities.

Deadline(s): 04/01/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?99341

**IBM Thomas J. Watson Research Center**
Program Number: 04334
Title: Herman Goldstine Postdoctoral Fellowship in Mathematical Sciences
E-mail: goldpost@watson.ibm.com

The sponsor supports a fellowship for research in mathematical and computer sciences. The fellowship provides scientists of outstanding ability an opportunity to advance their scholarship as resident department members at the Research Center. The Research Center is located in Westchester County, less than an hour north of New York City.

Deadline(s): 06/01/2010
DEADLINE NOTE
Applications will be accepted between October 26, 2009 and January 6, 2010 via e-mail only.
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?04334

**American Nuclear Society**
Program Number: 71479
Title: Henry DeWolf Smyth Nuclear Statesman Award
E-mail: awards@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): 01/01/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?71479

**American Ceramic Society**
Program Number: 75906
Title: Robert L. Coble Award for Young Scholars
E-mail: msstout@ceramics.org
Program URL: http://ceramics.org/acers-community/award-winners-resources/

The sponsor provides an award to recognize an outstanding scientist who is conducting research in academia, industry, or at a government-funded laboratory.

Deadline(s): 15/01/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?75906

**Electrochemical Society**
Program Number: 94799
Title: Gordon E. Moore Medal for Outstanding Achievement in Solid State Science and Technology
E-mail: awards@electrochem.org
Web Site: http://www.electrochem.org/awards/ecs/ecs_awards.htm
Program URL: http://www.electrochem.org/awards/ecs/rules/ssst_rules.htm
The sponsor provides an award to recognize contributions to the field of solid state science and technology.
Deadline(s): 25/04/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?94799

Electrochemical Society
Program Number: 94800
Title: Charles W. Tobias Young Investigator Award
E-mail: awards@electrochem.org
Web Site: http://www.electrochem.org/awards/ecs/ecs_awards.htm
Program URL: http://www.electrochem.org/awards/ecs/rules/tobias_rules.htm
The sponsor provides an award to recognize outstanding scientific and/or engineering work in fundamental or applied electrochemistry or solid-state science and technology by a young scientist or engineer.
Deadline(s): 15/01/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?94800

Electrochemical Society
Program Number: 94801
Title: Oronzio de Nora Industrial Electrochemistry Fellowship
E-mail: awards@electrochem.org
Program URL: http://www.electrochem.org/awards/ecs/ecs_awards.htm
The sponsor provides a one-year fellowship to a postdoctoral scientist or engineer for research in the field of industrial electrochemistry.
Deadline(s): 01/01/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?94801

Electrochemical Society
Program Number: 94802
Title: Battery Division Research Award
E-mail: awards@electrochem.org
Program URL: http://www.electrochem.org/awards/division/division_awards.htm#a
The sponsor provides an award to encourage excellence in battery and fuel cell research, and encourage their publication in the publications of The Electrochemical Society.
Deadline(s): 15/03/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?94802

Electrochemical Society
Program Number: 94803
Title: Battery Division Technology Award
E-mail: awards@electrochem.org
Program URL: http://www.electrochem.org/awards/division/division_awards.htm#b
The sponsor provides an award to encourage the development of battery and fuel cell technology, and to recognize significant achievements in this area. The Award is given to those individuals who have made outstanding contributions to the technology of primary and secondary cells, batteries, and/or fuel cells.
Deadline(s): 15/03/2010
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?94803

Electrochemical Society
Program Number: 95014
Title: European Section Alessandro Volta Medal Award
E-mail: awards@electrochem.org
Web Site: http://www.electrochem.org/awards/section/section_awards.htm#g
Program URL: http://www.electrochem.org/awards/section/rules/euro_volta_rules.htm
The sponsor provides an award to recognize excellence in electrochemistry and solid state science and technology research. The Award shall consist of a silver medal and a check for $500.
Deadline(s): 15/03/2010
DEADLINE NOTE
This award is presented biennially in the fall of even years.
Weekly Bulletin
Research School of Physics and Engineering

Link to full program description: