

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 26
13 – 19 July 2007

SCHOOL SEMINARS

Nuclear Physics Seminar
Monday 16 July 2007

11.15am

“Effect of core polarization and pairing correlation on isomeric E2 transitions in stable and neutron-rich odd-A Sb and I isotopes”

by Dr Hiroshi Watanabe, Department of Nuclear Physics

Nuclear Physics Seminar Room

All Welcome

CSRIO STUDENT RESEARCH PROGRAM

As part of the CSRIO student research program for 2007, Daniel Visentin, Year 12 student from MacKillop Catholic College and Kayla Gasperski, Year 11 student from St Frances Xavier College, will be carrying out a small project, “Detecting energetic protons using solar cells”, at the Department of Nuclear Physics during the period 16 - 20 July 2007, under the supervision of Drs Kibedi and Stuchbery.

PHOTONICS LECTURE COURSES

With the start of second semester, there are two photonics courses being offered in the Department of Physics that may be of interest. School members are welcome to participate in parts or all of these courses.

Enquires to: John.D.Love@anu.edu.au.

PHYS3051 - Microphotonics, Biophotonics & Nanophotonics

This is a new course that will include a variety of areas encompassing fibre sensors and applications, fibres in architectural lighting, endoscopy, fibres in medical diagnostics and laser procedures, and nanoscale scale light guidance and manipulation. Lectures will be presented by Professor John Love, Professor Jagadish and colleagues, as well as guest lecturers from academia and industry in Canberra,

Sydney and Melbourne. Times are 10am, Tuesdays, 10am, Thursdays and 9am Fridays in lecture theatre PSYC-G8 (next to Dept of Physics) starting Tuesday, 17 July and finishing Friday, 31 October.

PHYS3059 - Optical Waveguide Materials involving a number of materials and techniques for fabricating planar waveguides and devices. Lectures will be presented by Dr Christine Charles, Dr Hoe Tan, Dr Andrei Rode and Professor Barry Luther-Davies. Times are 9am, Mondays, 9am, Wednesdays and 12.00 noon Thursdays in lecture theatre PSYC-G5 (next to Dept of Physics) starting Monday, 16 July and finishing Friday, 31 August.

GRANT AWARD

The Plasma Research Lab is pleased to announce the recent award of a DEST International Science Linkages grant of \$505K to Professor John Howard in support of a three year collaboration with fusion groups in the US, Korea and Germany. The program, on advanced imaging of plasma spectra will commence in the final quarter of 2007.

FROM THE SCHOOL FINANCE MANAGER

Use of Admin Photocopier (top-floor of Link building)

The recently purchased Administration multi-function device (located on the top-floor of the Link building behind the seminar room) is not a School general use copier but is reserved for Business Office use only. If you wish to do copying, please use your respective department/area copier or utilise the Reception copier (see Susie).

STAFF MOVEMENTS

Dr Marek Samoc and Dr Anna Samoc, LPC, have just left for an o/s trip to Europe and the United States related to participation in conferences and scientific visits at Universities (5 July -31 August). They will give invited talks and chair sessions at the 9th International Conference on Frontiers of

Polymers and Advanced Materials, Krakow (Poland) July 8-12, 2007; invited talks at the SPIE International Symposium on Optics & Photonics, the Conference: Linear and Nonlinear Optics of Organic Materials VII (OP120), San Diego, CA, 26-30 August 2007; invited talks, Program Committee at the SPIE International Symposium on Optics & Photonics, the Conference: Nanobiotronics (OP221), San Diego, CA, 26-30 August 2007.

They will visit and perform collaborative research at University of Wroclaw, and Wroclaw University of Technology, Poland, SUNY at Buffalo, NY, University of Dayton and Air Force Research Laboratory, Dayton, OH.

Several staff members from the Atomic and Molecular Physics Laboratories will be attending international conferences in Europe during July and August. Professor Anatoli Kheifets will conduct collaborative research at the Max-Planck Institute for Nuclear Physics in Heidelberg and chair a session at the *International Symposium on (e,2e), Double Photoionization and Related Topics* in Koenigstein. Dr Maarten Vos will also be presenting an invited talk at this symposium and will attend the VUV XV (*International Conference on Vacuum Ultraviolet Radiation Physics*) in Berlin. Profs Kheifets, Weigold, Drs Bellm, Ivanov and Mills will be attending ICPEAC 2007 (*Photonic, Electronic, and Atomic Collisions*) in Freiburg. Many will present papers including an invited talk by Professor Kheifets and a special report talk by Dr Bellm. Everyone will return during August.

Dr Julian Lower, CAMS/AMPL, will travel to Germany on 11 July, returning on 7 August. He will be performing collaborative research at the Max Planck Institute for Nuclear Physics in Heidelberg from 13 - 24 July, thereafter presenting a paper at the 25th International Conference on Photonic, Electronic and Atomic Collisions in Freiburg (24 -31 July) and chairing a session at the "International Symposium on (e,2e), Double Photoionization and Related Topic" (2 -4 August) in Koenigstein, Germany.

GRANTS & AWARDS

American Association of Physicists in Medicine

Program Number: 75231

Title: William D. Coolidge Award

E-mail: nvazquez@aapm.org

Program URL:

<http://www.aapm.org/org/callfornominations.asp>

The sponsor provides an award to a member of its organization in recognition of an eminent career in medical physics.

Deadline(s): 15/10/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?75231

American Association of Physicists in Medicine

Program Number: 75235

Title: AAPM Award for Achievement in Medical Physics

E-mail: nvazquez@aapm.org

Program URL:

<http://www.aapm.org/org/callfornominations.asp>

The sponsor provides an award to recognize members of its organization whose careers have been notable based on their outstanding achievements.

Deadline(s): 15/10/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?75235

American Society for Laser Medicine and Surgery, Inc.

Program Number: 80577

Title: Grants for Engineering Graduate Students and Postdoctoral Fellows

E-mail: information@aslms.org

Web Site: <http://www.aslms.org/grants/travel.shtml>

Program URL:

<http://www.aslms.org/grants/patientresearch.shtml>

The sponsor provides support for the attendance of a number of graduate students and postdoctoral fellows in the fields of biomedical optics and engineering at the 2008 American Society for Laser Medicine and Surgery (ASLMS) Annual Conference.

Deadline(s): 02/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?80577