

Weekly Bulletin

Research School of Physics and Engineering



Volume 36 Number 13

9 – 15 April 2010

FROM THE DIRECTOR'S OFFICE

Mrs Patricia Ohlmus

Older members of the School, both those who have left and those still about, will remember with great fondness Mrs Patricia (Pat) Ohlmus who died in Griffith on 6 April aged 90. Known universally as "Mrs O", she was the School's Administrative Officer from 1959 to 1984. In *Fire in the Belly*, Ophel and Jenkin paint a sympathetic and accurate picture of her, writing that she 'treated everyone in the School with warm friendliness and the same polite formality. Students were always Mr or Miss until their degree was conferred, thereafter it became Doctor'. It was typical of her 'lively and caring concern for everything going on in the School.' Her 25 years serving the School were years of great change; hers was the welcoming and unchanging face in the School Administration during those years.

CONGRATULATIONS

Super Science Fellowships commencing 2010 and 2011 were announced this week. Congratulations to **Professor Keith Fifield** for being lead CI of an ANU research team that wins \$556,800 in funding over four years commencing 2010 for "Novel dating methods for marine sediment of relevance to determining past climate changes" and **Professors Kivshar and Jagadish** for winning \$835,200 in funding over four years commencing 2011 for "Nanofabrication of Metamaterials for Next Generation Optical Devices". A great achievement by all.

NEW RACLO

Please note that Margo Davies has been appointed the new Rehabilitation and Compensation Liaison Officer (RACLO) replacing Rob Tidy who is now located in another building. Margo can be contacted on extension 52847.

STAFF MOVEMENTS

Professor Anatol Kirillov, Research Institute for Mathematical Sciences, Kyoto University, is visiting the Department of Theoretical Physics for next two weeks. He is conducting collaborative research with Professor Vladimir Bazhanov.

Professor Murray Batchelor, Theoretical Physics, will be absent from April 10-25 to Chair the Annual Board meeting for J Phys A. He will also visit the Universities of Oxford, Aberdeen and Edinburgh and give an invited talk at the 14th Annual UK Meeting on Integrable Models, Conformal Field Theory and Related Topics in Canterbury.

Professor George Dracoulis, Department of Nuclear Physics, will be overseas from 13 April to 4 June 2010. He will be based mainly at the University of Surrey, UK for collaborative research and present several seminars, including the opening talk at the international Workshop on Nuclear Isomers to be held in late May. He is also an invited speaker at the 2010 IOP Nuclear Physics Conference at the University of Edinburgh (18/4 to 21/4). While at Surrey, he will take part in a Storage Ring experiment at GSI-Germany to measure the masses of exotic nuclei, as well as giving seminars at Liverpool and Manchester Universities. On his return he will visit Argonne National Laboratory as part of a collaborative project on the development of the new CARIBU facility, aimed at exploiting neutron-rich beams from fission fragments, together with Greg Lane from the Department of Nuclear Physics and Michael Smith who is visiting Argonne for an extended period as part of his ANU PhD project.

PhD students Mr Maurits Evers and Mr Duc Huy Luong, Department of Nuclear Physics, have been selected to participate in the European Centre for Theoretical Studies in Nuclear Physics and Related Areas Doctoral Training Program 2010 "Nuclear Structure and Nuclear Astrophysics with Radioactive Ion Beams", Trento, Italy.

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VISITORS

Please welcome to the Department of Nuclear Physics Mr Patrick Kessler, PhD student, University of Bonn, Germany, who will be visiting us for collaborative research with Prof Byrne and Dr Timmers in the period 8 April to 5 May 2010.

SCHOOL SEMINAR

Nonlinear Physics Center Seminar Wednesday 14 April 2010

11.00am

"Mie scattering for particles with spatial dispersion"

by Dr Andrey Miroschnichenko

Nonlinear Physics Center

Link Bldg Seminar Room, Oliphant Bldg

All welcome

GRANTS AND AWARDS

American Physical Society

Program Number: 01473

Dannie Heineman Prize for Mathematical Physics

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/heineman.cfm>

A prize of \$10,000 recognizes outstanding publications in the field of mathematical physics.

Eligible applicants are scientists from any nation.

Deadline(s): 01/07/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?01473

American Physical Society

Program Number: 64268

Title: James C. McGroddy Prize for New Materials

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/mcgroddy.cfm>

The sponsor provides support for a \$10,000 prize to recognize and encourage outstanding achievement in the science and application of new materials. Eligible nominees are scientists of all nationalities irrespective of where their work has been carried out. A certificate and travel expenses

to the meeting where the prize is bestowed are also awarded.

Deadline(s): 01/07/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64268

American Physical Society

Program Number: 08743

Title: Aneesur Rahman Prize for Computational Physics

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/rahman.cfm>

A prize of \$5,000 recognizes and encourages outstanding achievement in computational physics research.

Deadline(s): 01/07/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?08743

American Physical Society

Program Number: 37152

Title: Joseph A. Burton Forum Award

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/burton.cfm>

A prize of \$3,000 is offered for outstanding contributions to the public understanding or resolution of issues involving the interface of physics and society. An allowance is provided for travel to the meeting of the Society at which the award is presented.

Deadline(s): 01/07/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?37152

American Physical Society

Program Number: 64290

Title: George E. Valley, Jr. Prize

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/prizes/valley.cfm>

The sponsor provides support for an award to recognize an individual, in the early stages of his or her career, for an outstanding scientific

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contribution to the knowledge of physics.

Deadline(s): 01/07/2010

DEADLINE NOTE

The prize is presented biennially.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?64290

Institution of Engineering and Technology

Program Number: 00379

Title: IET Travel Grant

E-mail: awards@theiet.org

<<mailto:awards@theiet.org>>

Web Site: <http://www.theiet.org/about/scholarships-awards/ambition/travel-awards/>

This award is intended to assist members of the Institution of Engineering and Technology (IET) with their travel overseas to broaden their professional experience perhaps by undertaking a study tour, by working in industry or by participating in an international conference or seminar.

Deadline(s): 30/11/2010

DEADLINE NOTE

Applications for travel awards may be received from 1 January to 30 November. Please apply for a Travel Award at least two months before your proposed travels.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00379

American Physical Society

Program Number: 03208

Title: John Wheatley Award

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Program URL:

<http://www.aps.org/programs/honors/awards/wheatley.cfm>

A \$2,000 award is offered to recognize the dedication of physicists who have made contributions to the development of physics in third world countries.

Deadline(s): 01/07/2010

DEADLINE NOTE

The award is presented biennially in odd-numbered years.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?03208

American Physical Society

Program Number: 37157

Title: John H. Dillon Medal

E-mail: honors@aps.org <<mailto:honors@aps.org>>

Web Site: <http://www.aps.org>

Program URL:

<http://www.aps.org/programs/honors/awards/dillon.cfm>

A prize of \$2,000 is offered to recognize outstanding research accomplishments by young polymer physicists who have demonstrated exceptional research promise early in their careers. The sponsor provides up to \$1,000 allowance for travel to the meeting at which the award is presented.

Deadline(s): 01/07/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?37157