

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 46

30 November – 6 December 2007

SCHOOL SEMINARS

Laser Physics Centre Seminar

Monday 3 December 2007

11.00am

“Liquid Crystal Colour Displays-Electro-Optic Properties of LCDs Working Under Special Conditions”

by Jerzy Zielinski

Institute of Applied Physics, Military University of Technology, Warsaw, Poland

Link Building Seminar Room

All Welcome

Nuclear Physics Seminar

Monday 3 December 2007

11.15am

“A detector for cleaning (-spectra by measuring evaporation residues in coincidence, the recoil filter detector RFD”

by Dr K.H.Maier, Institute of Nuclear Physics, Krakow,

Nuclear Physics Seminar Room

All Welcome

Laser Physics Centre Seminar

Monday 3 December 2007

2.00pm

“Orthoconic Antiferroelectric Liquid Crystals for Advanced Display Applications”

by Zbigniew Raszewski

Institute of Applied Physics, Military University of Technology, Warsaw, Poland

Link Building Seminar Room

All Welcome

CCS/COSNet Distinguished Visitor Seminar

Tuesday 4 December 2007

4.00pm

“Is statistical mechanics a theory of everything?”

by Dr Roderick Dewar, INRA Bordeaux, France

Link Building Seminar Room

All Welcome

Refreshments will be provided at the Link Lounge

Area before the Seminar

School Seminar Program

Thursday 6 December 2007

4.00pm

“New frontiers in charged particle imaging: are traditional photoelectron techniques becoming obsolete?”

by Dr Steve Cavanagh

Atomic and Molecular Physics Laboratories, RSphysSE

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

All Welcome

Thursday 13 December 2007

4.00pm

“DAWN's Ion-Propelled Mission to the Asteroids”

By Dawn Project Manager: Keyur Patel

Deputy Project Manager: Mike Sierchio

NASA Jet Propulsion Laboratory, Pasadena California

Oliphant Building Seminar Room

All Welcome

CONGRATULATIONS

Congratulations to the LINAC Team from the Department of Nuclear Physics for winning the Australian Engineering Excellence Award 2007 for “Superconducting LINAC-booster for Heavy Ion Accelerator Facility”. It was presented at a special ceremony held at Parliament House on 22 November.

VISITORS

The Nonlinear Physics Centre welcomes Associate Professor Panayotis Kevrekidis from the University of Massachusetts (USA) who will be working with several members of the Centre on light localization in periodic photonic structures and stability of nonlinear localized modes.

The Department of Nuclear Physics welcomes Dr Hugo Maier from the Institute of Nuclear Physics in Krakow. Hugo will be with us until early

February to work with the Gamma Group. Hugo can be contacted on extension 52092 or email Hugo.Maier@T-Online.De

Please also welcome to the Department of Nuclear Physics Gemma Cutting, Jayde Livingston, William Naylor, Glen Harris and Aditya Wakhle, all Summer Research Scholars, who will be with us until February next year.

GRANTS & AWARDS

Cooperative Institute for Research in Environmental Science

Program Number: 00983

Title: Visiting Fellowships and Sabbatical Fellowships

E-mail: dempsey@cires.colorado.edu

Program URL:

<http://cires.colorado.edu/collaboration/fellowships/apply/>

The sponsor provides in-residence fellowships for scientists with research interests in the areas of the sponsor's research themes. Eligible applicants are Ph.D. scientists at all levels, faculty planning sabbatical leave, and recent Ph.D. recipients.

Deadline(s): 31/12/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?00983

American Institute of Aeronautics & Astronautics

Program Number: 76485

Title: William Littlewood Memorial Lecture

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

This award highlights a broad phase of civil air transportation considered of current interest and major importance. The objective is to advance air transport engineering and to recognize those who make personal contributions to the field.

Deadline(s): 01/02/2008

DEADLINE NOTE

The award is presented in even years.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?76485

American Institute of Aeronautics & Astronautics

Program Number: 84036

Title: F. E. Newbold V/STOL Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

The sponsor provides an award to recognize

recognize outstanding creative contributions to the advancement and realization of powered lift flight.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?84036

American Institute of Aeronautics & Astronautics

Program Number: 84551

Title: Dannie Guggenheim Medal

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

The sponsor provides an award to honor persons who make notable achievements in the advancement of aeronautics.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?84551

American Institute of Aeronautics & Astronautics

Program Number: 91130

Title: Space Systems Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

The Space Systems Award is presented to recognize outstanding achievements in the architecture, analysis, design, and implementation of space systems.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91130

American Institute of Aeronautics & Astronautics

Program Number: 91134

Title: Space Automation and Robotics Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

This award is presented for leadership and technical contributions by individuals and teams in the field of space automation and robotics.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91134

American Institute of Aeronautics & Astronautics

Program Number: 91138

Title: Multidisciplinary Design Optimization Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

This award is presented to an individual for outstanding contributions to the development and/or application of techniques of multidisciplinary design optimization in the context of aerospace engineering.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91138

American Institute of Aeronautics & Astronautics

Program Number: 91141

Title: Mechanics and Control of Flight Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

This award is presented for an outstanding recent technical or scientific contribution by an individual in the mechanics, guidance, or control of flight in space or the atmosphere. **Deadline(s): 01/02/2008**

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91141

American Institute of Aeronautics & Astronautics

Program Number: 91143

Title: Energy Systems

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

An award is presented for a significant contribution in the broad field of energy systems, specifically as related to the application of engineering sciences and systems engineering to the production, storage, distribution, and conservation of energy.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91143

American Institute of Aeronautics & Astronautics

Program Number: 91144

Title: de Florez Award for Flight Simulation

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

This award is named in honor for the late Admiral Luis de Florez and is presented for an outstanding individual achievement in the application of flight simulation to aerospace training, research, and development.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91144

American Institute of Aeronautics & Astronautics

Program Number: 91147

Title: Aerospace Power Systems Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

This award is presented for a significant contribution in the broad field of aerospace power systems, specifically as related to the application of engineering sciences and systems engineering to the production, storage, distribution, and processing of aerospace power.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91147

American Institute of Aeronautics & Astronautics

Program Number: 95186

Title: Aerospace Guidance, Navigation and Control Award

E-mail: carols@aiaa.org

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

The sponsor provides an award to recognize important contributions in the field of guidance, navigation and control.

Deadline(s): 01/02/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?95186

National Research Council

Program Number: 58601

Title: Research Associateship Programs--U.S. Army Edgewood Chemical & Biological Center

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=frntmtr&progctr=11&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD. An annual stipend is awarded.

Deadline(s): 01/02/2008

01/05/2008

01/08/2008

01/11/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58601

National Research Council

Program Number: 58602

Title: Research Associateship Programs--U.S.
Army Medical Research and Materiel Command

E-mail: jnyquist@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fmntmtr&progctr=97&seq=20>

The sponsor provides opportunities to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers. Awardees must hold the PhD, ScD, or other earned research doctoral degree recognized in US academic circles as equivalent to the PhD.

Annual stipends are awarded.

Deadline(s): 01/02/2008

01/05/2008

01/08/2008

01/11/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?58602

National Research Council

Program Number: 81767

Title: Research Associateship Programs--Institute
for Water Resources

E-mail: ebasques@nas.edu

Program URL:

<http://nrc58.nas.edu/pgasurvey/data/aobooks/rapbooks.asp?mode=fmntmtr&progctr=35&seq=20>

The National Research Council, through its Associateship Programs office, conducts a national competition to recommend and make awards to outstanding scientists and engineers at recent postdoctoral and experienced senior levels for tenure as guest researchers at participating laboratories.

Deadline(s): 01/02/2008

01/05/2008

01/08/2008

01/11/2008

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?81767