FROM THE DIRECTOR'S OFFICE

The Director will be chairing the IUMRS-ICEM2008 Conference in Sydney from 28 July - 1 August inclusive. During this time Professor Brenton Lewis will be Acting Director.

SCHOOL SEMINARS

EME Seminar
Friday 25 July 2008
11.00am-12.00 noon
“Possible and impossible combinations in III-V nanowires and nanotrees”
by Professor Reine Wallenberg, Director of nCHREM, Polymer and Materials Chemistry, Lund University, SE-221 00 Lund, Sweden.
Link Building Seminar Room, RSPhysSE
ALL WELCOME

EME Seminar
Friday 25 July 2008
3.30pm
“Geometric Patterns & Structure of Solids”
by Zbigniew H. Stachurski
Link Bldg Seminar Room
ALL WELCOME

PRL Seminar
Monday 28 July 2008
3:00-4:00pm
“Pulsed Laser Ablation and Deposition of Thin Films for Organic Light Emitting Diodes”
by Professor Teck-Yong Tou from the Faculty of Engineering, Multimedia University, Selangor, Malaysia
Seminar Room Link Building

STAFF MOVEMENTS

Professor Mukunda Das, Theoretical Physics, will participate and give an invited talk in the International Conference on Strongly Coupled Coulomb Systems to be held at Camerino, Italy from 29 July - 2 August. He will also visit and give a seminar in the Physics Department of National University of Singapore on 4 August.

A recently completed PhD student Dr Santhosh Kumar, is leaving for a post Doctoral position at the University of Madison, Wisconsin, where he will apply charge exchange recombination spectroscopy to study plasma behaviour in the MST symmetric torus. PRL wishes him well in his new research endeavour.

VISITORS

Professor Teck-Yong Tou from the Faculty of Engineering, Multimedia University, Selangor, Malaysia will be visiting PRL on Monday, 28 July 2008 and will give a seminar on Pulsed Laser Ablation and Deposition of Thin Films for Organic Light Emitting Diodes.

PHOTONICS COURSES

Members of the School are welcome to participate in part or all of the following courses in photonics, including lectures and lab work, being offered this semester: PHYS3059 - Optical Waveguide Materials - covering various technologies and materials for fabricating planar optical waveguides and devices, together with non-linear waveguide phenomena presented by 5 researchers from RSPSE. This course starts 9.00am Monday, 28 July in PSYC G5, building 39, and runs all semester with additional lectures at 9am on Wednesdays and 12noon on Thursdays in the same place; PHYS3051 - Microphotonics, Biophotonics & Nanophotonics - covering the theory and use of optical fibres and waveguides in a diverse range of applications, including sensing, security, architecture, automobiles, medicine, astronomy, & nanotechnology. It includes a range of laboratory experiments. Lectures are at 12noon Mondays, 11am Wednesdays in BoZo B17 & 9am Fridays in Physics T. Contact John Love (John.D.Love@anu.edu.au) for further details.
OBITUARY
PROFESSOR ROWLAND SAMMUT

It is with sadness that we report the passing of Rowland Sammut on Thursday, 17 July, after a long battle with cancer. Rowland was an early researcher in optical fibres in Australia and came to the Dept of Applied Mathematics from UNSW in 1973 and completed a PhD in 1976. Thereafter he was a Research Fellow at Southampton University, then a Radio Research Board Fellow and Queen Elizabeth II Fellow back in Applied Mathematics. Subsequently he became a lecturer in Electrical Engineering and Computer Science at UNSW and after 1986 rose to be Professor of Mathematics at ADFA. He made valuable contributions in several areas of guided wave photonics. He is survived by his wife Margaret.

GRANTS & AWARDS

Australian Academy of Science
Program Number: 61281
Title: Dorothy Hill Award
E-mail: ac@science.org.au
The award will support research in the earth sciences including reef science, ocean drilling, marine science and taxonomy, by female researchers under 40 years at the closing date, except in the case of significant interruptions to a research career. An honorarium of $5,000 will be awarded. The award will be made annually and will be restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia.
Deadline(s): 30/08/2008
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?61281

Australian Academy of Science
Program Number: 61282
Title: Fenner Medal
E-mail: ac@science.org.au
The Fenner Medal recognises distinguished research in plants (excluding the biomedical sciences) by scientists under 40 years at the closing date. The award is made annually and is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia. An honorarium of $1000 is paid and in the case of a shared award it is divided.
Deadline(s): 30/08/2008
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?61282

Australian Academy of Science
Program Number: 61283
Title: Gottschalk Medal
E-mail: ac@science.org.au
The Gottschalk medal is to recognise outstanding research in the medical sciences by scientists under 40 years at the closing date. The awardee may not be a Fellow of the Academy. The award is made annually and is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia. An honorarium of $1,000 will be paid and in the case of a shared award it will be divided.
Deadline(s): 30/08/2008
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?61283

Australian Academy of Science
Program Number: 61284
Title: Pawsey Medal
E-mail: ac@science.org.au
The Pawsey Medal recognises outstanding research in physics by scientists under 40 years of age. The award is made annually and is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia.
Deadline(s): 30/08/2008
Link to full program description: http://australia.infoed.org/spin/spin_prog.asp?61284

Australian Academy of Science
Program Number: 89259
Title: Moran Medal
E-mail: ac@science.org.au
The sponsor provides an award to recognise outstanding research by scientists 40 years and under, except in the case of significant interruptions to a research career, in one or more of
the fields of applied probability, biometrics, mathematical genetics, psychometrics and statistics.

**Deadline(s): 30/08/2008**

**DEADLINE NOTE**
The award is normally made every two years. 


**Australian Academy of Science**
Program Number: 89471
Title: Lyle Medal
E-mail: ac@science.org.au
The purpose of the medal is to recognise outstanding achievement by a scientist in Australia for research in mathematics or physics.

**Deadline(s): 30/08/2008**

**DEADLINE NOTE**
The award is normally made every two years. 


**Australian Academy of Science**
Program Number: 89472
Title: Jaeger
E-mail: ac@science.org.au
The award is made to a scientist for investigations of a high order into the solid Earth or its oceans carried out in Australia or having some connection with Australian Earth science.

**Deadline(s): 30/08/2008**

**DEADLINE NOTE**
The award is normally made every two years. 


**Australian Academy of Science**
Program Number: 89475
Title: Haddon King Medal
E-mail: ac@science.org.au
The Haddon King Medal recognises the contributions of the late Haddon King to the application of the geological and related sciences to the search for mineral deposits in Australia.

**Deadline(s): 30/08/2008**

**DEADLINE NOTE**
The award is normally made every two years. 


**American Institute of Aeronautics & Astronautics**
Program Number: 76460
Title: Goddard Astronautics Award
E-mail: carols@aiaa.org
Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)
Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)
The sponsor provides an award to recognize notable achievement in the field of astronautics.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**
Program Number: 76461
Title: Reed Aeronautics Award
E-mail: carols@aiaa.org
Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)
Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)
The sponsor provides an award to an individual for achievements in the field of aeronautical science and engineering.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**
Program Number: 76462
Title: Dryden Lectureship in Research
E-mail: carols@aiaa.org
Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)
Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)
The lecture emphasizes the great importance of basic research to the advancement in aeronautics and astronautics and is a salute to research scientists and engineers.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**
Program Number: 76463
Title: Aeroacoustics Award
E-mail: carols@aiaa.org
Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)
An award is presented for an outstanding technical or scientific achievement resulting from an individual's contribution to the field of aircraft community noise reduction.

**Deadline(s): 01/10/2008**

Link to full program description:

**American Institute of Aeronautics & Astronautics**

Program Number: 76464

Title: Aerodynamics Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

An award is presented for meritorious achievement in the field of applied aerodynamics, recognizing notable contributions in the development, application and evaluation of aerodynamic concepts and methods.

**Deadline(s): 01/10/2008**

Link to full program description:

**American Institute of Aeronautics & Astronautics**

Program Number: 76465

Title: Aerodynamic Measurement Technology Award (Temporarily Suspended)

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Temporarily Suspended--An award is presented for continued contributions and achievements toward the advancement of advanced aerodynamic flowfield and surface measurement techniques for research in flight and ground test applications.

**Deadline(s): 01/10/2007**

DEADLINE NOTE

This award is offered biennially in even numbered years

Link to full program description:

**American Institute of Aeronautics & Astronautics**

Program Number: 76466

Title: Aerospace Design Engineering Award (Temporarily Suspended)

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Temporarily Suspended--An award is presented to recognize design engineers who have made outstanding technical, educational or creative achievements that exemplifies the quality and elements of design engineering.

**Deadline(s): 01/10/2007**

DEADLINE NOTE

This award is offered biennially in even numbered years.

Link to full program description:

**American Institute of Aeronautics & Astronautics**

Program Number: 76469

Title: Distinguished Service Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

The award gives unique recognition to an individual member of AIAA who has distinguished himself or herself over a period of years by service to the Institute.

**Deadline(s): 01/10/2008**

Link to full program description:

**American Institute of Aeronautics & Astronautics**

Program Number: 76470

Title: Engineer of the Year Award

E-mail: carols@aiaa.org
An award is given to an individual member of AIAA who has made a recent significant contribution that is worthy of national or international recognition.

**Deadline(s): 01/10/2008**


---

**American Institute of Aeronautics & Astronautics**

Program Number: 76471

Title: Fluid Dynamics Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for outstanding contributions to the understanding of the behavior of liquids and gases in motion as related to need in aeronautics and astronautics.

**Deadline(s): 01/10/2008**


---

**American Institute of Aeronautics & Astronautics**

Program Number: 76472

Title: Ground Testing Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for outstanding achievement in the development or effective utilization of technology, procedures, facilities, or modeling techniques or flight simulation, space simulation, propulsion testing, aerodynamic testing or other ground testing associated with aeronautics and astronautics.

**Deadline(s): 01/10/2008**


---

**American Institute of Aeronautics & Astronautics**

Program Number: 76473

Title: International Cooperation Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented to recognize individuals who have made significant contributions to the initiation, organization, implementation and/or management of activities with significant United States involvement that includes extensive international cooperative activities in space, aeronautics or both.

**Deadline(s): 01/10/2008**


---

**American Institute of Aeronautics & Astronautics**

Program Number: 76475

Title: Jeffries Aerospace Medicine and Life Sciences Research Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for outstanding research accomplishments in aerospace medicine and space life sciences.

**Deadline(s): 01/10/2008**


---

**American Institute of Aeronautics & Astronautics**

Program Number: 76476

Title: Plasmadynamics and Lasers Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for outstanding contributions to the understanding of the physical properties and dynamical behavior of matter in the plasma state and lasers as related to need in aeronautics and astronautics.

**Deadline(s): 01/10/2008**


---

**American Institute of Aeronautics & Astronautics**

Program Number: 76477

Title: Propellants and Combustion Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for outstanding technical contributions to aeronautical or astronautical combustion engineering.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76478
Title: Public Service Award
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
Program URL:
http://www.aiaa.org/content.cfm?pageid=401
An award honors a person outside the aerospace community who has shown consistent and visible support for national aviation and space goals.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76479
Title: Structures, Structural Dynamics and Materials Award
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
Program URL:
http://www.aiaa.org/content.cfm?pageid=401
An award is presented to an individual who has been responsible for an outstanding recent technical or scientific contribution in aerospace structures, structural dynamics or materials.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76480
Title: Survivability Award
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
Program URL:
http://www.aiaa.org/content.cfm?pageid=401
An award is presented to recognize outstanding achievement or contribution in design, analysis implementation and/or education of survivability in an aerospace system.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76481
Title: Sustained Service Award
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
Program URL:
http://www.aiaa.org/content.cfm?pageid=401
An award is presented to recognize sustained, significant service and contributions to AIAA by members of the Institute.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76482
Title: Theodore W. Knacke Aerodynamic Decelerator Systems Award
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
Program URL:
http://www.aiaa.org/content.cfm?pageid=401
An award is presented to recognize significant contributions to the effectiveness and/or safety of aeronautical or aerospace systems through development or application of the art and science of aerodynamic decelerator technology.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76483
Title: Thermophysics Award
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
Program URL:
http://www.aiaa.org/content.cfm?pageid=401
An award is presented for an outstanding singular or sustained technical or scientific contribution by an individual in thermophysics, specifically as related to the study and application of the properties and mechanisms involved in thermal energy transfer and the study of environmental effects on such properties and mechanisms.
Deadline(s): 01/10/2008
Link to full program description:

American Institute of Aeronautics & Astronautics
Program Number: 76484
Title: von Kármán Lectureship in Astronautics
E-mail: carols@aiaa.org
Web Site: http://www.aiaa.org/content.cfm?pageid=289
The award recognizes an individual who has performed notably and distinguished himself/herself technically in the field of astronautics.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**

Program Number: 76486

Title: Wyld Propulsion Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for outstanding achievement in the development or application of rocket propulsion systems.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**

Program Number: 80272

Title: Durand Lectureship for Public Service

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

An award is presented for notable achievements by a scientific or technical leader whose contributions have led directly to the understanding and application of the science and technology of aeronautics and astronautics for the betterment of mankind.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**

Program Number: 91148

Title: Aerospace Communications Award

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

The Aerospace Communications Award is presented for an outstanding contribution in the field of aerospace communications.

**Deadline(s): 01/10/2008**


**American Institute of Aeronautics & Astronautics**

Program Number: 93803

Title: Wright Brothers Lectureship in Aeronautics

E-mail: carols@aiaa.org

Web Site: [http://www.aiaa.org/content.cfm?pageid=289](http://www.aiaa.org/content.cfm?pageid=289)

Program URL: [http://www.aiaa.org/content.cfm?pageid=401](http://www.aiaa.org/content.cfm?pageid=401)

The sponsor provides funding for a lectureship emphasizing significant advances in aeronautics by recognizing major leaders and contributors.

**Deadline(s): 01/10/2008**

**DEADLINE NOTE**

This lectureship is presented biennially (in odd numbered years) at the AIAA Aerospace Sciences Meeting.