



# AUSTRALIAN NUCLEAR ASSOCIATION INC

PO BOX 472, ENGADINE, NSW 2233

ABN 70 788 504911

*Member of the Pacific Nuclear Council*

*Member of the International Nuclear Societies Council*

*Affiliate Member of the World Nuclear Association*

## ANA 2011 CONFERENCE

Friday, 7 October 2011

Sydney Mechanics School of Arts, 280 Pitt St, Sydney, NSW

### ***THEME: The Future for Nuclear Science & Technology***

The ANA's 9<sup>th</sup> biennial conference will provide a timely update on progress on many aspects of the peaceful uses of nuclear science and technology. Nuclear science and technology continue to have increasing application in industry and research and the OPAL reactor is now an established source of neutrons. Nuclear power is a mature technology used in many countries to produce economic baseload electricity with very low carbon emissions. There has been a revival of interest nuclear electricity in the past few years with a marked increase in the number of reactors under construction and planned. This Conference will be a timely opportunity to review how Japan's nuclear emergency might affect the long term future for nuclear power.

**Program:** The program will comprise invited speakers and a panel discussion on opportunities and challenges for a nuclear future for Australia and the World.

Topics include:

- ***The OPAL Research Reactor - its status, achievements and future***  
Dr Greg Storr, General Manager, Reactor Operations, ANSTO
- ***The Fukushima Incident and Consequences***  
Mr Tony Irwin, Engineers Australia
- ***Nuclear Power Development after Fukushima***  
Dr Ron Cameron, OECD-NEA, Paris
- ***The Future for In-situ Recovery (ISR) Uranium Mining***  
Mr Aden McKay, Geoscience Australia
- ***Progress on Radioactive Waste Management in Scandinavia***  
Dr Carl-Magnus Larsson, ARPANSA
- ***AINSE's Future in Nuclear Science and Technology***  
Prof Bruce King, President, AINSE

**ANA 2011 is supported by**

ANA

ANSTO

AINSE Ltd

Nuclear  
Engineering Panel,  
Engineers  
Australia

A panel session in the afternoon with selected speakers will enable a range of topics in nuclear science and technology to be discussed.

Updates on the program will be available on the ANA website at [www.nuclearaustralia.org.au](http://www.nuclearaustralia.org.au).



## Australian Nuclear Association (ANA2011) Conference

### *THE FUTURE FOR NUCLEAR SCIENCE & TECHNOLOGY*

7 October 2011

Sydney Mechanics School of Arts, 280 Pitt St, Sydney, NSW

### Provisional Program (1 Sep 2011)

**08.00** Registration Desk Opens, tea/coffee available

**09.00 Opening Session**

- (1) Opening by Conference Chairman
- (2) Dr Adi Paterson representing the Federal Minister for Innovation, Industry, Science and Research – *Opening Address*
- (3) Dr Greg Storr, General Manager, Reactor Operations, ANSTO – *The OPAL Research Reactor- its status, achievements and future* (25 min + 5 min questions)
- (4) Prof Michael James, ANSTO Bragg Institute – *Neutron Scattering at OPAL: Scientific highlights and next generation instrumentation* (20 min)

**10.20 Break for Tea/Coffee**

**10.50 Session 2**

- (5) Mr Tony Irwin, Chairman, Nuclear Engineering Panel, Engineers Australia – *The Fukushima Incident and Consequences* (25 min + 5 min questions)
- (6) Dr Ron Cameron, OECD NEA, Paris – *Nuclear Power Development after Fukushima* (25 min + 5 min questions)
- (7) Mr Aden McKay, Geoscience Australia – *The Future for In-Situ Recovery (ISR) Uranium Mining* (25 min + 5 min questions)
- (8) Dr Ron Cameron, OECD NEA, Paris – *Supply of Medical Radioisotopes – the Path to Reliability* (10 min)

**12.30 Buffet Lunch**

**13.30 Session 3**

- (9) Dr Carl-Magnus Larsson, ARPANSA – *Progress on Radioactive Waste Management in Scandinavia* (25 min + 5 min questions)
- (10) Dr Ondrej Muransky, ANSTO Materials Engineering – *The role of advanced weld modelling in ensuring the structural integrity of welded plant in the nuclear industry* (20 min)
- (11) Dr Dioni Cendón, ANSTO Environmental Science – *Isotopes in the Hydrological Cycle* (20 min)
- (12) Dr Paul Callaghan, ANSTO Life Science – *PET Imaging of neuroinflammation: Preclinical imaging of disease progression in epilepsy and other neurological disorders* (20 min)

**15.00 Break for Tea/Coffee**

**15.30 Session 4**

- (13) Prof. Bruce King, President, AINSE – *AINSE's Future in Nuclear Science and Technology* (25 min + 5 min questions)
- (14) **Panel Discussion** Moderated by the Conference Chairman with selected speakers to discuss a range of topics in nuclear science and technology.

**17.00-18.00 Post-Conference discussion/networking with drinks with snacks**



# Australian Nuclear Association 2011 Conference

Friday, 7 October 2011

Sydney Mechanics School of Arts,  
280 Pitt St, Sydney, NSW

## Registration Form

post to: ANA, PO Box 472, Engadine, NSW 2233  
or email details to: [ana.info@optusnet.com.au](mailto:ana.info@optusnet.com.au)

**Costs:** The standard Conference fee for registration before Friday, 23 September, will be \$200 or \$100 for students and retired ANA Members. Late registrants will attract a \$40 surcharge. The conference fee includes a conference handbook, morning tea, lunch and post-Conference refreshments. No GST is payable for registration for this conference.

Name: .....

Preferred name on tag: .....

Affiliation: .....

Address: .....

.....

Contact details (phone and email preferred) .....

.....

### Registration fee:

Standard Registration	(\$200)	.....
Student	(\$100)	.....
Retired ANA Member	(\$100)	.....
Late fee after 23 September	(\$40)	.....
<b>Total</b>		.....

### Payment Options:

**Cheque or Money Order** made payable to Australian Nuclear Association Inc and posted to: Hon. Treasurer, ANA, PO Box 472, Engadine, NSW 2233.

**Credit Card (Visa or Mastercard only)** Amount: .....

Card Number: ..... / ..... / ..... / ..... Expiry Date: ..... / .....

Name on Card: ..... Signature: .....

**Direct bank transfer:** Please put your name on the transfer and advise ANA of transfer (email address: [ana.info@optusnet.com.au](mailto:ana.info@optusnet.com.au))

Account name: Australian Nuclear Association Inc  
BSB: 062 218 Account Number: 1006 8524 Branch: CBA Oatley NSW

**Students** - please have this form countersigned by a member of the student's organisation,  
Signature..... Organisation .....