



*The Australian Institute of Physics – NSW Branch & the
Australian Nuclear Science and Technology Organisation*

Joint Meeting and Public Lecture at ANSTO

Speaker: Mr John Carlson

Consultant, former Director General, Australian Safeguards and Non-Proliferation Office (ASNO)

Topic:

**“NUCLEAR POWER FOR AUSTRALIA -
OUTLINE OF THE KEY ISSUES”**

Tuesday 17th May 2011

At the

ANSTO Visitor Centre, New Illawarra Rd, Lucas Heights
(see attached Visitor Centre directions for further details)

Entrance is Free for Tour and Lecture!

Program:

- 6.00pm: Tour of OPAL, ANSTO's Research Reactor and the Neutron Guide Hall
- 7.00pm: Refreshments & Lecture with Mr John Carlson
- 8.00pm: Optional Dinner with the Speaker at the ***ANSTO Café is \$45 per person.***
RSVP is required by due date.

RSVP: ***Friday 13 May*** by calling [02 9717 3090](tel:0297173090) or emailing tours@ansto.gov.au





Speaker: **Mr John Carlson**

John Carlson held the statutory position of Director General, Australian Safeguards and Non-Proliferation Office from 1989 to 2010. He was Chairman of SAGSI (the IAEA's Standing Advisory Group on Safeguards Implementation) from 2001 to 2006. He was a Member of the Advisory Board of the International Commission on Nuclear Non-Proliferation and Disarmament, which reported in 2009, and is the founding Chair of the Asia-Pacific Safeguards Network.

John is a member of the Advisory Council of the International Luxembourg Forum, and of VERTIC's International Verification Consultants Network. He is also a Visiting Fellow at the Lowy Institute. He is counsellor to NTI (the Washington-based Nuclear Threat Initiative) on nuclear non-proliferation, disarmament and verification issues, and is a consultant to others on these issues.

John is a Fellow of the Institute of Nuclear Materials Management, and recipient of the Institute's Distinguished Service Award. He is also a recipient of the Australian Nuclear Association's Annual Award (2008).



Lecture Overview:

Nuclear power for Australia has been under discussion since the 1950s. The closest this came was the Jervis Bay project, which was abandoned in 1971 on cost grounds. Today, concern about the global consequences of growing greenhouse gas emissions has led to renewed interest in nuclear power around the world. Australia is one of the world's highest per capita CO₂ emitters. At the same time, Australia's uranium exports enable other countries to avoid CO₂ emissions approaching Australia's total emissions from all sources. Australia cannot continue to exclude the possibility of nuclear power as part of our energy mix. But nuclear power cannot proceed without bipartisan political support – this in turn requires informed public discussion. There needs to be a dispassionate look at the facts, including a comparative cost/benefit analysis with alternative low-carbon energy sources. This presentation will outline key issues for consideration in deciding the place of nuclear power in Australia's energy future.

Event supported by: Australian Nuclear Science and Technology Organisation

