

AUSTRALASIAN RADIATION PROTECTION SOCIETY 35TH CONFERENCE PUBLIC LECTURE

Master of Ceremonies: Mark Chalmers,
Director, Uranium Associates Pty Ltd

Hilton Hotel Adelaide
South Australia
Monday 18 October 2010
6.30pm–7.30pm



CLIMATE CHANGE AND NUCLEAR POWER

KEYNOTE SPEAKERS

Dr Ziggy Switkowski

Chair, Australian Nuclear Science and Technology Organisation



The world is experiencing a strong warming trend believed to be driven by greenhouse gas emissions associated with the burning of fossil fuels for energy production. Australians' demand for electricity, and energy in general, is expected to double by 2050. The challenge is to moderate and meet this growing demand in an environmentally responsible way. Nuclear power is already widely used around the world and the debate for its deployment in Australia is well underway.

Dr Ziggy Switkowski's presentation will review the nuclear fuel cycle in the context of low emission energy technology and point to the potential role of nuclear power in Australia's energy and climate change strategy.

Professor Barry W Brook (PhD)

Sir Hubert Wilkins Chair of Climate Change

Director of Climate Science, The Environment Institute



If nuclear power is to be the principle energy solution for tackling climate change – in Australia and worldwide – it must satisfy a number of fundamental criteria: low-carbon footprint, effective waste management, long-term sustainability, reliability, safety and economy. Although the current generation of nuclear power reactors already tick most of these boxes, the ultimate flourishing of nuclear power as a perpetual energy source for humanity will require a transition to a closed-fuel cycle, in which virtually all of the energy in uranium and thorium is used.

Professor Barry Brook will discuss some of the key technologies that will likely underpin this next-generation revolution in atomic energy, and chart a possible course for their development and deployment over the next 40 years.

This is a FREE Public Lecture

To register your attendance and for further information on the ARPS Conference please email conference@leishman-associates.com.au