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**DR. ZIGGY
SWITKOWSKI**

Australian Nuclear Science and
Technology Organisation

**NUCLEAR ENERGY
THE PERSPECTIVE
IN 2009**

**Thursday, 11th June 2009
7.00pm**

**The Royal Society of Victoria
8 La Trobe Street
Melbourne**

Joint Lecture of

**The Royal Society of
Victoria**

And

**Australian Institute of
Physics (Victoria)**

**Pre-Lecture Refreshments from 6.30pm
Cost of refreshments \$20 pay on the night
RSVP essential by 12 noon 9th June 2009**

to

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Nuclear Power – the Perspective in 2009

With climate change emerging as a critical global issue, there has been renewed interest in the use of nuclear reactors for the production of electricity with near zero greenhouse gas emissions. The civilian nuclear power industry is now more than 50 years old and its 440 reactors provide some electricity to two-thirds of the global population in 31 countries. Several other countries are considering introducing nuclear power and outside of burning fossil fuels and hydroelectricity, no other technology can deliver baseload electricity reliably and cost effectively.

For the time being, Australia has rejected deployment of nuclear energy. Community attitudes remain polarized with concerns about spent fuel management and the creation of longlived radioactive waste. The government's long term energy strategy requires success with carbon capture and storage, supercharged growth in renewables, and moderating demand through conservation – a risky set of expectations.

Dr. Switkowski's presentation will trace the growing importance of nuclear technology around the world, examine the concerns with its use, and conclude that nuclear power cannot be excluded if Australia is to meet its energy and climate change targets.