



# IEEE

## IEEE South Australia Section

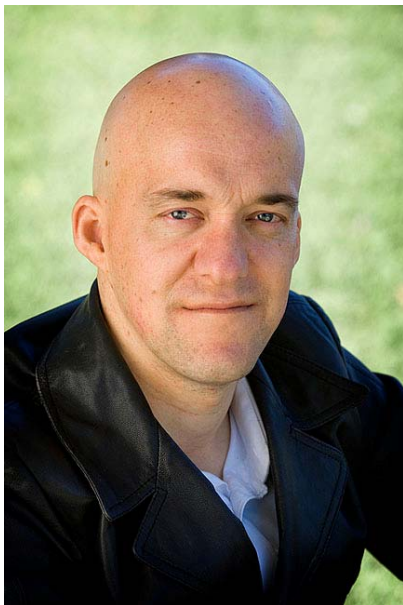
### Annual Distinguished Lecture and Dinner

The IEEE South Australia Section Committee invites you and your partner to the Annual Dinner and Lecture:

## Climate Change Mitigation – What Sustainable Energy Technologies will Triumph?

**Professor Barry Brook - Sir Hubert Wilkins Professor of Climate Change**  
Director of Climate Science - The Environment Institute, The University of Adelaide

(see overleaf for details)



Date: 25 November 2009

Time: Pre-dinner Drinks 6:00 pm - 7:00 pm  
Dinner & Lecture 7:00 pm - 10:00 pm

Venue: Adelaide Pavilion  
Corner of South Terrace and Peacock Road, Adelaide

### Three Course Dinner and Drinks

RSVP: Remove the slip below and return completed  
to IEEE SA Section by 18th November 2009

Dress Code: Neat Casual

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone/Email \_\_\_\_\_

Special dietary requirements \_\_\_\_\_

Method of payment  Cheque  Cash  Visa  MasterCard

Credit Card # \_\_\_\_\_

#### 2009 Annual Lecture and Dinner

Sign up for:	Price
<input type="checkbox"/> IEEE Member	\$50
<input type="checkbox"/> Member's partner. Name: _____	\$50
<input type="checkbox"/> Non-member	\$70
<input type="checkbox"/> Non-member's partner. Name: _____	\$70
<input type="checkbox"/> IEEE Student Member	\$30
<input type="checkbox"/> Student member's partner. Name: _____	\$30

Total: \_\_\_\_\_

All prices include GST.

Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

**Return to:**  
IEEE SA Section  
PO Box 53  
Elizabeth SA 5112

Phone: (08) 8259 6875

Fax: (08) 8259 5254

E-mail: [south.australia@ieee.org](mailto:south.australia@ieee.org)



## IEEE South Australia Section Annual Lecture

### *Climate Change Mitigation – What Sustainable Energy Technologies will Triumph?*

#### **Professor Barry Brook**

Sir Hubert Wilkins Professor of Climate Change  
Director of Climate Science - The Environment Institute  
The University of Adelaide

Climate change one of a number of severe symptoms of an energy crisis, caused by our deep dependence on carbon-intensive energy sources. How might 21<sup>st</sup> century society mitigate climate change, allow for energy growth in the developing world, and eliminate our use of fossil fuels? The two often-discussed alternatives energy sources are ‘renewables’: solar thermal, solar PV, wind, wave, tidal, biomass [plus geothermal], and nuclear energy (fission or fusion). In this talk, Prof Brook will consider the scale of the energy replacement challenge from 2010 to 2050, and provide a critical appraisal on the relative prospects for renewable and nuclear power in securing a long-term ‘sustainable’ energy supply – both for Australia and worldwide.

#### **Professor Barry Brook**

Professor Barry Brook holds the Foundation *Sir Hubert Wilkins Chair of Climate Change* at the University of Adelaide. He has published two books and over 150 peer-reviewed scientific papers, and regularly writes opinion pieces and popular articles for the media. He has received a number of distinguished awards in recognition of his research excellence (including the Australian Academy of Science Fenner Medal). His focus is on climate change, computational and statistical modelling, systems analysis for sustainable energy, and the synergies between human impacts on Earth systems.