



School of Mathematical Sciences
2008 Seminar Series

Greenhouses gases and the terrestrial carbon cycle — predicting its behaviour

Speaker: Professor Peter Grace

Date: Friday 12 September

Time: 3:00 PM

Location: O603, Gardens Point Campus, Queensland University of Technology

Following the seminar, light refreshments will be served in the School of Mathematical Sciences Staff Room (O614).

Abstract: Ensemble modelling approaches have been used to reduce the uncertainty surrounding the production and impacts of greenhouse gas emissions on global warming. Whilst it does lead to convergence in outputs, it may also lead to a convergence in the science and lack of innovation and new insights. An examination of the soil carbon and nitrogen cycles and their role in the global warming debate is provided.

Biography: Peter Grace is Professor of Global Change and Director of the Institute for Sustainable Resources at Queensland University of Technology (QUT). He is an agricultural scientist specialising in soil-plant-atmosphere interactions, with a particular emphasis on carbon and nitrogen cycling and greenhouse gas emissions. He is internationally recognized for his work in the mitigation and adaptation of climate change in agricultural systems of Australia, the Americas, Africa, and Asia and is a reviewer for the Intergovernmental Panel for Climate Change (IPCC). From 1998-2001, he held one of the most senior roles in climate change in the developing world, as Lead Scientist-Climate Change for the Consultative Group for International Agricultural research (CGIAR) under the auspices of the World Bank and FAO.

Presented by the School of Mathematical Sciences, QUT

2 George Street, GPO Box 2434 Brisbane, Qld 4001 AUSTRALIA

Phone 07 313 82308, Fax 07 313 82310, <http://www.maths.qut.edu.au>

For more information, please contact Tim Moroney, 313 82262 or <mailto:t.moroney@qut.edu.au>