

## SEMINAR INVITATION



## Climate Change Issues for Local Councils in NSW – Scientific and Practical Applications

From land use to the built environment, how will climate change affect you? What does local government need to consider and how can you be prepared? As leading experts in their fields, our speakers will discuss the impacts of climate change on coastal and inland Councils in NSW and appropriate adaptation and mitigation strategies.

**When:** Friday 13 August 2010  
2.00pm – 4.30pm

**Where:** UNSW CBD Campus  
Level 6, 1 O'Connell  
Street SYDNEY NSW 2000

**Cost:** \$39 (inclusive GST)  
Refreshments and afternoon tea  
included.

### KEY TOPICS

- ◆ Professor James Goff "Risk assessment and disaster risk reduction for local councils – some examples and methods"
- ◆ Professor Carmichael will speak in his capacity as the Convenor of the Sustainable Engineering Systems Initiative, on the implications and implementation of sustainability principles and practice in infrastructure for local government.
- ◆ Professor Prasad's presentation will provide an insight into low carbon buildings, cities and communities of the future.
- ◆ Dr Evans will focus on high resolution climate projections to address local issues.

## MEET THE SPEAKERS



### Professor James Goff

James is the Co-Director of the Natural Hazards Research Laboratory and Australian Tsunami Research Centre at UNSW. He is an expert in natural hazards, particularly tsunamis, including geology, geomorphology, numerical modeling, hazard, risk and vulnerability assessment, disaster and emergency management, community education and awareness. He has worked extensively with the New Zealand and Australian federal and state agencies on natural hazard risks (climate and tectonic), vulnerability, mitigation, and risk reduction projects as well as community vulnerability, resilience and adaptation to climate change, for example, in partnership relationships with Australian state agencies for development of programs exploring public risk perception; as a Technical Advisor on tsunami issues to Australian state agencies and on landslide and flood hazard for state governments in Canada. He also regularly undertakes research and consulting initiatives with key Australian federal and states agencies, has been a key contributor on tsunami hazard and risk assessment for overseas governments, and acted as Expert witness on natural hazards for state and federal agencies in NZ environment court. He has worked extensively with New Zealand state-equivalent councils on tsunami and storm hazards risk, and model predictions for 50 and 100 year sea level rise scenarios, provided advice on coastal strategies for set-back and future development scenarios. He was also the New Zealand government advisor on Restricted Coastal Development Activities

His international experience includes working on tsunamis, earthquakes, cyclones (and hurricanes), volcanic eruptions, river floods, glacial outbursts, fires, and landslides in Australia, the Antarctic, New Zealand, Indonesia, Thailand, Sri Lanka, the Maldives, Papua New Guinea, Fiji, Tonga, Vanuatu, Hawaii and Pacific Northwest - USA, Canada, UK, France, Greece, Belize, and Wallis and Futuna. James is an Adjunct Professor at the University of Hawaii, Visiting Professor at Arizona State University, Research Associate at the University of Auckland, and "Scientist-in-Residence" at the Pacific Tsunami Museum, Hawaii.

Professor Goff's presentation will focus on "Risk assessment and disaster risk reduction for local councils – some examples and methods".

### Professor David Carmichael

David is Professor of Civil Engineering and former Head of the Department of Engineering Construction and Management at the University of New South Wales. He is also the Convenor for the Sustainable Engineering Systems Initiative (SESI) at UNSW. He has broad and extensive experience in project management, construction management, engineering/technology management, infrastructure management and systems studies/operations research. He has undertaken major consultancies in the planning and programming of engineering projects; the administration and control of engineering projects and contracts; the design and analysis of civil and building structures; and various construction and building related commissions. Clients have included civil, structural and mining engineers and consultancies; civil and building contractors; builders; architects; material suppliers; government authorities; claims, management and education consultants; and solicitors. David is the author and editor of twenty-one books and over one hundred papers in systems engineering and construction and project management. His current research is focused on: Project feasibility studies allowing for uncertainty and options; Climate change, carbon and sustainability issues and infrastructure; Business and company performance and failures; Contractual claims analysis; Project performance reporting; Overstaffing and understaffing of organisations and projects; Modelling and analysis of construction, quarrying and mining operations; The development of quantitative models to assist the decision making processes of professionals and productivity improvement.

Professor Carmichael will speak in his capacity as the Convenor of the Sustainable Engineering Systems Initiative, on the implications and implementation of sustainability principles and practice in infrastructure for local government.

## Professor Deo Prasad

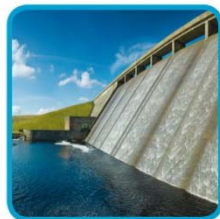
Deo is an internationally renowned expert on sustainable buildings and cities. He sits on numerous international Boards and Advisory Committees in this field and has made substantial contributions to the field of green buildings research in Australia and overseas. Deo is a consultant to a number of cities in the Asia Pacific region on sustainability matters through his work for the special committee of UNEP. He is currently convening a White Paper on sustainable cities for the UNEP. He has worked on some milestone projects such as Australia's first solar village (design, development, monitoring and validation studies), energy efficiency options for the Kogarah Town Square redevelopment, development and scientific validation of computer simulation tools for energy performance prediction in buildings and related green building assessment tools, advanced performance simulation of buildings using complex modelling software, consultant on a number of Green Olympics projects, Australian Greenhouse Office Baseline Study for GHG Emissions from Non-Residential Building Sector. Deo has published in excess of 180 key publications on the subject including six books and numerous chapters in books. Deo has been Director of the UNSW Centre for a Sustainable Built Environment (SOLARCH) for the past 15 years and teaches sustainability courses within the Faculty of the Built Environment at UNSW. Deo is currently leading a major study exploring the relationship between green buildings, IEQ, user satisfaction and commercial returns in office buildings in Australia.

Prof Prasad's presentation will provide an insight into low carbon buildings, cities and communities of the future.

## Dr Jason Evans

Jason is a Senior Research Fellow at the Climate Change Research Centre at the University of New South Wales. His expertise lies in investigation regional climate and water resources through the development and application of modelling tools such as regional climate models, land surface and hydrology models. His current research is focused on the regional impacts of changes in climate - both past and future - and the strength of the interaction between the land surface and atmosphere. His expertise also extends to water quality research; hydrological modelling; land surface/atmosphere interaction modelling; climate change impacts; land use change impacts and integrated water resource assessment and management. Dr Evans is the chair of the Murray-Darling Basin Regional Hydroclimate Project, which is part of a project run by the World Climate Research Programme (WCRP).

Jason's presentation will focus on high resolution climate projections to address local issues.





## REGISTRATION FORM & TAX INVOICE CLIMATE CHANGE ISSUES FOR LOCAL COUNCILS IN NSW

Date: Friday 13 August 2010  
Payment: \$39 (inclusive of GST)  
Time: 2:00 – 4:30pm  
Venue: UNSW CBD Campus, 1 O'Connell Street SYDNEY (confirmation upon receipt)

### TO REGISTER

To confirm your booking, fax the completed registration form to 1800 241 367  
Alternatively, post to Consulting and Expert Opinion Services PO Box 6666 UNSW, 1466

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