

## MSI Seminar Series

# Assisting integrated catchment management for water resources: Case studies from the Asia-Pacific

**Dr Terence Chan**

Monash Sustainability Institute & Water Studies Centre in the Faculty of Science

1:00–2:00 pm, Thursday, 4th November 2010  
Monash Sustainability Institute, Building 74, Clayton

All welcome. No RSVPs necessary.

### Summary

This seminar will describe some of the methods which the Monash Sustainability Institute and the Water Studies Centre have developed to assist in water resource management. In particular, we discuss the use of interdisciplinary research and risk assessment to help integrate management of catchments, including stakeholder engagement and participatory processes, the introduction of quantitative Bayesian network modeling concepts and support to decision-makers, and adaptive management in a variety of contexts in previous and current research projects around Australia and in the Asia-Pacific region.

### Bio

Dr Terence Chan is a Research Fellow at the Monash Sustainability Institute and concurrently at the Water Studies Centre in the Faculty of Science. He has bachelors degrees in science and in engineering, and a PhD in Environmental Engineering from the University of Western Australia. At present, his research interests include improving water resource management with interdisciplinary, integrated and catchment-based participatory processes; numerical modelling and Bayesian techniques; ecological risk assessment; environmental flows, and aquatic ecology.