



## ICE WaRM Seminar Series

ICE WaRM presents a free short seminar

# Water Problems and Solutions: An Indian perspective

The International Centre of Excellence in Water Resources Management (ICE WaRM) is proud to host leading researcher Associate Professor Ashu Jain to present a free seminar on "Water Problems and Solutions: An Indian Perspective". Associate Professor Jain is visiting South Australia for 3 months to undertake research with The University of Adelaide, funded through the ICE WaRM International Liaison Programme.

**WHEN** Friday June 20, 4.15pm - 5.30pm

**WHERE** Star and Market Rooms, Radisson Hotel,  
Liverpool St, SYDNEY

Registration for this seminar is required.  
Please RSVP to Amber Welk at:  
[awelk@icewarm.com.au](mailto:awelk@icewarm.com.au)

### SEMINAR SCHEDULE

4:15pm ICE WaRM Introduction

4:20pm-5:00pm "Water Problems and Solutions: An Indian Perspective"  
Associate Professor Ashu Jain  
Indian Institute of Technology Kanpur

Dr Ashu Jain is currently an Associate Professor in the Department of Civil Engineering at the Indian Institute of Technology, Kanpur. He has previously carried out research at the University of Leeds in the UK and the University of Kentucky in USA. Research interests include rainfall-runoff modelling, water resources management, artificial intelligence, genetic algorithms and chaos in hydrology.

Summary:

India receives 50% of its annual rainfall in fifteen days and more than 90% of river flows occur in four monsoon months. India experiences floods and droughts at the same time in its different parts. The highly uneven spatio-temporal variation in water availability in India poses the biggest challenge to solve its water problems and cater to the water needs of a billion people. A glimpse of the issues, challenges, and possible solutions for water related problems in India will be presented. How the technological advancements made in recent times, traditional methods of rainwater harvesting, community participation, and proper co-ordination among various stake-holders can augment the water management in diverse conditions will be illustrated through some case studies.

5:00pm-5:30pm Refreshments