



ICE WaRM Seminar Series

Upcoming Seminars

ICE WaRM Presents a free short seminars

The International Centre of Excellence in Water Resources Management (ICE WaRM) is proud to host leading researchers Professor Barbara Lence and Professor Tsair-Fuh Lin to present two free short seminars.

The visiting researchers are being hosted by The University of Adelaide and the Australian Water Quality Centre respectively.

WHEN Friday 18 July, 4-5.30pm
Monday 21 July, 4.15-5.30pm

WHERE The Australia Asia Water Centre,
Level 4, 77 Grenfell Street, Adelaide

Registration for these seminars is required.

Please RSVP to Audrey at :
ahankinson@icewarm.com.au

Should you have any queries please call
8236 5200.

SEMINAR SCHEDULE

18 July 2008 4pm-5pm	"Data Assessment and Other Approaches for Improving Asset Management of Small and Medium Size Water Utilities" Professor Barbara Lence University of British Columbia
21 July 2008 4:15pm-5pm	"Introduction to Drinking Water Research at National Cheng Kung University in Taiwan" Professor Tsair-Fuh Lin National Cheng Kung Univeristy

Refreshments will be provided for 30mins following each seminar



ICE WaRM Seminar Series

Professor Barbara Lence is a professor at the University of British Columbia in the Civil Engineering Department where she teaches water resources engineering, design and decision-analysis. Her current research focuses on: developing operational strategies for water supply systems; reliable treatment strategies for surface water supply systems; asset management strategies for water utilities with limited break data and the impact of climate change on urban catchments. Dr. Lence received her doctorate in Civil Engineering from the University of Illinois at Urbana-Champaign.

Data regarding water main breaks are essential for undertaking informed and effective infrastructure asset management. Here we report on findings of a survey regarding water main break data collection practices across North America and develop an approach for constructing databases and integrating these data with break prediction models to improve the asset management practices of utilities. The survey determines the amount and type of data collected by water utilities, the level of comfort with the amount of data collected and the availability of alternate sources of data. The responses provide insight into the strategies and data collection practices of small to mid-size utilities and show that the amount of data collected by utilities can be classified by the degree of data richness and defined as either an expanded, intermediate, limited or minimal data set.

Tsair-Fuh Lin is a Professor in the Department of Environmental Engineering at National Cheng Kung University in Taiwan. His research interests focus on two areas, identification and treatment of algal metabolites in drinking water, and development of novel treatment techniques for contaminated ground water. Since completed his PhD training from University of California at Berkeley in 1995, Tsair-Fuh has been working at NCKU till now. In the last few years, Tsair-Fuh has developed strong cooperation with Australian Water Quality Centre, as well as several research teams in China and US.

This talk will introduce the research focuses and outcomes of a newly formed Water Quality Research Center at National Cheng Kung University (NCKU) in Taiwan. Although the center was established only in late 2007, the University has an extensive record of water research by the participating faculty members over the past 10-20 years. The center is interdisciplinary and across a range different colleges and departments at NCKU. The expertise includes water quality engineering, analytical chemistry, environmental/molecular biology, remote sensing, and public health. The center is focusing on several research areas, including source water quality characterization and control, reservoir water quality monitoring and management, water treatment technology, water recycling, and international training and education.
