

# 2012



International Centre of Excellence in  
Water Resources Management  
ICE WaRM



## Australian Water School

This comprehensive 3-day course covering water resources in Australia, will provide participants with an overview of the current technical, economic, environmental, legislative and social issues associated with water in Australia.

### 2012 Dates and Locations:

- Adelaide 21 - 23 Feb  
Stamford Plaza, 150 North Terrace
- Adelaide Wed 1 - Fri 3 August  
Venue TBC, city central location

### Who should attend:

- Technical professionals who have recently joined the water industry
- Non-Water Professionals from other sectors
- Commonwealth, state and local government staff and consultants

### What's included?

- Presentations by experienced water professionals
- Case studies and module overviews from guest presenters
- Comprehensive course notes in hard copy and CD
- Activities and discussions
- Networking with other new water industry professionals
- Small group sizes to allow greater interaction
- Lunch and mid session breaks

### Course Chairs:



#### Paul Dalby, In Fusion Consulting

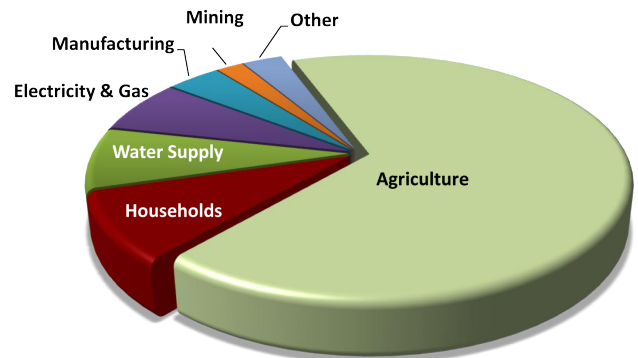
Paul is a leading innovator in connecting science, policy and community together to drive innovation in improved management of water, natural resources and agriculture. He is an experienced practitioner and presenter and currently the Living Laboratories Manager. Paul is also a Director on the Board of a number of companies, all of which profit from improving the environment.



#### Paul Harvey, Leda Consulting

Paul has more than 30 years experience in water resources policy. He has widespread experience and knowledge in the development and implementation of policies and strategies for groundwater and surface water management, sharing and allocation of resources and for environmental protection. Paul has extensive involvement in major water resources and natural resources management programs.

All other presenters overleaf



Water Use in Australia

### Course Content includes:

- Sustainable Water Management  
*Water cycle, climate change impacts, sustainable use*
- Water Demand and Planning  
*Principles, supply security, water use across sectors, Australia and internationally*
- Water Processes  
*Hydrology, hydrogeology, surface water-groundwater interaction*
- Hydrodynamics and Water Quality
- Biological and Ecological Processes  
*Wetland processes, carbon fixation, nutrient cycling, exotic and pest species, catchment scale processes*
- Urban Water Supply Distribution and Treatment  
*Sources and storage, treatment processes, disinfection, distribution, alternative water sources, metering*
- Wastewater Treatment and Disposal  
*Physical and biological treatment processes, nutrient removal, industrial wastewater, environmental impacts*
- Innovation in Urban Water Management  
*Managed aquifer recharge, sewage and stormwater recycling, infiltration basins, integrated water systems*
- Field Trip or Planning Assignment
- Water Supplies for Agriculture and Mining  
*Irrigation, dryland agriculture, water in mining*
- Water Governance  
*Constitutional / jurisdictional, water law, institutional structures and responses, policy responses*
- Case Studies

# 2012



International Centre of Excellence in  
Water Resources Management  
ICE WaRM



## Australian Water School

### Presenters include:



#### **Gary Jones, eWater CRC (Opening Speech)**

*Gary is the Chief Executive of eWater Cooperative Research Centre (CRC) and of eWater Limited, and a Director of eWater Innovation Pty. Ltd, eWater's customer support arm. Professor Jones is also Chairman of the International Riverfoundation (IRF). Gary has extensive experience in real-world environment and water management. During 2003-4, he chaired the Living Murray Scientific Reference Panel for the Murray-Darling Basin Commission. He remains a trusted advisor to Commonwealth and State governments across Australia on matters related to water science and the environment.*



#### **Ian Prosser, CSIRO**

*Dr Ian Prosser is the Science Director for the Water for a Healthy Country Flagship Program in CSIRO. Ian has 20 years research experience on catchment hydrology and water quality, and is the editor and author of CSIRO's recently published book *Water: Science and Solutions for Australia*. Dr Prosser's research interests include: catchment hydrology and science for regional catchment management and large scale sediment transport and river geomorphology.*



#### **Russel Martin, Australian Groundwater Technologies**

*Russell has over 25 years experience as a Geologist and Hydrogeologist. He has extensive management and consulting experience in Australia, and is recognised as a technical specialist in the area of MAR. During his time as Manager of the Groundwater Group at the DWLBC he had positions on; the National Groundwater Committee, the Murray Darling Basin Groundwater Technical Committee and the State ASR Coordinating Committee.*



#### **Lionel Ho, SA Water**

*Lionel is a Senior Research Officer at SA Water Corporation. Lionel has 14 years experience in the water industry. He has expertise in areas including, water treatment, cyanobacteria and aquatic microbiology. Lionel is the Vice President and Chair of the AWA SA Branch Committee and sits on the Strategic Advisory Council of the Federal AWA. He also holds senior adjunct positions at Adelaide Uni and UniSA.*



#### **Peter Dillon, CSIRO**

*As a CSIRO Research Scientist, Dr Dillon has 25 years' research experience in surface water - groundwater interaction, groundwater quality protection from diffuse and point sources and agricultural water reuse. He was Director of the Centre for Groundwater Studies during its formative years, and coordinated the Australian Water Conservation and Reuse Research Program. He is the founding Chairman of the International Association of Hydrogeologists (IAH) Commission on MAR.*

### 2012 Dates and Locations:

- **Adelaide 21 - 23 Feb 2012**  
Stamford Plaza, 150 North Terrace
- **Adelaide Wed 1 - Fri 3 August**  
Venue TBC, city central location



#### **Kane Aldridge, The University of Adelaide**

*Kane is a limnologist with a broad interest in the biogeochemistry, primary productivity, algal/macrophyte ecology and the ecological functioning of stream, lake and estuarine ecosystems. Kane's research focuses on human-impacts upon natural inland water ecosystems and providing tools for better management of these systems. Much of Kane's research has been done in the Murray-Darling Basin, in particular the Lower Lakes and Coorong.*



#### **Justin Brookes, The University of Adelaide**

*A/Prof Justin Brookes, Director Water Research Centre, Adelaide University. Justin has broad research interests in limnology and water treatment with a primary focus on coupling between hydrodynamics, biology and water quality contaminants. He is a founding member of the management committee of the IWA Specialist Group on Lake and Reservoir Management and member of the Steering Committee for the Global Lakes Ecological Observatory Network.*



#### **Jenifer McKay, University of South Australia**

*Professor McKay has researched, taught, consulted on water resource management and law issues throughout Australia, India and the USA and is a part time Commissioner of the SA Environment, Resources and Development Court. In 2008, she worked on the United Nations Expo 2008, and held a senior Fulbright at Berkeley. Her future research will be on groundwater laws and policies for the National Centre of Excellence for Groundwater Research and Training and human rights in relation to water.*



#### **Daryl Stevens, ATURA**

*Daryl has worked extensively for the National Environmental Protection Council as Coordinator and Scientific Services for the Environmental Risk component of the Australian Guidelines for Water Recycling. Dr Stevens specialises in risk assessments using a range of modelling techniques. Dr Stevens has an excellent track record on the management and delivery of integrated research outcomes for Atura and with his previous employers: Arris Pty Ltd, University of Adelaide and CSIRO Land and Water.*



#### **Wayne Meyer, The University of Adelaide**

*Prof Wayne is an Irrigation, Crop and Resource Management Scientist. He has lead research in irrigation scheduling systems and facilities for studying crop response. In recent times his work has included; sustainable farming systems, precision agriculture techniques and modelling natural resource management systems. Prof Meyer was previously Deputy Chief and Business Director for CSIRO Land and Water, Chief Scientist and Interim CEO of the CRC Irrigation Futures and instigated the Lower Murray Landscape Futures (LMF) project.*

# 2012



International Centre of Excellence in  
Water Resources Management  
ICE WaRM



## Registration Form

Please complete and email: [training@icewarm.com.au](mailto:training@icewarm.com.au) or fax: 08 8236 5236

(This form constitutes a tax invoice once payment has been made.)

### COURSE DETAILS

Title: AUSTRALIAN WATER SCHOOL

Time: (3 Days) 8.30am - 5pm

Adelaide Tues 21-Thurs 23 February 2012 Stamford Plaza, North Terrace, Adelaide

Adelaide Wed 1 - Fri 3 August Venue TBC, city central location

### REGISTRATION DETAILS

Title: \_\_\_\_\_ First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Position: \_\_\_\_\_ Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Emergency phone, next of kin: \_\_\_\_\_

Email: \_\_\_\_\_

Dietary needs: \_\_\_\_\_

**PAYMENT DETAILS:** \$1,980 includes GST (3 days)

Discount (1 option only):

5% ICE WaRM Industry Affiliates, found at: [www.icewarm.com.au/IA](http://www.icewarm.com.au/IA),

Organisation name & member number: \_\_\_\_\_

10% ICE WaRM Partners, Partner name: \_\_\_\_\_

15% Full-time students, Institution name: \_\_\_\_\_

Group discounts are available by contacting us.

**Total Payment: \$** \_\_\_\_\_

1.  Electronic Funds Transfer: BSB: 035 006 Account No.: 194 889

Please use as Reference: Surname & 'WaterSchl'

2.  Cheque payable to: "WaterEd Australia" GPO Box 860, Adelaide SA 5001

3.  Please debit my:  Visa  Mastercard

Card number: \_\_\_\_\_

Expiry date: \_\_\_\_\_ Cardholder's name: \_\_\_\_\_

Signature: \_\_\_\_\_

Tailored ICE WaRM Short  
Courses enable:

- On-site delivery
- Significantly lower fees
- Convenient time & location
- Training whole team in one go

Contact Joel

T: +61 8 8236 5208

E: [training@icewarm.com.au](mailto:training@icewarm.com.au)

### THE FINE PRINT

For terms and conditions of ICE WaRM Short Courses please see [www.icewarm.com.au/fine-print](http://www.icewarm.com.au/fine-print)



An Australian Government Initiative