

2012 Conference Papers

The Irrigation Australia 2012 Conference & Trade Show was held in Adelaide, 24-29 June. The conference included an exciting mix of workshops, keynote addresses, networking and optional field trips.


Here you will find detailed conference papers and presentations which were given at the IAL 2012 Conference. If you cannot find the seminar listed please contact Irrigation Australia at info@irrigation.org.au.

View the full 2012 conference [Programme](#)

Key Topics for the 2012 Conference

- [Integrated Water Management](#)
- [Urban & Turf](#)
- [Integrated Water Management – Modernisation of Irrigation & Drainage](#)
- [Water for the Environment](#)
- [Drainage & Flood Management](#)
- [Agriculture](#)
- [Horticulture](#)

TUESDAY 26 JUNE 2012

OPENING & WELCOME						
HALL E						
8:45	9:30	Ian Atkinson - CEO, Irrigation Australia Peter Toome - Irrigation Australia Chair Karim Shiati - ICID Asian Region Chair				
9:30	10:00	Murray Darling Basin Plan Hon Jay Weatherill, Premier South Australia				
Keynote Address - Dr Gao Zhanyi, ICID President						
MORNING TEA						
HALL G						
		HALL A	HALL B	HALL C	HALL D	HALL E
11:00	12:30	SESSION 1 Integrated Water Management	SESSION 2 Urban & Turf	SESSION 3 IWM - Modernisation Of Irrigation & Drainage	SESSION 4 Water for the Environment	SESSION 5 Agriculture
						
11:00	11:20	Improving irrigation efficiency in the cotton industry – results of the irrigation efficiency trial undertaken by the Gwydir Valley Irrigators' Association Zara Farrell, Australia	Protecting and enhancing our irrigated urban landscapes Bhakti Devi	Australian Government investment in irrigation modernisation - both on and off farm Mary Harwood, Australia	Fertilised irrigation using energy-efficient forward osmosis for saline groundwater desalination in the Murray Darling Basin Ho Kyong Shon, Australia, Amit Chanan, Sherub Phuntsho	A novel technique to measure the total evaporation and its components during sprinkler irrigation Jasim Uddin, Australia, Rod Smith, Nigel Hancock, Joseph Foley
11:20	11:40	Water Pricing and Participatory Irrigation Management: Experiences and Lessons Learnt from Integrated Watershed Development Project in Jammu and Kashmir Falendra Kumar Sudan, India, Jennifer McKay	Delivering green space benefits: Irrigation planning implications Geoff Connellan, Australia	The State government approach to ensuring the long term viability of the Irrigated Farming Areas of Victoria Bryony Grice, Australia	Application of geochemical modelling to assess groundwater discharge of nitrogen from the lower Burdekin coastal plain aquifer Matthew Lenahan, Australia, Kiran Bajrachary, Keith Bristow	Choosing the Optimum Fields in Irrigation and Drainage Systems by Using the Arc Map Soft way, A Case Study in Shahriar Project Mojtaba Hamzeh, Iran, Asghar Rezaei
11:40	12:00	Lessons learned from water trading Phillip Grahame, Australia	Multi-Stream, Multi-Trajectory Nozzles; How they save water, labour and installation costs Jeff Kremicki, United States of America	Backbone channel to farm connections, people and engineering Neil Maher, Australia	Hydro-Economic decision support to enhance catchment management Bennie Grove, South Africa, Mehari Frezghi, Andrew Pott, Neil Leclre	Estimation of virtual water requirement according to targets of food self-sufficiency in Korea Jin-Yong Choi, South Korea, Seung-Hwan Yoo, Sang-Hyun Lee, Jeon-Bin Im
12:00	12:20	Assessment of Water Supply Capability in Agricultural reservoirs according to Climate Change NaYoung Park, South Korea, Jin-Yong Choi, Seung-Hwan Yoo, Sang-Hyun Lee, Dong-Koun Yun		Results of the Northern Victoria on-farm efficiency components Megan McFarlane, Australia	On-Farm Validation and Assessment of Water Productivity under Cauvery Command Area - Karnataka, India Dr P Ramana Gowda, India	Effect of Sewage Water Irrigation on Soil Particle Size Distribution in Different Irrigation Years Xiaoyan Guan, China, Zhanyi Gao, Shaoli Wang, Ye Lv
LUNCH						
HALL G						
		HALL A	HALL B	HALL C	HALL D	HALL E
14:00	15:30	SESSION 6 Drainage & Flood Management	SESSION 7 Urban & Turf	SESSION 8 IWM - Modernisation Of Irrigation & Drainage	SESSION 9 Water for the Environment	SESSION 10 Agriculture
14:00	14:20	The Evaluation of Land and sea level in attempts to control drainage system of tidal flood area in Semarang Slamet Imam Wahyudi, Henny Pratiwi Adi, Gilbert Lebras, Indonesia	Lessons from soil water dynamics in the management of urban landscapes Geoff Connellan, Australia, Peter Buss, Mike Dalton, Peter Symes, Steven Liu	A Knowledge/Rule-Based Expert System for Deciding Covering Requirement in Rivers and Drainage Channels Onder Okmen, Turkey	Impact of the proposals in the Guide to the proposed Murray Darling Basin Plan on SA Murray communities Julian Morison, Australia, Heather Bailey	Real-time adaptive control of furrow irrigation: preliminary results of cotton field trial Alison McCarthy, Australia, Rod Smith, Nigel Hancock
14:20	14:40	Investigation on the final closing section of a sea-dike Heo Gun, South Korea, Kim Sung Pil, Heo Jun	Tolerance and Sensitivity of the Adelaide Parklands Landscape Plants to the Glenelg Recycled Wastewater Ali Hassanli, Australia, Fatemeh Kazemi	Designing sealing materials for water transmission and distribution concrete canals in irrigation and drainage networks Omid Firouzi, Iran, Mohammad Hassan Najdi, Mahan Lamei, Vahid Haddadi, Abdolali Azarbad	The rural water industry - a stool with three legs? Adrian Piani, Australia	Can higher flow rate improve the performance of border-check irrigation in the Murray Dairy region Mike Morris, Australia, Amjed Hussain, Malcolm Gillies
14:40	15:00	Evaluation of the effect of the disaster prevention technique using coastal farmlands Hirohide Kiri, Japan, Hajime Tanji	Optimising multiple water supplies for golf course irrigation Rod Wiese, Australia	Developing an engineering approach to design and selection of lining systems for irrigation canals. Part 1 - Analysing results of long term trials to understand failure modes of canal lining systems Nick Kastoumis, Australia	Flow characteristics on the downstream of an overflow weir under the flow situation that Ayu fish stagnated out of fishways Naoki Takahashi, Japan, Yoshinobu Kitamura, Katsuyuki Shimizu	Validation of the new B2B Bankless Channel Irrigation System model Michael Grabham, Australia, Richard Sappe, John Hornbuckle, Rod Smith, Steven Raine
15:00	15:20	Qualitative Risk Analysis in Appropriate Decision Making in Water Industry- Case Study: Qualitative Risk Identification and Analysis in Selecting Appropriate Path for Chalooos Canal Azar Takeshi, Iran, Mahnoosh Bavand	Hillcrest Primary School Monitoring Soil Moisture to Achieve Best Practice Turf and Irrigation Management Gerard Charlton, Australia	Seepage and saline hazard mapping beneath infrastructure of the Upper Burdekin River Delta David Allen, Australia		Increasing the Irrigation Efficiency by Using Gated Pipe System in the Afzar Plain's Command Areas in the Salman Farsi Dam Reza Gholizadeh, Iran, Enayatolah Farahani, Mojtaba Hamzeh
AFTERNOON TEA						
HALL G						
15:30	16:00					