

**please note times listed are AWST*

Session 1 - Wednesday 24 November				
Start	Finish	Topic	Presentation Title	Presenter
11:00:00 AM	11:05:00 AM	Chairman's welcome		
11:05:00 AM	11:10:00 AM	Session chair introduction, housekeeping, acknowledgment of sustaining members		
11:10:00 AM	11:22:00 AM	Dam Operation, Safety and Surveillance: Risks & Reliability of Monitoring and Control Systems	A review of Victoria's dam safety regulatory framework	Reena Ram, <i>Department of Environment, Land, Water and Planning Victoria</i>
11:22:00 AM	11:34:00 AM		Analysis of an embankment dam on permeable rock foundations	Jonathon Reid, <i>Smec Australia</i>
11:34:00 AM	11:46:00 AM		Don't Risk it to get the Biscuit - Managing Construction Risk at Ewen Maddock Dam	Helena Sutherland, <i>Seqwater</i>
11:46:00 AM	11:58:00 AM		Ageing Assets versus Modern Monitoring - An Owner's Conundrum	Ryan Cantrill, <i>Sunwater</i>
11:58:00 AM	12:10:00 PM		Improving Survey Monitoring Techniques - Automation of Real-Time Monitoring Systems	Tom Ridgway, <i>GHD Pty Ltd</i>
12:10:00 PM	12:20:00 PM	Q&A: Dam Operation, Safety and Surveillance: Risks & Reliability of Monitoring and Control Systems		
12:20:00 PM	12:25:00 PM	Session close		
12:25:00 PM	12:40:00 PM	BREAK		
12:40:00 PM	12:45:00 PM	Session chair introduction, housekeeping, acknowledgment of sustaining members		
12:45:00 PM	12:57:00 PM	Consequence Assessment and Dam-break Analysis	Lessons learnt from the application of HEC-LifeSim 2.0 to multiple dams across Australia	Hench Wang, <i>Hydrology and Risk Consulting Pty Ltd</i>
12:57:00 PM	1:09:00 PM		Common Ground: Baseline Consequence Assessments in downstream catchments	Rachel Jensen, <i>Sunwater</i>
1:09:00 PM	1:21:00 PM		Ewen Maddock Dam Upgrade – Draining down the risk (with siphons)	Elizabeth Jackson, <i>Seqwater</i>
1:21:00 PM	1:33:00 PM		Flood Modelling of Cooma Water Storage Tank Failure	Mei Zheng, <i>GHD Pty Ltd</i>
1:33:00 PM	1:45:00 PM	Emergency Management and Communicating Risks to the Community	Designing dam safety emergency exercises in an inter-related risk environment to build resilience	Richard Mannix, <i>Hydrology and Risk Consulting Pty Ltd</i>
1:45:00 PM	1:55:00 PM	Q&A: Consequence Assessment and Dam-break Analysis & Emergency Management and Communicating Risks to the Community		
1:55:00 PM	2:00:00 PM	Session close		

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Session 2 - Wednesday 1 December				
Start	Finish	Topic	Presentation Title	Presenter
11:00:00 AM	11:07:00 AM	Conference convenor's welcome Session chair introduction, housekeeping, acknowledgment of sustaining members		
11:07:00 AM	11:19:00 AM	Challenges for Multi-purpose Water Storages	Maintaining and increasing efficiency in multi-purpose reservoirs: geomembranes and floating photovoltaic panels	Alberto Scuero, <i>Carpi Tech</i>
11:19:00 AM	11:31:00 AM		A tale of two sites, siting optimal fish passage location at Ewen Maddock Dam.	Lindsay Millard <i>Seqwater</i>
11:31:00 AM	11:43:00 AM	Regulation and Dam Safety: Where is Consistency Important?	WaterNSW Dam Safety Alert Trigger Framework	Damien Bryan, <i>WaterNSW</i>
11:43:00 AM	11:55:00 AM		Recommended skills for dam safety management personnel	Chris Nielsen, <i>Department of Regional Development Manufacturing and Water Queensland Government</i>
11:55:00 AM	12:07:00 PM		Terms of Reference for Technical Review Panels and their technical assurance for dam projects	Chris Nielsen, <i>Department of Regional Development Manufacturing and Water Queensland Government</i>
12:07:00 PM	12:22:00 PM	Q& A - Challenges for Multi-purpose Water Storages / Regulation and Dam Safety: Where is Consistency Important?		
12:22:00 PM	12:25:00 PM	Session close		
12:25:00 PM	12:40:00 PM	BREAK		
12:40:00 PM	12:45:00 PM	Session chair introduction, housekeeping, acknowledgment of sustaining members		
12:45:00 PM	12:57:00 PM	Innovation and Technology in Dam Engineering	Remedial Works to Lock and Weir No. 1 - It Seemed Like a Good Idea in the Design Office	Christopher Dann, <i>AECOM</i>
12:57:00 PM	1:09:00 PM		An Overview to Mechanical Behaviour of Rockfill	Reza Asadi, <i>The University Of Melbourne</i>
1:09:00 PM	1:21:00 PM		Design and construction of large post-tensioned anchors to stabilise spillway pier structures	Jonathon Reid, <i>SMEC Australia</i>
1:21:00 PM	1:33:00 PM		A generalized CPTu state parameter inversion method based on the NorSand Widget	Kyle Smith, <i>Golder</i>
1:33:00 PM	1:45:00 PM		Application of Joint Probability Design Flood Estimation in The Philippines and Potential Benefits in Data Sparse Regions of Australia	David Stephens, <i>Hydrology and Risk Consulting Pty Ltd</i>
1:45:00 PM	2:00:00 PM	Q& A: Innovation and Technology in Dam Engineering		
2:00:00 PM	2:05:00 PM	Session close		

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Session 3 - Wednesday 8 December				
Start	Finish	Topic	Presentation Title	Presenter
11:00:00 AM	11:07:00 AM	Conference convenor's welcome Session chair introduction, housekeeping, acknowledgment of sustaining members		
11:07:00 AM	11:19:00 AM	Risk Assessments: Why and How?	Mundaring Weir: Stilling Basin and Outlet Works Risk Assessment	Sonel Reynolds, <i>GHD</i>
11:19:00 AM	11:31:00 AM		Regulatory Risk – a Proposed Framework for Contractual Accountability of the Crown of Regulatory Changes	Arnold Dix, <i>Unergound Works Chamber</i>
11:31:00 AM	11:43:00 AM		Active Fault Assessment for a Proposed Pumped Hydro Power Scheme in South Australia	Tim Mote, <i>ARUP</i>
11:43:00 AM	11:55:00 AM		Aspects considered in the selection of individual risk tolerability threshold for referable dams in Queensland	Chris Nielsen, <i>Department of Regional Development Manufacturing and Water Queensland Government</i>
11:55:00 AM	12:07:00 PM		Demonstrating SFAIRP	Richard Robinson, <i>R2A Pty Ltd</i>
12:07:00 PM	12:22:00 PM	Q& A: Risk Assessments: Why and How?		
12:22:00 PM	12:25:00 PM	Session close		
12:25:00 PM	12:40:00 PM	BREAK		
12:40:00 PM	12:45:00 PM	Session chair introduction, housekeeping, acknowledgment of sustaining members		
12:45:00 PM	12:57:00 PM	Risk Assessments: Why and How?	Paradise Dam and its present and future impact on dam projects	Chris Nielsen, <i>Department of Regional Development Manufacturing and Water Queensland Government</i>
12:57:00 PM	1:09:00 PM		Managing multiple concurrences estimating likelihood and consequence in a dam break application: Rainfall based data sparse regions	Claudia Smith, <i>Jacobs</i>
1:09:00 PM	1:21:00 PM		Risk analysis and safety upgrade of Mangrove Creek Dam; SFAIRP assessment under Dam Safety NSW regulations	Vicent Espert Canet, <i>GHD</i>
1:21:00 PM	1:33:00 PM		Development of a practical SFAIRP framework for dams	Mark Pearse, <i>Hydrology and Risk Consulting Pty Ltd</i>
1:33:00 PM	1:48:00 PM	Q& A: Risk Assessments: Why and How?		
1:48:00 PM	1:53:00 PM	Session close		

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Session 4 - Wednesday 15 December				
Start	Finish	Topic	Presentation Title	Presenter
11:00:00 AM	11:07:00 AM	Conference convenor's welcome Session chair introduction, housekeeping, acknowledgment of sustaining members		
11:07:00 AM	11:19:00 AM	Tailings: Responsible Governance, Design, Management, Operation and Closure	Some considerations when using deformation monitoring to manage the static liquefaction risks of TSFs	David Reid, <i>University of Western Australia</i>
11:19:00 AM	11:31:00 AM		Ground shaking potential relating to eastern Australian active faults: an example from the Bendigo region with relevance to water reservoirs and tailings dams	Dan Clark, <i>Geoscience Australia</i>
11:31:00 AM	11:43:00 AM		Accounting for brittleness in tailings storage facilities	Jiri Herza, <i>HATS Consulting</i>
11:43:00 AM	11:55:00 AM		Importance of adequate characterisation of fissured clay in dam foundations: a case study	Yuqi Tan, <i>ATC Williams</i>
11:55:00 AM	12:10:00 PM	Q& A: Tailings: Responsible Governance, Design, Management, Operation and Closure		
12:10:00 PM	12:12:00 PM	Session close		
12:12:00 PM	12:27:00 PM	BREAK		
12:27:00 PM	12:32:00 PM	Session chair introduction, housekeeping, acknowledgment of sustaining members		
12:32:00 PM	12:44:00 PM	Tailings: Responsible Governance, Design, Management, Operation and Closure	Holistic tailings management and governance	Jarrad Coffey, <i>Rio Tinto</i>
12:44:00 PM	12:56:00 PM		The Critical Link between Risk Assessments and Critical Controls	Ryan Singh, <i>HATS Consulting</i>
12:56:00 PM	1:08:00 PM		Emergency Preparedness for Tailings Dams	Olle Wennstrom, <i>GHD Pty Ltd</i>
1:08:00 PM	1:20:00 PM		Transitioning to Dry Stack Tailings a Case Study	Tom Ridgway, <i>GHD Pty Ltd</i>
1:20:00 PM	1:35:00 PM	Q& A: Tailings: Responsible Governance, Design, Management, Operation and Closure		
1:35:00 PM	1:40:00 PM	Session / Conference Close		