

Resilient Dams & Levees for Resilient Communities

9 - 12 October 2019 | Pullman Hotel Auckland, New Zealand
Workshop, Conference, Post-conference Tour



NZSOLD ANCOLD 2019
Combined Conference



NZSOLD ANCOLD PRE-CONFERENCE WORKSHOP

Resilient Dams in an Earthquake Environment (9 October 2019)



Sponsored by

07:30	REGISTRATION
08:30	WELCOME AND INTRODUCTION
08:50	Evaluation of Earthquake-induced Cracking of Embankment Dams Dr Lelio Mejia, Geosyntec Consultants, Oakland, California
09:15	Questions
09:25	Implications of the new ANCOLD Earthquake Guidelines and the new Geoscience Australia earthquake catalogue for seismic ground motion hazard levels in Australia Dr Paul Somerville, Aecom (Australia and California)
09:50	Questions
10.00	Revising the New Zealand National Seismic Hazard Model-current plans and future directions Dr. Matt Gerstenberger, GNS, Wellington, New Zealand
10.25	Questions
10:35	MORNING BREAK
11.05	Present and Future Directions in Ground Motion Modelling: Implications for Seismic Design and Assessment Prof. Brendon Bradley, University of Canterbury, Christchurch, New Zealand
11:30	Questions
11:40	Critical State Approach to dam stability Dr. David Reid, University of Western Australia, Perth, Australia
12:05	Questions
12:15	LUNCH
1:15	Methods for Estimating Transient and Permanent Deformations in Slopes and a Case Study on a Natural Slope Supporting Penstocks Dr Karina Dahl/ Mohammad Okhovat, Damwatch Engineering, Wellington, New Zealand

1:40	Questions
1.50	Accomplishing the 3Rs with our Dams in a Seismic Environment Dick Davidson, Aecom, Denver, USA
2.15	Questions
2:25	AFTERNOON BREAK
2.55	Methods for assessing seismic performance of earthfill embankments and comparison with observations from the 2013 Lake Grassmere and 2016 Kaikoura earthquakes. Dr. Yuanzhi Chan/ Eric Torvelainen, Engineering Geology Limited, Auckland, New Zealand
3:20	Questions
3:30	Seismic Design and Qualification of Electromechanical Dam Safety Critical Equipment - Panel Discussion (Panel members to be confirmed)
4:05	Workshop Closure
4:15	WORKSHOP CLOSES

Visit <https://nzsoldancold2019.co.nz/speaker/> for details on speakers.