



## Water New Zealand Modelling Group Symposium

14-15 March 2018, Quality Hotel Elms, Christchurch

### PROGRAMME

#### Day One – Wednesday 14 March

8.30-9.00am	<b>Registrations / Welcome Tea and Coffee</b>
9.00am	<b>Welcome and Symposium Opening</b> <i>Vicki Koopal, Chair, Modelling Group</i>
9.15am	<b>Keynote Address</b> <i>Paul Doherty, Eagle Technology</i> Why We Should Use Maps for Data Driven Decision Making
10.00am	<b>Morning Tea</b>
10.30am	<b>Word from Sponsor – DHI</b>
10.45am	<b>Guest Speaker</b> <i>Piers Lehmann, Christchurch City Council</i> Hydraulic Modeling – The Way Forward for CCC
11.15am	Dunedin City Council 3Waters Models - <i>Simon Lu, Dunedin City Council</i>
11.45am	How much?, Where would it really go? – Topography and Stormwater Effects – <i>Gary Dent/Alexis Patrylak, Fluent Solutions</i>
12.15pm	<b>Lunch</b>
1.15pm	<b>Word from Sponsor – HAL Hydraulic Analysis Ltd</b>
1.20pm	<b>Guest Speaker</b> <i>Mark Baker, Queenstown Lakes District Council</i> Value Added Modelling
2.00pm	Optimising the Design and Operation of Pressure Sewer Systems – <i>Ann Pugh, Urban Water Solutions</i>
2.30pm	The sensitivity of depth tolerance on shallow flood plains – <i>Brendon Shicker/Mark Groves, Opus</i>
3.00pm	<b>Afternoon Tea</b>
3.30pm	Making the most of your water supply modeling – <i>Timothy Durkin-Wright/Vicki Koopal, Jeff Booth Consulting Ltd</i>
4.00pm	Control the flood through Operational Models – <i>Antoinette Tan, DHI New Zealand</i>
4.30pm	Detailed Bathymetric Surveys of Waterways using Drones – <i>Matthew Gardner/Nils Vollenhoven, Land River Sea Consulting</i>
5.00-6.00pm	<b>Networking Event at Quality Hotel Elms</b>
6.30pm	<b>Dinner at BBQ Brazil Churrasco, 505 Papanui Road – 2 minutes walk from Hotel</b>



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#### Day Two – Thursday 15 March

8.30-9.00am	<b>Welcome Tea &amp; Coffee</b>
9am	Day 2 Opening Comments
9.05am	<b>Keynote Address</b> <i>Sam Williamson and Paul Doherty, Eagle Technology</i> How to Engage Your Audience with Data Driven Maps
9.45am	<b>Word from Sponsor – Jeff Booth Consulting Limited</b>
<b>10.00am</b>	<b>Morning Tea</b>
10.20am	<b>Keynote Address</b> <i>Wayne Spittal, Derceto/Suez</i> Hydraulic modelling used with data analytics provides real-world examples of smart water and wastewater systems
11am	Modelling Cascading Dam Break Failures and Inundation for the Waipori Scheme, west of Dunedin – <i>Cameron Paintin, Riley Consultants Ltd</i>
11.30am	Mosgiel Water Source Switch – <i>Louisa Sinclair, Dunedin City Council and Tristan Jamieson, Watershed Engineering Ltd</i>
12pm	Flood Modelling for Major Transportation Projects – <i>Peter Kinley, Jacobs</i>
<b>12.30pm</b>	<b>Lunch</b>
1.15pm	<b>Modelling Group AGM</b>
1.30pm	<b>Guest Speaker</b> <i>Dave Ripley, Opus</i> Implementing ICMLive Within a Wastewater Network
2.00pm	Watercare Clean Water Modelling Strategy – <i>Mike Dunstone, Watercare Services</i>
2.30pm	ARR guidance on blockage of hydraulic structures – <i>Paul Ollett, Hydralinc Australia</i>
<b>3.00pm</b>	<b>Afternoon Tea</b>
3.30pm	Continuous Simulation Modelling to Balance Design Constraints – <i>Cameron Oliver, Beca</i>
4.00pm	Hydraulic Modelling Identifies Pragmatic Water Supply for Chathams – <i>Logan Boyd, Stantec</i>
4.30pm	Avon River Catchment – Flood Model Developments – <i>John McArthur, GHD</i>
<b>5.00pm</b>	<b>Symposium Close</b>

A special thanks to our sponsors



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