



Modelling

WATER NEW ZEALAND | SPECIAL INTEREST GROUP



## Water New Zealand Modelling Symposium

11 – 12 March 2020, Grand Mercure Hotel, Auckland

### DRAFT PROGRAMME

#### Day One – Wednesday 11 March

8.30-9.00am	Registration / Tea and Coffee
9.00am	Welcome and Symposium Opening - <i>Nadia Nitsche, Chair, Modelling Group</i>
9.15am	Keynote Address – <a href="#">Dr Celine Cattoen-Gilbert</a> – NIWA – Flow/Flood Forecasting
10.00am	Morning Tea
10.30am	Word from Sponsor - HAL
10.45am	Guest Speaker – The Future of 2D Hydraulic Modelling: Presentation of new sub-grid turbulence and elevation sampling approaches and impact on result accuracy – <i>Bill Syme – BMT Global</i>
11.15am	Bridging the gap between Modellers and Decision Makers – <i>Fatima Bashir - DHI</i>
11.45am	HEC-RAS Modelling: Using 1D and 2D models to model bridges with rapidly changing design processes – <i>Courtenay Giles - WSP</i>
12.15pm	Lunch – Vue Restaurant level 13 Grand Mercure
1.00pm	Three-way coupled stormwater model – <i>Girija Mulay - Stantec</i>
1.30pm	Development of a city-wide drainage model to assess system performance – <i>Bertrand Salmi – Water Technology</i>
2.00pm	Modelling in infrastructure investment for Sulphur Beach – <i>Hansol Lee &amp; Jackie Zhou – Auckland Council</i>
2.30pm	Making models work; small investments, big rewards – <i>Brendon Schicker - WSP</i>
3.00pm	Afternoon Tea
3.15pm	Bus transfer to field trip
3.30pm – 4.30pm	Auckland University – Fluids Lab Bus transfer
5.00 - 6.00pm	Networking event
6.30pm	Dinner – The Conservatory, E1/17 Jellicoe St, Nth Viaduct, Akld CBD

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### DRAFT PROGRAMME

#### Day Two – Thursday 12 March

8.30-9.00am	Welcome Tea & Coffee
9am	Day 2 Opening comments - <i>Nadia Nitsche, Chair, Modelling Group</i>
9.05am	Keynote Address – <b>Bertrand Salmi – Water Technology</b> - Banyule Swamp, my neighbour, will you give me a glass of water?
9.45am	Word from one of our sponsors - <b>JEFF BOOTH</b>
10.00am	Morning Tea
10.30am	BRANZ workshop residential end-use project <b>Andrew Pollard (BRANZ) and Lesley Smith (Water New Zealand)</b>
12pm	Complexity in Modelling – <i>Ben Davies - Stantec</i>
12.30pm	Lunch – <b>Vue Restaurant level 13 Grand Mercure</b>
1.15pm	Modelling Group AGM
1.30pm	The use of Dynamic Freeboard – <i>Kristin Stokes - Jacobs</i>
2.00pm	Use of detailed flood models for options analysis – <i>Ivan Kholodov – Wellington Water</i>
2.30pm	Runoff estimation for an ungauged catchment - the Piha flood hazard modelling – <i>Kevin Fan – Auckland Council</i>
3.00pm	Afternoon Tea
3.30pm	Word from one of our sponsors - <b>DHI</b>
3.45pm	Modelling long-term volume retention in a reuse rainwater tank – <i>Jahangir Islam – AECOM New Zealand</i>
4.15pm	Development and assessment of a reservoir sediment management routine for the soil and water assessment tool– <i>Jayandra Shrestha – Canterbury University</i>
4.45pm	Detailed 2D Modelling for Puhoi - Tests on model parameters and software – <i>Jorge Astudillo – Auckland Council</i>
5.15pm	Symposium close

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