



Water New Zealand Modelling Symposium

16 – 17 March 2022, Online

FINAL PROGRAMME

Day One – Wednesday 16 March

8.30am	<i>Access to Symposium opens – technology checks</i>
8.45am	Mihi – Peter Jackson
9.00am	Welcome – <i>Fiona Macdonald, Chair, Modelling Group</i>
9.10am	Symposium Opening – Gillian Blythe, CE Water New Zealand
9.20am	Dr Judy Lawrence, Senior Research Fellow School of Geography, Environment & Earth Sciences, VUW – Cascading impacts of climate change on infrastructures
10.05am	Morning tea
10.15am	Word from our sponsor – Mott MacDonald
10.20am	Calibration using SCADA – Ali Paine, Stantec
10.50am	Quiz question
10.55am	Streamlining Minimum Floor Level Advice – Ivan Kholodov, Wellington Water
11.25am	Quiz question
11.30am	David Ward, WSL – Perspective on the last 22 years
12.00pm	Word from one of our sponsors – Hydraulic Analysis Ltd
12.05pm	Lunch
12.50pm	The Importance of sensitivity tests – Andrew Sherson, Stantec
1.20pm	Quiz question
1.25pm	Rainwater Tank Calculator Tool to optimise rainwater tank size – Wui-Shen Tay, Auckland Council
1.55pm	Quiz question
2.00pm	Flood Forecasting using Machine Learning – Nasrine Tomasi, Mott MacDonald
2.30pm	Afternoon tea
2.45pm	Dynamic Modelling of Hydrogen Sulphide in Auckland’s Sewer System, Marion Foglia & Kalyan Chakravarthy, DHI Group
3.15pm	Virtual Site Visit - MetService
4.15pm	Closing remarks
5.00pm	Regional networking to be advised closer to time



Water New Zealand Modelling Symposium

16 – 17 March 2022, Online

FINAL PROGRAMME

Day Two – Thursday 17 March

8.45am	Access to Symposium – technology checks
9.00am	Day 2 Opening comments – Fiona Macdonald, Chair, Modelling Group
9.05am	Modelling Group AGM <ul style="list-style-type: none"> Ⓞ Chairs Report Ⓞ Election of Committee Members
9.30am	Michael Howden, Data & Insights Manager, Taumata Arowai
10.15am	Morning Tea
10.30am	Assessing Flood Impacts – Flood hazard and how to use it – Michael Arthur, Metis Consulting
11.00am	Quiz question
11.05am	Validation of the Waikato R2R InfoWorks Model: A crucial tool for improving Auckland’s drought resilience – Brendon Harkness, Watercare & Kirwin Tan, GHD
11.35am	Rob Blakemore, Wellington Water - Capturing Our Water Supply Sources Before It's Too Late
12.15pm	Word from one of our sponsors – Jeff Booth
12.20pm	Lunch
12.50pm	Communicating flood hazard mapping with the public – is it worth the effort? Alistair Osborne & Nadia Nitsche, Wellington Water
1.20pm	Quiz question
1.25pm	Word from sponsor – Tonkin & Taylor
1.30pm	The Modelling Factory – Production line to the future – Nathan Donald, Watercare & Thomas Haarhoff, Mott MacDonald
2.00pm	Regionwide Flood Modelling for Rural Auckland – Cheryl Bai, Auckland Council
2.30pm	Afternoon tea
2.45pm	Updating models – Paraparaumu Beach case study, Carl Johnson & Rathika Jebamony - AWA
3.15pm	Quiz questions recap & Rewards
3.30pm	Closing remarks