

INVITATION TO...



Lake Resilience Symposium

UNIVERSITY OF WAIKATO – Thursday 19 April 9:30 AM – 4 PM

The Lake Ecosystem Research New Zealand (LERNZ) research group would like to invite all those with an interest in lake research, management and restoration to the Lake Resilience Symposium at Gallagher Centre for Performing Arts, University of Waikato, on Thursday 19 April 2018.

Speakers will present key findings and outcomes from the MBIE funded programme: *Enhancing Health and Resilience of New Zealand Lakes*. The symposium also provides the opportunity to obtain feedback from researchers and others actively involved in lake restoration on current and future LERNZ research directions.

Conference Programme

9:30 – 10:00 *Coffee and tea available in foyer*

10:00 – 10:30 **Welcome and Overview**

10:30 – 11:45 **Session 1: Geospatial Platforms and Remote Sensing**

- *Takiwa Stage 1: A Comprehensive, Georeferenced Database for New Zealand Lakes with Trophic State Prediction* – David Hamilton
- *Context, Content, & Control: Visualising Mātauranga Māori and Science for Environmental Outcomes* – Maui Hudson
- *Using Data and Visualisations to Support Iwi Aspirations* – Kyle Davis
- *Water Colour: A Sensible and Intuitive Ecosystem Health Attribute for Lakes* – Moritz Lehmann
- *Satellite Remote Sensing of Lakes as a Tool to Better Understand “Representative” Monitoring Under the National Policy Statement for Freshwater Management* – Deniz Özkundakci

11:45 – 12:45 **Session 2: Food Webs and Habitat Refugia**

- *Integrating Fish Nutrient Excretion Rates into Ecological Modelling of Water Quality* – Mat Allan & Brendan Hicks
- *Spatial and Temporal Effects of Food Web Dynamics on Nitrogen Cycling in a Large Oligotrophic Lake* – Simon Stewart
- *Food-web Interactions in Shallow Lakes: Implications for Lake Resilience* – Kevin Collier & Michael Pingram
- *Enhancing Lake-edge Structural Habitat for Improving Indigenous Fish Production* – David Kelly & Caleb Royal

12:45 – 13:30 **Lunch**

13:30 – 14:30 **Session 3: Drivers of Change**

- *Evolving the Paradigm: Integrating Multiple Stressors and Lake Resilience into Lake Management Frameworks* – Marc Schallenberg
- *Phosphorus legacy in the sediment of Lake Horowhenua and seasonal interactions with lake water quality* – Piet Verburg
- *Incorporating Molecular-based Approaches into Paleolimnology: New Insights into Past Lake Communities and Drivers of Change* – Susie Wood
- *Linking Catchment Nutrient Inputs to Lake Eutrophication Responses* – Sandy Elliot & Chris McBride

14:30 – 14:50 *Afternoon tea*

14:50 – 15:15 **Summaries of Ongoing Research Projects**

15:15 – 16:00 **Future of LERNZ Research: Workshop/Discussion** – Troy Baisden

16:00 **Close** – *Drinks available in foyer*

Places are limited, to register follow [this link](#) and complete the registration form by 4 pm 13 April

For further information email: lernz@waikato.ac.nz

