

The 2021 Waterways Postgraduate Student Conference
 Wednesday, November 3, 2021
 University of Canterbury

Time	Presentation	
8:30	Registration	
9:00	Mihi Whakatau	
9:05	Welcome – Professor James Brasington, Director, Waterways Centre for Freshwater Management	
9:15	Investigating groundwater sources to a coastal lagoon using hydrogeochemistry and nutrient analysis	Katie Coluccio, PhD University of Canterbury
9:30	Surviving the storm: Life history plasticity of a common New Zealand mayfly in response to environmental disturbance	Ciara Espiner, BSc Hons candidate University of Canterbury
9:45	Characterising groundwater-surface water exchange in the Waikirikiri Selwyn River, using radon	Linda Robb, MWaterRM candidate University of Canterbury
10:00	The lesser of two evils? How reduced flow and trout interact to influence non-migratory galaxiid populations	Olivia Hore, MSc candidate University of Canterbury
10:15	Reviewing the implementation of stringency in the National Environmental Standard for Plantation Forestry (NES-PF) to protect sensitive receiving environments	Mawardah Nur, MPlan candidate Lincoln University
10.30	Morning Tea	
11:00	Influences of non-native Brown Tree Frog, <i>Litoria ewingii</i> , on New Zealand pond systems	Brittany Earl, MSc candidate, University of Canterbury
11:15	Why are shallow groundwater dynamics important for current and future urban resilience?	Amandine Bosserelle, PhD candidate University of Canterbury
11:30	A study of how saltwater impacts groundwater microbial communities	Greg Hatley, MSc candidate University of Canterbury
11:45	Sustainability Impact Assessment of a proposed hydropower infrastructure project: a case study of the Lake Onslow Pumped Hydro Scheme, New Zealand	Khemaksone Phetpasak, MWaterRM candidate University of Canterbury
12:00	Characterising groundwater - surface water interactions in braided rivers using hydraulics and environmental tracers: The Selwyn River of New Zealand	Christy Songola, MWaterRM candidate Lincoln University
12:15	Weaving ways of knowing to enhance bio cultural resilience in a mahinga kai species-at-risk	Aisling Rayne, PhD University of Canterbury
12.30	Lunch; Poster Session	
1:15	Christchurch coastal groundwater investigation – Summary of methods used and preliminary findings	Carlos Rosado, PhD candidate University of Canterbury
1:30	The search for an iconic native fish in a dynamic coastal lake (Te Waihora – Lake Ellesmere)	Chris Meijer, PhD candidate University of Canterbury
1:45	Assessing surface water – groundwater interaction in the Waikirikiri Selwyn River using active distributed temperature sensing and electrical resistivity surveys	Alice Sai Louie, MWaterRM candidate University of Canterbury
2:00	Measuring dynamic changes of phosphorus transport in urban streams	Glenis Ann Narte, MWaterRM candidate Lincoln University
2:15	A Water Wellbeing approach to assessing clean water technologies	Honor Columbus, PhD candidate University of Canterbury

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2:30	Groundwater transport in heterogeneous aquifers	Connor Cleary, PhD candidate University of Canterbury
2:45	Afternoon Tea	
3:15	Mapping shallow groundwater salinity in Christchurch: impacts on municipal assets	Irene Setiawan, PhD candidate Lincoln University
3:30	Biotic interactions underlying degraded stream systems	Imogen Eglesfield, BSc Hons candidate University of Canterbury
3:45	Trace metal contamination in sediments from Murihiku Southland and the Whau Estuary, Auckland, New Zealand	Nich Hanson, PhD candidate University of Canterbury
4:00	Toward water sensitive cities: Ingredients for sustainability transitions.	Rachel Teen, PhD candidate University of Canterbury
4:15	How long will it last and what's the footprint? Design life and environmental impacts of downpipe treatment systems removing dissolved metals from roof runoff	Jessika Carvalho, PhD candidate University of Canterbury
4:30	A transit route? Microplastics in an urban river system	Julia Rambacher, PhD candidate University of Canterbury
4:45	Drinks and Nibbles; Prize Presentation	

Posters (as at Oct 13)

Poster Title	Presenter
What does bicultural environmental governance look like?	Evelyn Charlesworth, MURR candidate University of Canterbury
Shifts in endemic kōkopu (<i>Galaxias</i>) population characteristics in response to whitebait fishing	Ben Crichton, PhD candidate University of Canterbury
Uncertainty in the procedure of developing Digital Elevation Models from LiDAR data for flood modelling	Martin Nguyen, PhD candidate University of Canterbury
A multiscale braided river substrate map – case study in the Rangitata	Justin Rogers, PhD candidate University of Canterbury
Saving species, time and money: UAVs in water resource management	Christy Songola, MWRM candidate Lincoln University