

Waterways Postgraduate Student Conference

Tuesday, 14 November 2017

DRAFT PROGRAMME

(A final programme will be released by Nov 1 2017)

Time	Presentation	
8:30	Registration	
9:00	Introduction – Professor Jenny Webster-Brown , Director, Waterways Centre for Freshwater Management	
9:05	Welcome – Dr Rod Carr , Vice Chancellor, University of Canterbury	
9:15	Virus transport through soil from on-site wastewater treatment systems	Hazel Clemens, MWRM Candidate, University of Canterbury
9:30	Improving the efficiency of Low Impact Developments by promoting microbial growth to increase the sorption of dissolved heavy metals	Courtenay Bremner, MWRM Candidate, University of Canterbury
9:45	Inexpensive water defluoridation using calcium carbonate materials	Florjan Camlek, Bsc Hons Candidate, University of Canterbury
10:00	Evaluation of community preferences for decentralised water management systems: a case study in Akaroa, Banks Peninsula	Han Sun, MWRM Candidate, Lincoln University
10:15	Removal of dissolved zinc and copper from roof-runoff using limestone, zeolite and mussel shell: a downpipe filtration system	Nekelia Gregoire, MWRM Candidate, Lincoln University
10.30	Morning Tea	
11:00	Understanding and quantifying contaminant discharges to Haytons Stream	Lewis Black, MSc Candidate, University of Canterbury
11:15	The fate of trace element contaminants at Tui Mine	Marlese Fairgray, PhD Candidate, University of Canterbury
11:30	Emerging organic contaminants in Canterbury shallow groundwater	Rebecca Van der Krogt, MSc Candidate, University of Canterbury
11:45	Critical review of Spatial Planning Flood Management in developing country contexts	Adam Prana, PhD Candidate, University of Canterbury
12:00	Antibiotic resistant pathogens in waterways	Muyiwe Adawale MSc Candidate, University of Canterbury
12:15	Increasing the uptake of Water Sensitive Urban Design stormwater management options at the building scale in Christchurch	Vicky Southworth, MWRM Candidate, University of Canterbury
12:30	Lunch; Poster Session from 1:00 pm	
1:30	How has a disorienting dilemma transformed business owners' perception of freshwater?	Rachel Teen, MWRM Candidate, Lincoln University
1:45	Integrating diverse economy to Thimphu River by understanding local perceptions and values towards the river, Bhutan	Sonam Pem, MWRM Candidate, University of Canterbury
2:00	Flood vulnerability and response capacity in Buenos Aires, Argentina	Yanina Ferligoj, MWRM Candidate, University of Canterbury
2:15	Composition of Canterbury mudfish food webs across a gradient of drought intensity	Christopher Meijer, MSc Candidate, University of Canterbury
2:30	Assessing Canterbury Mudfish (<i>Neochanna burrowsius</i>) conservation options using boosted regression trees and graph theory	Simon Coats, MGIS Candidate, University of Canterbury
2:45	The affects of vegetation, sedimentation and phosphate enrichment on freshwater macroinvertebrate diversity.	Shyam Provost MAppSc, Lincoln University

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3:00	Afternoon Tea	
3:30	Finding & fixing the 'leaky plumbing' to mitigate downstream nitrate export in small Canterbury agricultural drains	Brandon Goeller, PhD Candidate, University of Canterbury
3:45	Understanding factors that affect macrophytes in agricultural waterways	Katie Collins, PhD Candidate, University of Canterbury
4:00	Phormidium growth responses along hydrological gradients in three south Canterbury rivers	Tara McAllister, PhD Candidate, University of Canterbury
4.15	The effects of salt and light stress on the growth of <i>Stukenia pectinata</i> : Constraints on re-establishment in a degraded coastal lake	Qian Hu PhD Candidate, University of Canterbury
4:30	Development of an integrated water quality monitoring programme for Te Waihora/Lake Ellesmere	Val McMillan MWRM Candidate, Lincoln University
4:45	Identifying changes in groundwater quality and quantity resulting from border dyke to spray type irrigation conversion.	Will Dench, MWRM Candidate, University of Canterbury
5:00	Methods for estimating groundwater-surface water interactions in braided rivers	Katie Coluccio, MWRM Candidate, University of Canterbury
5:15	Drinks and Nibbles; Prize Presentation	