

GIS@Otago 2019

When	Who	Department	What	
09:00 - 09:10	Symposium Convenors		Welcome, GIS@Otago Agenda overview	
Environmental Applications: Ecology and Atmosphere (Chair: Aubrey Miller)				
09:10 - 09:25	EA 1	Craig MacDonell	Surveying	An eye on coastal change: Implementation of bespoke workflows to quantify high spatial resolution coastal change, Okia Reserve, Otago Peninsula
09:25 - 09:40	EA 2	Saif Khan	Zoology	Counting braided river birds and assessing their habitat using aerial imagery
09:40 - 09:55	EA 3	Hamish Prince	Geography	Atmospheric Rivers in the South Pacific: Rivers, but not as we know them
09:55 - 10:10	EA 4	Duncan Nicol	Geography	Phytogeography of Celmisia in New Zealand
10:10 - 10:30	Morning Break			
Developments in Geospatial Methods (Chair: Long Chen)				
10:30 - 10:45	GA 1	Saeed Rahimi	Surveying	Beyond space-time observation: Towards a movement analysis model with Intervention
10:45 - 11:00	GA 2	James Taylor	Info. Technology Services	Collecting Building and Pathway data in a GIS to integrate with the University of Otago Student App.
11:00 - 11:15	GA 3	Aubrey Miller	Surveying	Source to Sea Project: Bringing a webGIS to rural NZ schools
11:15 - 11:30	GA 4	Jessie Hurford	Archeology	Uncovering archaeological landscapes through storymaps
11:30 - 11:45	GA 5	Pascal Sirguy	Surveying	Revisiting historical aerial surveys with photogrammetry 2.1
11:45 - 12:00	GA 6	Greg Leonard	Surveying	Hydraulic and Hydrological Simulation Models in an Open-Source GIS
12:00 - 13:00	Lunch			
Environmental Applications: Cryosphere (Chair: Saeed Rahimi)				
13:00 - 13:15	CR 1	Clare Lewis	Surveying	Modelling the 1991 Aoraki/Mount Cook landslide
13:15 - 13:30	CR 2	Kelly Gragg	Surveying	Glaciological context of the HWD-2 borehole on the Ross Ice Shelf
13:30 - 13:45	CR 3	Martin Forbes	Surveying	I wonder what's under: radio echo sounding glacier flow bands in the Ross Ice Shelf
13:45 - 14:00	CR 4	Todd Redpath	Surveying and Geography	What can a drone tell us about snow depth, and how can we decipher it?
14:00 - 14:30	Afternoon Break			
Human Applications (Chair: Todd Redpath)				
14:30 - 14:45	HA 1	Brandon de Graaf	Preventive and Social Medicine	Calculating Emergency Response Times for New Zealand
14:45 - 15:00	HA 2	Quyen Nguyen	Accountancy and Finance	Risk to Residential Property Values from Climate Change-Related Flooding Hazards: The Case of Greater South Dunedin
15:00 - 15:15	HA 3	Long Chen	Surveying	Kernel Density Analysis of Active Transport to School Patterns in Dunedin Adolescents
15:15 - 15:30	HA 4	Tony Moore	Surveying	Cartography and Geovisualisation Research at Otago
15:30 - 15:40	Wrap up			