

Meteorological Society of New Zealand 2020 Annual Conference
 Student Session (23 – 24 November) Program

23 November			24 November		
Registration	08:30-09:00				
Opening	09:00-09:15	Michael Martens MetSociety Jiawei Zhang University of Canterbury	Presentation	9:00-10:10	Daemon Kennett Drivers of New Zealand Precipitation Extremes through the lens of Atmospheric Rivers
Presentation	09:20-10:30	Morgan Bennet Climatology of Vapour Transport associated with New Zealand Droughts			Hamish Prince Life-cycle and societal impacts of atmospheric rivers in New Zealand and the West Coast of the USA
		Jessie Gray Track characteristics of east coast lows in eastern Australia (1950-2019)			Sara Harrison Identifying the Data Needs for Severe Weather Impact-based Forecasting and Warning Systems in New Zealand
		Tamara Pletzer The effect of atmospheric forcing on glacial mass balance in the Ross Sea Region of Antarctica			Nariefa Abraham Radiation and clouds relationship: Brewster Glacier in the Southern Alps of New Zealand
		Maija Peltola Using Air-Sea Interaction Tanks to Study the Effect of Marine Biology to Aerosol Formation			Hannah Marley A Ceilometer-Derived Climatology of the Convective Boundary Layer over Auckland City

		Jason Brice Modelling particulate matter concentration using machine learning			Lydia Watson Investigation into real-time correction of radar data to account for enhancement at the bright band
		Bojana Rimbovska The calm before the storm: The reliability of photographs as weather records			
Morning Tea /Poster session	10:30-11:00		Morning Tea /Poster session	10:10-10:40	
Keynote speak	11:00-11:20	Laura Revell Climate research using global models in New Zealand	Keynote speak	10:40-11:00	Marwan Katurji From the Globe to backyard – Introduction of numerical atmospheric models across different scales
Workshop 1A	11:20-12:00	Dongqi Lin WRF Introduction	Workshop 2A	11:00-12:00	Dongqi Lin Master WRF domain wizard
Photo Taken	12:05				
Lunch	12:10-13:30		Lunch	12:00-13:30	
Workshop 1B	13:30-15:00	Dongqi Lin Use WPS to prepare WRF simulation	Workshop 2B	13:30-15:00	Dongqi Lin Look back to the history - Run WRF with ERA5 reanalysis
Afternoon Tea	15:00-15:30	poster session	Afternoon Tea	15:00-15:30	poster session
Workshop 1c	15:30-17:00	Dongqi Lin Be your own weather forecaster	Career Talk/Prizes	15:30-16:30	Prizes annoucment and career talk
Ice breaker	17:10-19:00				

* The workshops are still in the developing stage so the final workshop schedule might be different and we will keep you updated.

Poster list:

	Title
Cameron McErlich	Comparing satellite and ground-based observations of cloud occurrence over high southern latitudes
Fergus Robertson	The Emergence of Climate Change in the Southern Hemisphere
Li Yen Thor	Soil CO ₂ and Nocturnal N ₂ O Fluxes in Lauder, Central Otago, NZ
Matt Shepherd	Topographic and atmospheric controls of terrestrial meltwater in the RSR, Antarctica
Tegan Stone	Atmospheric Carbon Dioxide uptake in New Zealand's North Island: Analysis of five years of atmospheric data from Maunga Kakaramea
Yusuf Bhatti	Global climate model simulations of natural aerosols over the Southern Ocean
Ngaire Wotherspoon	Trajectory modelling of airborne microplastics collected in snowfall samples on the Ross Ice Shelf (Authors: Ngaire Wotherspoon, Alex Aves, Michelle LaRue, Laura Revell)
Megan Poehler, Melissa Smith	Examining Air Quality in Auckland during COVID Lockdown using MAX-DOAS

* More posters will be added.

Student Session Subcommittee: Jiawei Zhang, Yusuf Bhatti, Dongqi Lin, Rajasweta Datta, Rasool Porhemmat, Benjamin Schumacher