

**CanSISE 'East' Regional Meeting
January 24th 2018
University of Guelph**

9:45 - 10:00 Coffee
10:00 - 10:05 Welcome and introductions

Session 1: Sea Ice/ Arctic Amplification

10:05 - 10:25 George Duffy: Improved Understanding of Polar Ocean Heat Budgets through Cloudsat Snowfall Measurements
10:25 - 10:45 Alex Cabaj: Comparison of regionally-averaged snowfall rates from CloudSat and reanalysis products
10:45 - 11:05 Steve Howell: Dynamic sea ice loss from The Last Area
11:05 - 11:25 Thomas Newman: Parameterizing the radar-scale roughness of snow on sea ice: A wavelet-based approach
11:25 - 11:45 Paul Kushner: Reassessing Sea Ice Drift and its Relationship to Long-Term Arctic Sea Ice Loss in Coupled Climate Models (for Neil Tandon)
11:45 - 12:05 Thomas Oudar: Arctic-amplified warming over the North Pacific in response to anthropogenic aerosols in the CanESM2 large ensemble

12:05 - 1:30 Lunch (lunch will be provided in Hutt 234)

Session 2: Snow/land surface modelling and observations

1:30 - 1:50 Chris Fletcher: Improvements to Simulations of Canopy Longwave Radiation in Boreal Forests and their Impact on Seasonal Snow Cover (for Markus Todt)
1:50 - 2:10 Tyler Herrington: Climate Feedbacks in the Sub-Arctic Boreal
2:10 - 2:40 Manoj Kizhakkeniyil: SMOS brightness temperature and soil moisture assimilation into CLASS for improved soil moisture estimation
2:40 - 3:00 Bakr Badawy: Parameterization of the snow parameters in CLAS using machine learning methods
3:00 - 3:30 Renato Pardo & Melisa Kopan: Observing Soil water budgets and soil freeze/thaw processes.
3:30 - 4:00 Break
4:00 - 4:20 Amy Dietrich: Quantifying uncertainty in historical and projected future snowmelt-driven streamflow in the Nith River
4:20 - 4:40 Santosh Neupane: Trends of Rain on Snow events in Fraser River Basin