



CMOS-SCMO

Canadian Meteorological and Oceanographic Society
Société canadienne de météorologie et d'océanographie

CMOS Toronto Centre Seminar

Climate-Engineering Dialogue in the Context of Arctic Engineering Systems



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The Canadian Network for Regional Climate and Weather Processes focussed on quantifying and reducing uncertainties in climate projections and weather predictions for Canada's northern regions. A number of land-related modules were improved and/or implemented in the Canadian regional climate models as part of this Network, which has led to better simulations for the region and improved understanding of processes and feedbacks. However, the climate model simulations available are still too coarse to provide information at the spatial resolution required for many engineering applications.

This talk will look at some of the engineering-relevant aspects of weather and climate, including extremes, for the Arctic and will discuss impacts and adaptation strategies and framework for selected engineering operations and infrastructure systems. Due to the rapid warming projected in Arctic regions, it is very likely that at least several tipping points will be crossed, some of which might pose important risks to infrastructure.

Time: April 10, 2019, 2:00 p.m.

Location: Department of Physics, University of Toronto, Room MP134
60 St. George Street, Toronto, M5S 1A7

Note: Refreshments will be available after the seminar, Room MP110