High Latitude Ocean Studies

**PROJECT DESCRIPTION**

The high latitude oceans are evolving, relating to changes in temperature, freshwater (including from river runoff and glacial), winds and sea-ice. This evolution will have important consequences for their functioning, as well as the role they play in the climate system. Thus, it is important to understand the key physical processes that explain how these oceans work and evolve. Any intern working on this project will work with historical observed ocean data and/or the output from eddy-permitting numerical ocean/sea-ice models to analyze key processes and their variability. Work will generally be carried out using computational scripts written in either fortran or matlab for analysis and visualization purposes.

**FACULTY-DEPARTMENT**

Science- Atmospheric Sciences

**DESIRED FIELD OF (STUDENT) STUDY**

Some combination of Math, Physics, Computer Science, Engineering, Oceanography, Atmospheric Sciences - Actually having experience with oceanography or atmospheric sciences less important than strong mathematical/physics/computational skills.

**INTERNSHIP LOCATION**

University of Alberta Main Campus - Edmonton

**NUMBER OF INTERNSHIP POSITIONS**

2

**INTERNSHIP START DATE**

January 8, 2018

**INTERNSHIP END DATE**

March 19, 2018

**ARE THE DATES FLEXIBLE?**

Yes

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