A MESc. Student at Nipissing University will investigate the potential to derive a suite of terrain based indicators from newly acquired LiDAR data and other geospatial information at the Newfoundland core site and integrate these with existing soil and forest structure information available from the provincial growth plot network. The student will then assess the capacity of these indicators to be used as inputs into land classification schemes which can be used to produce predictive spatial representations of forest growth and wood fibre attributes.

The ideal candidate will have some background in quantitative analysis at the undergraduate level, a Bachelor’s degree in forestry, biology or geography and some experience in growth and yield modelling or forest inventory.

The NSERC AWARE project is a five year research program aimed at advancing the use of remote sensing in forestry research. This collaborative effort between eight universities, seven industrial partners, and NSERC offers excellent research opportunities for graduate students and post-doctoral fellows interested in forestry or remote sensing applications. The nation-wide scope of the AWARE project gives prospective researchers a unique opportunity to collaborate and network with leading academics and industrial partners.

In addition to a competitive stipend and access to top-end computing equipment, prospective researchers will also have excellent opportunities for conference travel and for some projects, the chance for field work travel at our core sites.

Nipissing University in North Bay, Ontario offers students degrees in either Master of Environmental Studies (MES) or Master of Environmental Sciences (MESc.). Both programs offer the training and development of graduates capable of contributing to the study of the environment and environmental issues and to the environmental problem solving of the future. A full description of the graduate program can be found here: http://www.nipissingu.ca/academics/graduate-studies/master-of-environmental/Pages/default.aspx

Interested candidates are encouraged to submit a cover letter and curriculum vitae by Jan. 1, 2017 to:

Dr. Jeff Dech
Associate Professor
Department of Biology and Chemistry
Nipissing University
100 College Drive
North Bay, ON, Canada P1B 8L7
Tel: (705) 474-3450 x.4701
Fax: (705) 474-1947
jeffreyd@nipissingu.ca