



Laurentian University  
Université Laurentienne

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**HARQUAIL** SCHOOL OF EARTH SCIENCES  
ÉCOLE DES SCIENCES DE LA TERRE

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**Research Chair in Exploration Targeting**  
**Professor of Exploration Geophysics**  
**Professor of Precambrian Geology**  
**Professor of Earth Systems Modelling**

Laurentian University is one of the recognized world leaders in mineral exploration research and is the top Canadian university in research funding for Economic Geology and in Applied Geophysics from the Natural Sciences and Engineering Research Council (NSERC). Laurentian University, located in Sudbury, Ontario, is the only university in Canada where geology and mineral exploration are integral components of the University's strategic plan.

With CAD \$104 million in funding provided by the Canada First Research Excellence Fund (CFREF) and partners, Laurentian University, through strategic partnerships with five Canadian universities, six government geological surveys and three international research centres, will conduct *Metal Earth* - the largest ever mineral exploration research project undertaken in Canada. *Metal Earth* seeks to identify and understand the processes responsible for Earth's differential metal endowment during the Precambrian. This research initiative aims to transform our understanding of Earth's early evolution and how we explore for metals.

*Metal Earth* will be led by the Mineral Exploration Research Centre (MERC), the mineral deposit research arm of the Harquail School of Earth Sciences (HES), which is housed in the Willet Green Miller Centre in Sudbury.

Laurentian University is seeking individuals with demonstrated excellence in research and teaching. Successful candidates are expected to actively participate in *Metal Earth's* research in addition to developing their independent vigorous and externally-funded research programs. They will teach at the undergraduate and graduate levels in the HES as well as professional courses through the Goodman School of Mines and other units.

Laurentian University is inviting applications for the following four faculty positions in its award-winning Harquail School of Earth Sciences:

- **Research Chair in Exploration Targeting** (tenured position) – beginning July 1, 2017  
Applicants for this Research Chair will have achieved international prominence in mineral exploration or ore systems research, will have demonstrated leadership in managing large, multidisciplinary, collaborative geoscience projects, and will have a strong understanding of the system and mechanics of publicly funded research both within and outside Canada. He/she will provide leadership for national and international research programs that target ore systems through the integration of multi-scale geoscience (tectonic-structural-geophysical-geochemical-mineralogical-isotopic-surficial) data. This is a tenured position at the Associate or Full Professor level.
- **Professor of Exploration Geophysics** (tenure track) – beginning July 1, 2017  
This Professor will conduct research and teach on seismology as applied to exploration and Precambrian crustal evolution. This is a tenure-track position at the Assistant or Associate Professor level.



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- **Professor of Precambrian Geology** (tenure track) – beginning January 1, 2018  
This Professor will conduct research and teach on Precambrian Geology and Precambrian Tectonics as they relate to Earth's evolution and metallogeny. Extensive experience in conducting field-based research and geological mapping is essential. This is a tenure-track position at the Assistant or Associate Professor level.
- **Professor of Earth Systems Modelling** (tenure track) – beginning January 1, 2018  
This Professor will conduct research and teach on Earth Systems, their application to ore systems, and the interrogation and integration of large multi-parameter geoscience datasets to develop new mineral exploration models. Professional experience in mineral exploration and data analytics is desired. This is a tenure-track position at the Assistant or Associate Professor level.

For additional information regarding Laurentian University, MERC, and Metal Earth please visit their website at [www.laurentian.ca](http://www.laurentian.ca), <http://merc.laurentian.ca>, <http://merc.laurentian.ca/metalearth> and <http://hes.laurentian.ca>. To apply, please forward your resume and cover letter to [laurentian@boyden.com](mailto:laurentian@boyden.com). Applications will be reviewed beginning in January 2017 but will be accepted until the positions are filled.

Laurentian University is an equal opportunity employer and is strongly committed to employment equity and diversity within its community. Laurentian University especially welcomes and encourages applications from members of visible minorities, women, Aboriginal persons, members of sexual minorities and persons with disabilities. Applicants may self-identify as a member of an employment equity group. All qualified candidates are encouraged to apply. However, Canadians and permanent residents will be considered first for these positions. The University has a policy of passive bilingualism (English/French) as a condition of tenure. Information can be found at [www.laurentian.ca](http://www.laurentian.ca). LU faculty members are part of the Laurentian University Faculty Association (LUFA). Candidates are advised to read the *Collective Agreement* at [www.lufapul.ca](http://www.lufapul.ca).