



Mineral Exploration Research Centre  
**AT THE HARQUAIL SCHOOL OF EARTH SCIENCES**

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The Mineral Exploration Research Centre, at the Harquail School of Earth Sciences at Laurentian University, seeks applicants for an ICP-MS Technician position to support research conducted under Metal Earth. The appointment is for 7 years, is contingent upon funding, and has a salary of \$50-60K/yr plus benefits. The anticipated start date is January 2017 pending final budget approval, and the position reports to the Associate Director of Metal Earth. The closing date for applications is December, 2016. Applications received after this deadline can only be evaluated if the position is not filled.

Metal Earth is the largest mineral exploration research project ever undertaken in Canada. This research initiative aims to understand the processes responsible for Earth's differential metal endowment and to transform how we explore for metals. Metal Earth will be led by the Mineral Exploration Research Centre (MERC), which is housed in the Willet Green Miller Centre at Sudbury. The Harquail School of Earth Sciences will have 18 faculty by the end of 2017 and presently has more than 70 MSc and PhD students. The school has full mineral separation facilities for zircon age dating, as well as SEM, EMP, XRD, and Raman instrumentation and thin section preparation facilities. The laboratory facilities are housed within the Ontario Geoscience Laboratories on the Laurentian campus.

### **ICP-MS Technician**

#### **Responsibilities:**

- Will work in our upgraded laser ablation ICP-MS facility that will house a new multi-collector ICP-MS, new quadrupole ICP-MS and two excimer laser ablation systems.
- Help establish the new analytical facility and develop methodologies for analyzing Lu-Hf isotopes in zircons
- Conduct analysis for the Metal Earth team.
- Maintain the new facility and train graduate students on solution and LA-ICP-MS analyses and data reduction,
- Assist other researchers and faculty under Metal Earth to develop new geochemical techniques

#### **Skills, Knowledge, and Abilities**

- Experience with operating and maintaining both multi-collector and quadrupole ICP-MS instruments is preferred.

- An MSc in Geochemistry or Analytical Chemistry
- A strong desire to instruct graduate students in laboratory techniques.
- Ability to work as part of a multidisciplinary team

For additional information regarding Laurentian University, MERC, and Metal Earth please visit [merc.laurentian.ca/metalearth](http://merc.laurentian.ca/metalearth). To apply, please forward your resume and cover letter to Chantal Duval @[cduval@laurentian.ca](mailto:cduval@laurentian.ca). The application should include a CV with contact details and the names of three references.

Laurentian University is a bilingual (French-English) and tri-cultural institution, 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.