POSITION DESCRIPTION

1. General Information

- **Position Title:** Research Engineer (2) – Accelerator and Sample Preparation Operations
- **Job Type:** Contract
- **Open Positions:** 1
- **Posting Date:** November 18th 2019
- **Closing Date:** November 27th 2019
- **Salary Grade:** NR6
- **Hiring Salary Range:** $62,485 - $78,930
- **Department:** Earth & Environmental Sciences / A. E. Lalonde AMS Laboratory (AEL-AMS Lab)
- **Position Reports to:** Director (AEL-AMS Lab)
- **Effective Start Date:** As soon as possible

2. Position Purpose

Works at senior level to oversee technical aspects of accelerator operation and sample preparation technologies. Independently plans and executes non-routine assignments of varying complexity requiring deep knowledge of related engineering or scientific theory, principles and practices.

3. Specific Accountabilities

- Evaluates data and prepares technical reports, including recommendations based upon findings. Selects and uses appropriate procedures, equipment, and standards to produce required data; assists in interpretation.
- Directs and, where necessary, assists with repairs, calibration, installation, troubleshooting, assembly, design, testing and/or modification of specialized apparatus and equipment such as particle accelerators, mass spectrometers, gas chromatographs, electro-pneumatic controls, servomechanisms and computer interfaces.
- Provides technical assistance and device-specific instruction to students, academic staff, technicians and colleagues.
- Assists in developing lab programs, as necessary.
- Makes analog and digital hardware and provides software services, as necessary.

4. Knowledge, Experience and Skills

- Professional Engineer or Certified Engineering Technologist with electronics/electrical expertise, plus 3-5 years of relevant experience.
- Strong organizational, analytical and technical or scientific oral and writing skills.
- Ability to coordinate workflow.
- Sound judgement in applying scientific and engineering principles and predicting or preventing problems.
- Ability to adapt protocols as needed (within guidelines) and work with computers (performing mathematical calculations and interfacing data collection equipment).
- Experience and familiarity with accelerator mass spectrometry would be an asset.

Please email applications to christabel.jean@uottawa.ca