

## Job Posting Summary

Lassonde School of Engineering, York University

**Position Title:** Lassonde Microfabrication Research Facility Manager

**Posting Type:** 2 year contract, renewable

**Start date:** September 2017 or earlier

**Hours:** Full time, 35 per week

**Salary:** \$75,000-\$95,000 depending on experience

**Closing date for Applications:** August 15, 2017

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### Job Summary

Lassonde School of Engineering, York University is opening a Microfabrication Testing Facility at the Bergeron Centre for Engineering Excellence. The state-of-the-art facility is part of the CFI funded Suborbital Payload Research Centre (SPaRC) project where scientists and engineers collaborate to design, engineer, prototype, fabricate, test and characterize suborbital payloads using advanced Microsystems technologies. The Microfabrication Research Facility Manager will support the development and implementation of the centre.

**Experience:** 3-5 years in Microfabrication Research

**Educational requirements:** Masters required, PhD preferred in a related discipline such as Physics or Engineering discipline

### Skills and Qualifications:

Microfabrication Laboratory will be equipped with the capability to perform system characterization, wafer bonding, photo and nano-imprint lithography, Reactive Ion Etching (RIE), Plasma Enhanced Chemical Vapour Deposition (PECVD) and Physical Vapour Deposition (PVD). The facility will be housed in a class 10,000 cleanroom.

The successful candidate should have required skills and qualifications to handle, maintain and operate the above micro-fabrication equipment as well as experience with the software for design and fabrication of the micro-devices.

- Previous experience working in an Academic Setting
- Familiar with the Ontario Occupational Health and Safety Act
- Familiar with Federal and Provincial granting agencies - i.e. CFI, NSERC, ORF and OCE

- Previous experience with creating budgets and subsequent reporting
- Additional experience in microfabrication industry an asset
- Eligible to obtain Clearance from Controlled Goods Program
- Interest in pursuing independent research in microfabrication

**Key Responsibilities:**

- Supports internal and external use of the facility including scheduling, web-site and the financial administration of the centre.
- Responsible for the daily maintenance and operations of equipment, maintaining and re-stocking an inventory of consumables, training and qualification of users.
- Procurement of equipment; responsible for supporting the establishment and planning of the center.
- Development of SOP and protocols for usage and safety of the users.
- Responsible for coordination of future equipment purchases including planning and writing of applications/reports.
- Manager will support other departmental instrumentational facilities as needed.

**How to apply:**

Please send a brief cover letter, CV and names of two references to [REGINAL@yorku.ca](mailto:REGINAL@yorku.ca)