RESEARCH Assistant Position

Position Title: Cleanroom Equipment Specialist (AC01)

Hiring Unit: McGill Nanotools Microfab Facility

Supervisor: Zhao Lu

Work Location: ERB016, Rutherford Building, McGill University

Hours/Week and Schedule: 40 hours/week

Holiday Wage: To be determined by experience and collective agreement AMURE

Duration: 1 year, renewable

Date of Posting: September 1, 2016

Deadline to Apply: September 30, 2016

Job Summary

The McGill Nanotools Microfab (MNM) is a shared facility serving academic, industrial, and government researchers in micro- and nano-technology. MNM is looking for a Research Assistant to work in the cleanroom environment and to support the growing microfab user base.

Education / Experience

- Master’s degree and education/experience in science or engineering is required
- Advise, teach, and train academics/students and industrial users; supervise fabrication projects, develop equipment manuals, provide academic and technical support including process development and equipment usage
- Install, modify, upgrade, and maintain complex cleanroom equipment for micro- and nano-fabrication processes like photolithography, metallization, deposition and dry/wet etching
- Advise on research projects including process development and standardization protocols for cleanroom equipment and procedures
- Develop and maintain documentation and records on technical documents including chemical inventories, responsibility for safety procedures and issues;
- Experience in electron-beam lithography

Other Qualifying Skills and Abilities

- Experience in plasma etching, such as DRIE, RIE and ICP is a strong asset
- Experience in gas networks (gas cabinets, orbital welding, scrubbers, burning boxes, gas monitoring system, etc) is an asset.
- Knowledge of the safety standards, building codes, and best practices for cleanroom facilities is a plus.
- Fluent in English verbal and written communication necessary, basic French.

HOW TO APPLY

Please submit your application, curriculum vitae and cover letter, clearly indicating the reference number:
Preferred method: via the web at www.hreng.mcgill.ca/applicant. Click on "Application Form".
Or by sending via email at pcoordinator.engineering@mcgill.ca

McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities, and others who may contribute to further diversification.