

Invites applications for the following position (s):

COMPETITION NUMBER: 004
C.U.P.E. Local 3338 – Continuing Position
TECHNICIAN, GRADE 11
VICE-PRESIDENT, RESEARCH – CORE FACILITIES
POSITION NUMBER: 122579

POSITION OUTLINE:

Provides technical and operational support to a range of academic and industrial clients on accessing University-wide, state-of-the-art materials characterization facilities within 4D LABS. Responsible for the technical oversight of sophisticated laboratory tools used for research (e.g., x-ray diffraction, XPS, atomic force microscopy, porosimetry, fuel cell testing, ICPMS, transmission electron microscopy, scanning electron microscopy, cryo-EM, EM sample preparation, helium ion microscopy, FIB, EDS, EELS, tomography); and coordinates user services for customers accessing an academic Material User Facility. Maximizes tool capability; provides one-on-one specialized and group training to researchers; and prepares documentation on standard operating procedures for equipment/tool operation, maintenance and troubleshooting. Maintains research facilities, including analytical and fabrication equipment (e.g., fabrication, advanced microscopy and spectroscopy, and laser operation) and other sophisticated research equipment. Performs other duties and responsibilities consistent with the job description and classification on request.

QUALIFICATIONS:

- **Bachelor's degree in Physics, Material Science, Chemistry, Biology, or related discipline.
- **4 years of related experience.
- Excellent knowledge of preventative maintenance techniques for chemical, electronic, and mechanical systems.
- Excellent knowledge of WCB and WHMIS safety guidelines.
- Excellent knowledge of materials science characterization techniques.
- Good knowledge of applications for materials science (e.g., MEMS, fuel cells, microfluidics, sensors, semiconductor devices, etc.).
- Good knowledge of electrical and mechanical design pertaining to scientific equipment.
- Excellent analytical and problem-solving skills.
- Excellent interpersonal skills.
- Excellent organizational skills, and strong attention to detail.
- Excellent public speaking skills and the ability to effectively facilitate and deliver presentations, tours and workshops to external groups (e.g., high school students, general public, etc.).
- Superior communication (verbal, written and presentation) skills, and the ability to effectively communicate technical concepts and safety procedures to users.
- Ability to articulate ideas and suggestions when providing consultation and advice to researchers.
- Ability to complete and maintain WHMIS certification and University laboratory safety training.
- Ability to set up, test, and perform measurements using a wide variety of scientific equipment (e.g., electron microscopes, x-ray diffractometers, etc.).
- Ability to use a variety of basic hand and power tools.
- Ability to provide one-on-one and group training to users in the operation of equipment (e.g., electron microscopes, x-ray diffractometers, etc.) and safety standards for experiments.
- Ability to train and provide technical advice to users for their experiments.
- Ability to prepare technical documentation related to the operation, configuration, and maintenance of complex and/or dangerous scientific equipment used in specialized research laboratories (i.e., 4D LABS).
- Ability to exercise mature judgement and initiative.
- Ability to work independently and meet deadlines.
- Ability to use word processing, spreadsheet, database, web content management, calendar and email applications (e.g., Word, Excel, FileMaker Pro, AEM, Google Calendar, SFU Connect) at an intermediate level.
- Ability to lift, move or carry equipment or materials up to 30 kg.
- Ability to work flexible hours.
- **or an equivalent combination of formal education, certificate/program of study and experience is acceptable.

STARTING SALARY: \$2,098.53 (**BI-WEEKLY RATE:** \$2,098.53, **ANNUAL RATE:** \$54,749.18)
START DATE: ASAP

A detailed resume and cover letter quoting **Competition #004** must be received in our office by **4:30 pm on January 15, 2018**, addressed to the attention of Bela Barros, Human Resources Advisor. Please follow the application instructions at:
http://www.sfu.ca/hr/prospective_employees/HowToApply.html.

We thank all applicants for their interest; however, only those selected for interviews will be contacted.

The University is committed to the principle of equity in employment
A more detailed job description may be obtained at www.sfu.ca/jobpostings