Invites applications for the following position(s):

**COMPETITION NUMBER: 016**

C.U.P.E. Local 3338 – Continuing Position

**TECHNICIAN, GRADE 10**

**SCHOOL OF MECHATRONIC SYSTEMS ENGINEERING**

**POSITION NUMBER: 122906**

**POSITION OUTLINE:**
Provides technical support and resource coordination for the operation of the Electronics Workshop at the School of Mechatronic Systems Engineering (MSE). Provides consultation and board fabrication work to faculty, students, and teaching/research assistants in the efficient delivery of instructional and research laboratories and projects. Provides daily technical support and prepares regular maintenance schedules to ensure all laboratory equipment are safe and operational. Assists the supervisor in the implementation and maintenance of MSE laboratory procedures. Performs other duties and responsibilities consistent with the job description and classification on request. Please note: This position is located at Central City, Surrey, BC.

**QUALIFICATIONS:**
- **High school graduation and two years of post-secondary education or formal certificate/diploma program equivalent in mechatronics or electrical/electronics engineering.**
- **3 years of related experience.**
- **Good knowledge of designing, fabricating, and testing electrical/electronic and mechatronic systems and devices.**
- **Excellent knowledge of using CAD/CAE software tools in designing PCB prototypes.**
- **Excellent knowledge of industry standards, applications, and equipment for electrical/electronic engineering research and education.**
- **Excellent knowledge of Workplace Hazardous Material Information System (WHMIS) and laboratory safety procedures (e.g., electrical safety) and equipment.**
- **Excellent knowledge in developing and writing system level programs for fabricated boards (e.g., Assembly, Python).**
- **Excellent knowledge of research and teaching activities in a laboratory environment.**
- **Strong understanding of cost-benefit analysis in decision making.**
- **Excellent organizational skills.**
- **Good analytical reasoning and problem-solving skills.**
- **Good customer service skills.**
- **Excellent technical writing skills.**
- **Excellent oral and written communication skills.**
- **Ability to use electronic test equipment (e.g., oscilloscope, function generators, data acquisition systems, spectrum analyzers, micro-controller development boards) at an advanced level.**
- **Ability to maintain electronic systems (e.g., perform troubleshooting, repairs, installations, upgrades) at an advanced level.**
- **Ability to perform arithmetic, algebraic, and geometric calculations with accuracy.**
- **Ability to read and understand electrical/electronic terms and technical manuals in order to operate, service, and maintain equipment.**
- **Ability to complete and maintain WHMIS certification and university laboratory safety training.**
- **Ability to diagnose and repair electrical and electronics hardware problems.**
- **Ability to use word processing and spreadsheet applications at an intermediate level.**
- **Ability to provide one-on-one and group technical training to others.**
- **Ability to handle confidential/sensitive material with discretion.**
- **Ability to exercise mature judgment and initiative.**
- **Ability to work under pressure with frequent interruptions.**
- **Ability to work flexible hours, including evenings and weekends, often on short notice and based on operational requirements (e.g., emergency situations, when labs not in use).**
- **Ability to lift, move or carry equipment/materials weighing up to 25 kg.**
- **An equivalent combination of formal education, certificate/program of study and experience is acceptable.**
STARTING SALARY: $1,970.48  
(BI-WEEKLY RATE: $1,970.48, ANNUAL RATE: $51,408.44)  
START DATE: ASAP

A detailed resume and cover letter quoting Competition #016 must be received in our office by 4:30 pm on January 29, 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.