JOB POSTING: WAMIC20-04

Job Title:	**Electronics Engineering Research Assistant (Co-op)**
Date:	October 2020
Department:	Research and Innovation Division
Salary:	$14.21 per hour

Located at the Welland Campus of Niagara College, the Walker Advanced Manufacturing Innovation Centre (WAMIC) provides small regional manufacturers access to needed facilities, equipment, technical expertise and serves to assist them in product development, technology adoption, expansion into new markets and commercialization.

MAIN FUNCTIONS: The Electronics Engineering Technology Research Assistant will have a comprehensive skill set to work with Research Leads, Research Project Manager, and Industry Partners in the development of electronic systems. The Research Assistant will report to the Research Project Manager.

DUTIES:
- Assist in the design, building, and testing of electronics systems as required by industry partners' projects
- Assist in troubleshooting, and improving the developed circuits and systems
- Implement robotic-based platforms (i.e. Arduino and Raspberry Pi) and related software
- Assist with the coordination meetings and special events, organize and maintain office files
- Document, edit, report, and track accurate records of assigned project progress and/or events (sign offs, time
- Attend planning or project-specific meetings as required
- Interact regularly with students, research staff, and/or industry partners

EMPLOYMENT REQUIREMENTS:
- Current student of the Electronics Engineering program at Niagara College
- Knowledge of electronics board design, and bill of materials (BOM) preparation and assembly
- Electronics hardware prototyping and development (ex: Arduino, Raspberry Pi)
- Knowledge of real-time requirements for hardware, data and remote control an asset
- Familiarity with wireless communications, sensors and associated sensor system an asset
- Demonstrates high level of organization and time management skills
- Demonstrates great attention to detail, quality, and accuracy
- Capable of working independently and unsupervised
- Ability to be a collaborative member of a team
- Demonstrates an uncompromised commitment to confidentiality
- Ability to take initiative to complete tasks, ask for help, and seek solutions
- Ability to co-ordinate multiple tasks
- Demonstrates creativity in developing new ideas for project development
- Ability to communicate with non-technical and highly technical individuals
- Strong communication (written/oral) and interpersonal skills
- Comfortable making presentations to small/large groups

WORKING CONDITIONS:
- Co-op Placement starting October 2020 for 35 hours per week
- Monday to Friday between 8:30am - 4:30pm.

To apply, please email your resume, cover letter, class schedule and transcript to researchjobs@niagaracollege.ca by **Wednesday, September 30, 2020 by 12 pm**. Please reference posting WAMIC20-04. While we appreciate all applications received, only those candidates selected for an interview will be contacted.