Competition Number: 462-136
Faculty of Engineering and Applied Science
Canada Research Chair (Tier II): Mechatronics, Robotics, and Automation
Assistant or Associate Professor, Tenure-Track/Tenured
Appointment Type: Full-Time Continuing. The position is contingent upon funding.
Application Review Date: May 15, 2016

The Department of Automotive, Mechanical and Manufacturing Engineering at the University of Ontario Institute of Technology (UOIT) invites applications for a Canada Research Chair (CRC) – Tier II appointment in Mechatronics, Robotics, and Automation. Canada Research Chairs are subject to review and approval by the CRC Secretariat. Further details on the CRC Program can be viewed at [http://www.chairs-chaires.gc.ca/](http://www.chairs-chaires.gc.ca/).

The following criteria apply to candidates for this position:

- Tier II Chairs are intended for exceptional emerging scholars (i.e., candidates must have less than 10 years of experience as an active researcher in their field at the time of nomination).
- Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier II Chair assessed through the program’s Tier II justification process, please contact research@uoit.ca for more information.
- The Department requires that the candidate must hold a Ph.D. in a relevant discipline and should demonstrate extensive research experience in Mechatronics, Robotics, and Automation. In addition, the Department requires that the candidate be registered, or eligible for, and committed to, registration as a Professional Engineer (PEng) in the Province of Ontario. For more information regarding eligibility criteria, please consult the Canada Research Chairs website ([http://www.chairs-chaires.gc.ca/](http://www.chairs-chaires.gc.ca/)).

The Department is seeking an internationally recognized researcher with an outstanding record of research and publications in Mechatronics, Robotics, and Automation. The candidate should have demonstrated ability to lead in research in the areas of Mechatronics, Robotics, and Automation. Candidates with a proven track record in experimental research is desirable. In addition, the ideal candidate will have experience leading collaborative/interdisciplinary research teams, including successful collaboration with industry; attract and mentor graduate students; and secure external research funding. It is essential that the candidate demonstrates commitment to research excellence, have the ability to develop collaborative academic and industry research partnerships, the ability to conduct a dynamic and world-class research program and exhibit strong teaching and communication skills. Appointment to this tenure-track or tenured faculty position will be at the Assistant or Associate Professor level,
commensurate with the qualifications of the successful applicant. Additional faculty members are in the process of being hired in this area.

As one of Canada’s newest research universities, the UOIT has grown out of a bold, ambitious vision to take on the grand challenges we face as a society, and find solutions to meet and exceed tomorrow’s needs. The university’s expanding research portfolio fosters discovery, innovation and technology-driven progress in strategic priority areas. UOIT houses more than 70 specialized and modern research laboratories and facilities. Dedicated to the highest standards of research, our faculty experts engage with more than 300 industry partners and collaborators in industry, public and non-governmental organizations. The university strongly encourages interdisciplinary research across the university’s seven faculties. The university’s commitment to research excellence has resulted in millions of dollars in grants and awards, including 11 Canada Research Chairs. For detailed information please visit: http://research.uoit.ca/about/success-in-research/index.php.

By teaching students new approaches to problem solving along with innovative uses of technology, our commitment to scholarship produces new types of graduates: highly engaged citizen leaders with an entrepreneurial spirit; people prepared to excel in the modern workplace, and ready to lead their peers. With more than 10,000 undergraduate and graduate students enrolled in nearly 80 programs delivered by exceptional faculty, the university promotes social engagement, critical thinking and integrates outcomes-based learning experiences inside and outside the classroom.

The Department of Automotive, Mechanical and Manufacturing Engineering (AMME) offers honours undergraduate degrees in Automotive Engineering, Mechanical Engineering, Mechanical Engineering with Energy and Mechatronics options, and in Manufacturing Engineering. Starting from Fall 2016, the existing Mechatronics Engineering option will be phased out, and the Department will offer a stand-alone undergraduate degree program in Mechatronics Engineering. Also offered are degrees in Engineering and Management for each of these programs. The Department also offers Master’s (MASc and MEng) and PhD programs in Mechanical Engineering (with various specializations), Automotive Engineering (MASc, MEng) and a graduate program (MEng) in Engineering Management. The Department is committed to excellence and innovation in interdisciplinary teaching and research, which is relevant to the needs of society and our surroundings. The Department promotes these ideals by emphasizing the integration of knowledge and technology to provide learning and research opportunities for students. Further details can be found at: http://engineering.uoit.ca.

Review of applications will begin on May 15, 2016 or until a suitable candidate is found. Applicants should submit in electronic format (as a single pdf file), a formal letter of application, a curriculum vitae including a list of publications, a statement of teaching interests/experience, an outline of their present and future research as a CRC holder, and three letters of recommendation through the link at the bottom of this posting.

This position falls within the bargaining unit represented by the UOIT Faculty Association and will be subject to the terms and conditions of the collective agreement between the University and the UOIT Faculty Association. The collective
agreement may be found on the Human Resources section of our website. Starting salary will be commensurate with experience and annual salary increases are administered as per the terms outlined in the tenured and tenure track collective agreement.

UOIT is an equal opportunity employer and welcomes applications from qualified women and men, including members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply. The Canada Research Chairs Program imposes no restrictions on nominees with regard to nationality or country of residence. Procedures to allow non-Canadian chair holders to work in Canada have been established by Human Resources and Skills Development Canada and Citizenship and Immigration Canada. Nominated Natural Sciences and Engineering Research Council (NSERC) Canada Research Chairs are subject to review and approval by the CRC Secretariat. Further details on the CRC Program can be found at: http://www.chairs.gc.ca.

UOIT respects people's different needs and therefore will take all reasonable steps to ensure accommodation for applicants where appropriate. If you require an accommodation to participate in the recruitment process, please notify the Human Resources Department.