



Department of Mechanical and Materials Engineering Tenure-Track Faculty Position in Mechatronics

The Department of Mechanical and Materials Engineering, Faculty of Engineering and Applied Science, Queen's University invites applications for a Tenure-track faculty position at the rank of Assistant Professor with specialization in Mechatronics, with a preferred starting date of July 1, 2017.

Candidates must hold a doctoral degree (or be near completion) in mechanical engineering, materials science and engineering or a related area. The main criteria for selection are academic and teaching excellence. The successful candidate will provide evidence of high quality scholarly output that demonstrates potential for independent research leading to peer assessed publications and the securing of external research funding, as well as strong potential for outstanding teaching contributions at both the undergraduate and graduate levels, and an ongoing commitment to academic and pedagogical excellence in support of the department's programs. Candidates must provide evidence of an ability to work collaboratively in an interdisciplinary and student-centred environment. The successful candidate will be required to make substantive contributions through service to the department, the Faculty, the University, and/or the broader community. Salary will be commensurate with qualifications and experience.

This position is part of an exciting new interdisciplinary initiative within the Faculty of Engineering and Applied Science, and across Queen's more broadly. General area of interest is on the interaction of humans and machines, which includes computational and electronic interactions with mechanical devices and biological systems, and the sensing and control of the human environment. Smart vehicles for the road, predictive health management systems, robots for the mine, biosensors and exoskeletons are a few specific examples. Preference will be given to candidates with an outstanding research record and industrial experience. Demonstrated experience in creative design techniques and/or innovative teaching methods would be considered an asset.

The successful candidate is expected to initiate a leading-edge research program, apply for and obtain external funding to support research and graduate students, supervise graduate students and teach undergraduate courses in the *core curriculum* of Mechanical and Materials Engineering as well as graduate courses in their specific areas of research interest. In addition, the successful candidate will be expected to contribute to the development of curriculum and undertake administrative responsibilities through service to the university, faculty, department and profession. Registration as a Professional Engineer in Ontario, or eligibility to acquire registration in Canada, is an essential requirement.

Queen's University is one of Canada's leading research-intensive universities. It is located in historic Kingston on the shores of Lake Ontario. Kingston's residents enjoy an outstanding quality of life with a wide range of cultural, recreational, and creative opportunities.

The Department of Mechanical & Materials Engineering at Queen's University (<http://me.queensu.ca>) has approximately 30 faculty members working in the areas of Materials Engineering, Design & Manufacturing, Biomechanical Engineering, and Energy & Fluid Systems. The Department currently has an enrolment of approximately 480 undergraduate students and over 120 graduate students in the M.A.Sc. and Ph.D. programs. Research in the Department is supported by four research chairs: *Tier 1 CRC in Mechanics of Materials*, *NSERC Industrial Research Chair in Nuclear Materials*, *Tier 1 CRC in Computational Turbulence*, and *Queen's Research Chair in Computational Fluid Dynamics*.

The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal peoples, persons with disabilities and LGBTQ persons. All qualified candidates are encouraged to apply; however, in accordance with Canadian Immigration requirements, Canadian citizens and Permanent Residents of Canada will be given priority.

To comply with federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/permanent residents of Canada. Applicants need not identify their country of origin or citizenship, however, all applications must include one of the following statements: "I am a Canadian citizen/permanent resident of Canada"; OR, "I am not a Canadian citizen/permanent resident of Canada". Applications that do not include this information will be deemed incomplete.

A complete application consists of:

- a cover letter (including one of the two statements regarding Canadian citizenship/permanent resident status specified in the previous paragraph);
- a current Curriculum Vitae (including a list of publications);
- a statement of research interests;
- a statement of teaching interests and experience (including teaching outlines and evaluations if available), and;
- the names and full contact information of three referees.

Review of applications will begin on **March 15, 2017**, however applications will continue to be accepted until the position is filled. Applicants are encouraged to send all documents in their application package electronically as PDFs to Karen Richardson at karen.richardson@queensu.ca, although hard copy applications may be submitted to:

Dr. Kevin Deluzio
Chair, Appointments Committee
Department of Mechanical and Materials Engineering
Room 319, McLaughlin Hall
130 Stuart St
Queen's University
Kingston, Ontario
CANADA K7L 3N6

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact Karen Richardson, Department of Mechanical and Materials Engineering at karen.richardson@queensu.ca.

Additional information about Queen's University, which may be of interest to prospective faculty members, can be found at www.queensu.ca/facultyrecruitment.

Academic staff at Queen's University are governed by a [Collective Agreement](#) between [Queen's University Faculty Association \(QUFA\)](#) and the University, which [collective-agreement](#) and at www.qufa.ca.