



DEPARTMENT OF
Mechanical and
Materials Engineering

**Tenure-Track Faculty Position
in Mechatronics and Robotics
Department of Mechanical and Materials Engineering
Faculty of Engineering and Applied Science
Queen's University at Kingston, Canada**

November 2020

Queen's University is situated on traditional Anishinaabe and Haudenosaunee Territory.

The Department of Mechanical and Materials Engineering in the Faculty of Engineering and Applied Science at Queen's University invites applications for a tenure-track faculty position at the rank of Assistant Professor with specialization in mechatronics and robotics. The preferred start date is July 1, 2021.

Among our top priorities in the Faculty of Engineering and Applied Science is providing opportunities for early career academics to develop distinguished research and exceptional teaching contributions while positively contributing to an environment where all faculty can thrive. To promote on-going success, there is support for course development and delivery that is provided by the Department, the Queen's Centre for Teaching and Learning, and the Faculty of Engineering and Applied Science. Faculty have access to a range of educational technologies including industry-leading instructional design support offered through the [Engineering Teaching and Learning Team](#). Support for faculty to develop strong research programs includes Special Research Grant opportunities, grant writing workshops and review services, and one-to-one mentorship from experienced colleagues.

The successful candidate must have a Ph.D. in Mechanical Engineering, Mechatronics, Robotics, or a related discipline, by the start date of the appointment. The main criteria for selection are: demonstrated excellence in research, including a strong publication record commensurate with years since PhD obtained; expertise that complements existing research areas in the Department; ability to collaborate in a multi-disciplinary research environment; and high potential for excellence in teaching. Professional engineering licensure in Canada, or the eligibility to obtain licensure, is a requirement. Note that all forms of engineering licensure in Canada are considered acceptable (e.g. P.Eng., temporary engineering license, provisional engineering license, etc.). 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. They must be able to teach courses at both the undergraduate and graduate levels, demonstrate an ongoing commitment to academic and pedagogical excellence in support of the department's programs, and provide evidence of an ability to work collaboratively in an interdisciplinary and student-

centered environment. The successful candidate will be required to make contributions through service to the department, the Faculty, the University, and/or the broader community. Salary will be commensurate with qualifications and experience.

The Department of Mechanical and Materials Engineering is comprised of approximately 30 faculty members, 600 undergraduate students and 150 graduate students. Starting in September 2021, the Department will also be jointly offering a new undergraduate degree program in Mechatronics and Robotics Engineering. Research in the Department is supported by four research chairs: a Tier 1 CRC in Computational Turbulence, a Tier 1 CRC in Mechanics of Materials, an NSERC Industrial Research Chair in Nuclear Materials, and a University Network of Excellence in Nuclear Engineering (UNENE) Research Chair in Corrosion Control and Materials Performance. The Department also boasts a number of world-class experimental research facilities, including the Optical Towing Tank for Energetics Research Laboratory ([OTTER Lab](#)) and the Reactor Materials Testing Laboratory ([RMTL](#)). The successful candidate will be encouraged to join Ingenuity Labs, a new interdisciplinary research institute at Queen's focused on combining artificial intelligence, robotics, and human-machine interaction to create future intelligent systems and robotic machines that enhance human productivity, safety, performance, and quality of life. More details about the Department and Ingenuity Labs can be found at [me.queensu.ca](#) and [ingenuitylabs.queensu.ca](#), respectively.

People from across Canada and around the world come to learn, teach and carry out research at Queen's University. Faculty and their dependents are eligible for an extensive benefits package including prescription drug coverage, vision care, dental care, long term disability insurance, life insurance and access to the Employee and Family Assistance Program. You will also participate in a pension plan. Tuition assistance is available for qualifying employees, their spouses and dependent children. Queen's values families and is pleased to provide a 'top up' to government parental leave benefits for eligible employees on maternity/parental leave. In addition, Queen's provides partial reimbursement for eligible daycare expenses for employees with dependent children in daycare. Details are set out in the Queen's-QUFA Collective Agreement. For more information on employee benefits, see [Queen's Human Resources](#).

Additional information about Queen's University can be found on the [Faculty Recruitment and Support](#) website. The University is situated on the traditional territories of the Haudenosaunee and Anishinaabe, 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. Visit [Inclusive Queen's](#) for information on equity, diversity and inclusion resources and initiatives.

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity, and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous/Aboriginal people, women, persons with disabilities, and 2SLGBTQ+ 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 as to 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.

In addition, the impact of certain circumstances that may legitimately affect a nominee's record of research achievement will be given careful consideration when assessing the nominee's research productivity. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions.

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)
- a statement of commitment to – as well as ideas and any experience on how to – ensure equity, diversity and inclusivity in scholarly activities for all under-represented groups in the field of engineering; and,
- the names and contact information of three referees.

The deadline for applications is January 15, 2021. However, applications will continue to be received until the position has been filled. Applicants are encouraged to send all documents in their application packages electronically as PDFs to the Mechanical and Materials Engineering (MME) Administrative Assistant at mmeadmin@queensu.ca, although hard copy applications may be submitted to:

Dr. Keith Pilkey
Professor and Head
Department of Mechanical and Materials Engineering
Room 201, McLaughlin Hall
130 Stuart Street
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 the MME Administrative Assistant at mmeadmin@queensu.ca.

Academic staff at Queen's University are governed by a Collective Agreement between the University and the Queen's University Faculty Association (QUFA), which can be found at <http://www.qufa.ca> and <http://queensu.ca/facultyrelations/faculty-librarians-and-archivists/collective-agreement>.