



DEPARTMENT OF
**Mechanical and
Materials Engineering**

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

January 2020

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, with a preferred starting date of July 1, 2020.

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 fostering 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 or Mechatronics Engineering, or a related discipline, prior to the preferred start date of this appointment. The main criteria for selection are academic and teaching excellence. 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 licence, provisional engineering licence, 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. The candidate must also 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. One notable example is the opportunity to seek membership with the [Ingenuity Labs Research Institute](#), which brings together researchers from across the engineering disciplines and the University to promote interdisciplinary collaborations and innovation. The Institute's focus and expertise spans a continuum: from mechatronic devices, robotics, and cyber-human systems to artificial intelligence and machine learning. The successful candidate will also be expected 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 is comprised of approximately 30 faculty members, 600 undergraduate students and 150 graduate students. Research in the Department is supported by three research chairs: a Tier 1 CRC in Computational Turbulence, a Tier 1 CRC in Mechanics of Materials, and an NSERC Industrial Research Chair in Nuclear Materials. The Department also boasts a number of world-class experimental research facilities, including the Optical Towing Tank for Energetics Research Laboratory ([OTTER Lab](#)), the Reactor Materials Testing Laboratory ([RMTL](#)), and the aforementioned link to the Ingenuity Labs Research Institute. More details about the Department can be found at me.queensu.ca.

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 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 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; and,
- the names and contact information of three referees.

The deadline for applications is March 31, 2020; 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>.