



DEPARTMENT OF
**Mechanical and
Materials Engineering**

**Tenure-Track Faculty Position in Fluid-Structure Interaction;
Department of Mechanical and Materials Engineering Faculty of
Engineering and Applied Science Queen's University at Kingston,
Canada**

March 2023

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 Fluid-Structure Interaction**. The preferred start date is January 1, 2024.

Criteria:

The successful candidate must have a Ph.D. in Mechanical Engineering, 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 and expertise that complements existing research areas in the Department;
- Evidence of high-quality scholarly output that demonstrates potential for independent research leading to peer assessed publications and the securing of external research funding;
- 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;
- Evidence of an ability to work collaboratively in an interdisciplinary and student- centered environment;
- 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 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.

Prior to May 1, 2022, the University required all students, faculty, staff, and visitors (including contractors) to declare their COVID-19 vaccination status and provide proof that they were fully vaccinated or had an approved accommodation to engage in in-person University activities. These requirements were suspended effective May 1, 2022, but the University may reinstate them at any point.

Your Career with Queen's Engineering

Queen's University is one of Canada's leading research-intensive universities. We are focused on being the quality leader in Canadian higher education and are dedicated to promoting research and scholarship of national and international distinction. The Department of Mechanical and Materials Engineering is comprised of approximately 30 faculty members, 700 undergraduate students and 175 graduate students. The Department also offers an undergraduate degree program in Mechatronics and Robotics Engineering jointly with Electrical and Computer Engineering. Research in the Department is supported by four 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. A fifth chair, the Queen's [Chair for Women in Engineering](#), is currently held by the Department, providing support in outreach, teaching, and research. 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](#)); as well as multiple facilities located within [Ingenuity Labs](#) and the [Centre for Health Innovation](#). More details about the Department can be found at me.queensu.ca.

Among our top priorities in the Faculty of Engineering and Applied Science is providing opportunities for early career academics to develop exceptional research and teaching contributions while fostering an inclusive environment where all faculty can thrive. 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. To promote on-going teaching success, there is support for course development and delivery provided by [the Queen's Centre for Teaching and Learning](#), the [Engineering Teaching and Learning Team](#), the Department of Mechanical and Materials Engineering and the Faculty of Engineering and Applied Science. Queen's Engineering is also committed to promoting equity, diversity, and inclusivity in Engineering, supported by the recent establishment of a [Chair for Women in Engineering](#), the new [Engineering Strategic Plan](#), and [Engineering for Everyone](#).

Queen's University is situated on the traditional territories of the Haudenosaunee and Anishinaabe, and Queen's historic campus is located in the heart of the vibrant Kingston community in the Thousand Islands region of Southeastern Ontario. Queen's is positioned centrally with respect to three major metropolitan areas: Toronto, Montreal and Ottawa, and Kingston's residents enjoy an outstanding quality of life with a wide range of cultural, recreational, and creative opportunities. 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 the [Faculty Recruitment and Support](#) website. 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 April 10, 2023. 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 Dept 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 is located <http://queensu.ca/facultyrelations/faculty-librarians-and-archivists/collective-agreement> and at <http://www.qufa.ca>