



DEPARTMENT OF  
Mechanical and  
Materials Engineering

**Tenure-Track Faculty Position in Thermo-Fluids with applications to Sustainable Energy Systems and in association with the Chair for Women in Engineering**

**Department of Mechanical and Materials Engineering  
Faculty of Engineering and Applied Science  
Queen's University at Kingston, Canada**

**May 2022**

*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 thermo-fluids as applied to sustainable energy systems**. This role will also be expected to participate in the initiatives and goals of the recently established [Chair for Women in Engineering](#). The preferred start date is January 1, 2023.

**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;
- evidence of an ability to work collaboratively in an interdisciplinary and student-centered environment.
- a high potential for excellence in teaching with the ability 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 ability to collaborate in a multi-disciplinary research environment, and
- demonstrated experience and a genuine interest in supporting outreach and research training activities undertaken by the newly appointed Chair for Women in Engineering at Queen's University.

- 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.

### **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, 600 undergraduate students and 150 graduate students. 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](#)). More details about the Department can be found at [me.queensu.ca](http://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 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](#). Visit [Inclusive Queen's](#) for more information on equity, diversity and inclusion resources and initiatives

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. Queen's historic campus is located in the heart of the vibrant Kingston community in the Thousand Islands region of South Eastern Ontario. Queen's is positioned centrally with respect to three major metropolitan areas: Toronto, Montreal, and Ottawa. 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 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 June 5, 2022. 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](mailto: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](mailto: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>.