

**The Bruce H. Mitchell Endowed Chair
Ingenuity Labs Research Institute
Department of Electrical and Computer Engineering
Faculty of Engineering and Applied Science
Queen's University at Kingston, Canada**

January 2023

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

The [Department of Electrical and Computer Engineering](#) and Ingenuity Labs Research Institute in the Faculty of Engineering and Applied Science at [Queen's University](#) invites applications for the inaugural **Bruce H. Mitchell Endowed Chair**; a tenured faculty position at the rank of Associate or Full Professor with a specialization that falls within the broad areas of **robotics, intelligent systems and/or applied artificial intelligence**. Exceptional candidates at the rank of Assistant Professor may be considered for a tenure-track position. The preferred start date is January 1, 2024.

Criteria:

The successful candidate must have completed a PhD in electrical engineering, computer engineering, or a related discipline. The Bruce H. Mitchell Endowed Chair will enhance the Institute's dynamic and collaborative research culture by fostering research linkages internally across disciplines and externally among partners. To advance the Chair's success, the successful candidate will be provided with \$1M of research start-up funding with opportunities to leverage and multiply this funding, as well as access to roughly 12,000 sq. ft of open, collaborative research space in the new Mitchell Hall.

The main criteria for selection are:

- Status as an internationally recognized researcher with a record of recognized leadership in their field and evidence of high-quality scholarly output;
- Strong potential to establish external partnerships and attract significant research funding;
- 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.

[Ingenuity Labs Research Institute](#), is a collaborative multidisciplinary research institute established in 2018, focused on the design and use of robots and intelligent systems to enhance human productivity, creativity, safety, and quality of life. Ingenuity Labs was established based on a significant philanthropic gift and brings together researchers from across the engineering disciplines and the University. The Institute's expertise spans a continuum—from artificial intelligence, machine learning, and cyber-human systems, to robot control, smart sensors, and mechatronic devices. Through creativity, collaboration, and invention, Ingenuity Labs researchers strive to facilitate the complex interactions between humans, machines, and infrastructure, as well as their natural and social environments. The Ingenuity Labs Research Institute currently comprises 36 faculty members and nearly 100 graduate and postdoctoral researchers who are leaders in the fields of robotics and AI. Ingenuity Labs is open lab space has the capacity to simultaneously house multiple collaborative research projects, making efficient use of extensive research equipment and resources. The open working space also facilitates knowledge sharing and cross-functional thinking between diverse research groups.

Your Career with Queen's Engineering

Queen's University is one of Canada's leading research-intensive universities with a global reputation and is a recognized leader in Canadian higher education. The Department of Electrical & Computer Engineering comprises 35 full-time and 7 cross-appointed faculty, 966 undergraduate students, and 180 master's and doctoral students. The Department is home to the [Centre for Energy and Power Electronics Research](#) (ePOWER). In addition to Ingenuity Labs, the successful candidate will have the opportunity to collaborate with the many other units, research centres, and institutes at Queen's, including the [Department of Mechanical & Materials Engineering](#), the [School of Computing](#), the [Scotiabank Centre for Customer Analytics](#), the Centre for Neuroscience Studies, and the [Centre for Health Innovation](#), to name a few. Queen's Engineering is also host to a new undergraduate degree program in [Mechatronics & Robotics Engineering](#) that brings together three engineering disciplines: computer, electrical, and mechanical engineering. Through new custom courses, a hands-on experience, and progressive design projects, students will think objectively and acquire the skills to succeed in a versatile engineering career.

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 Electrical and Computer 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 [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 strongly encouraged to apply.** 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 or 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 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 preceding paragraph);
- a statement of research vision and interests;
- a statement of teaching interests, experience, and philosophy (including teaching outlines and evaluations if available);
- a current Curriculum Vitae (including a list of publications);
- a statement of commitment to as well as ideas and any experience about how to ensure equity, diversity, and inclusivity in scholarly activities; and
- the names and contact information of three referees.

The Appointments Committee will begin consideration of candidates on May 1, 2023, and will continue until the position is successfully filled.

Applicants are encouraged to send all documents in their application packages electronically as one single PDF file to the Mitchell Chair Appointments Committee c/o Ms. Shelly Stilson, Administrative Assistant, via e-mail to ece-search@queensu.ca, although hardcopy applications may be submitted to:

Ms. Shelly Stilson
Administrative Assistant
Department of Electrical & Computer Engineering
Room 416, Walter Light Hall, 19 Union Street
Queen’s University
Kingston, Ontario K7L 3N6 Canada

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that considers an applicant’s accessibility needs. If you require accommodation during the interview process, please contact Ms. Shelly Stilson in the Department of Electrical and Computer Engineering via e-mail at ece-search@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 posted by the [Faculty Relations Office](#) and at www.qufa.ca.