Tenure-Track Faculty Position in Applications of Artificial Intelligence in Engineering
McGill University

Job Title	Tenure-Track Faculty Position in Applications of Artificial Intelligence in Engineering
Department	Electrical & Computer Engineering http://mcgill.ca/ece
Institution	McGill University Montreal, Quebec
Date Posted	Dec. 20, 2024
Application Deadline	Open until filled
Position Start Date	Aug. 1, 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering Computer Science Engineering - Other
Apply Online Here	https://mcgill.wd3.myworkdayjobs.com/en-US/McGill_Careers/job/McConnell-Eng-Bldg/Assistant-Professor-Applications-of-Artificial-Intelligence-in-Engineering_JR0000061737
Apply By Email	

Job Description

The Department of Electrical and Computer Engineering at McGill University, Montreal, Canada,

Tenure-Track Faculty Position in Applications of Artificial Intelligence in Engineering
McGill University

invites applications for a tenure-track appointment at the rank of Assistant Professor in the broad area of Applications of Artificial Intelligence in Engineering. Exceptional candidates at other ranks will also be considered.

McGill University is among the top research-intensive academic institutions in Canada and is consistently ranked in the top universities worldwide. Successful candidates will play leading roles in maintaining McGill's international reputation of excellence in research, teaching, and service.

We are interested in candidates that apply machine learning and data-driven methods to applications in engineering, broadly in areas related to computer, electrical and software engineering. Some examples of areas of interest include, but are not limited to:

- Communications and Signal Processing
- Hardware Architecture, Embedded Systems, and Software Engineering
- Secure, Reliable and Ethical AI, and AI in Public Policy
- Sustainability and Energy-efficient Learning Systems
- Robotics and Control, Sim2Real, Policy Design and Reinforcement Learning
- Computer Vision, Medical Imaging and Multi-modal Understanding
- Computer Graphics, Human-computer Interaction and Haptics

The expected start date is August 1, 2025.

The successful candidate will be expected to build an internationally-competitive group that conducts high-quality research, securing internal and external funding in support of their equipment and research team building needs.

Salary will be commensurate with qualifications and experience. The successful candidate will be nominated to become affiliated to Mila (Quebec AI Institute) and the outstanding candidate with appropriate specialization(s) may be eligible for nomination to a CIFAR Chair in AI, pending availability.

The Department is committed to excellence in teaching in its undergraduate and graduate programs in Electrical, Computer and Software Engineering, and values service contributions of its Faculty members to the University, the profession, and society at large.

Tenure-Track Faculty Position in Applications of Artificial Intelligence in Engineering
McGill University

Candidates should have or soon expect to complete a Ph.D., preferably with an undergraduate degree in electrical, computer or software engineering. Evidence of outstanding research achievements is indispensable, particularly in the areas of applied machine learning, reinforcement learning, artificial intelligence, or applications of these methods in other fields – this can be demonstrated, in part, with a strong publication record in top-tier peer-reviewed venues.

Preferred qualifications include dedication to an environment that supports diversity of population and perspectives; as our students come from a wide range of disciplines, cultures, and backgrounds, we invite candidates to address in their application their ability to teach, supervise, and mentor in this context. The successful candidate will show a strong commitment to the mission of the University, through outstanding activities in the areas of research, teaching and service. Membership or eligibility for membership in a Canadian professional engineering association is required.

Candidates should submit a complete application package, consisting of:

- A cover letter
- A curriculum vitae including a list of publications
- A research statement
- A teaching statement
- A statement on equity, diversity and inclusion
- The names and email addresses of three references

Applications will be reviewed beginning January 20, 2025 and will continue until the position is filled. Depending on feasibility, interviews may be conducted either in person or remotely.

Application materials should be submitted to link to Workday https://mcgill.wd3.myworkdayjobs.com/en-US/McGill_Careers/job/McConnell-Eng-Bldg/Assistant-Professor-Applications-of-Artificial-Intelligence-in-Engineering_JR0000061737

For more information about the Department of Electrical and Computer Engineering, please visit our website at: mcgill.ca/ece. Inquiries may be sent to the Chair of the Department, Warren Gross, at chair.ece@mcgill.ca

Montreal is a cosmopolitan city in the heart of Quebec and home the largest population of university institutions and students in Canada and tied for first in North America. Montreal is consistently ranked at the top of the best cities worldwide for post-secondary studies. The city is home to a very active academic and industrial community, including university-led machine learning institutes such as the Mila – The Quebec Artificial Intelligence Institute – which receives considerable government funding.

Tenure-Track Faculty Position in Applications of Artificial Intelligence in Engineering
McGill University

Moreover, members from many industry-led research groups (Google, Facebook, Microsoft, Samsung, ElementAI/ServiceNow, Borealis, Thales) work closely with faculty in the Department of Electrical and Computer Engineering.

McGill University is a top-tier research-intensive academic institution in Canada and has consistently been ranked among the top universities worldwide across all reputable ranking surveys. Its collegial environment with opportunities for interaction with world-class researchers spans all applied and theoretical technical fields.

EEO/AA Policy

McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.

At McGill, research that reflects diverse intellectual traditions, methodologies, and modes of dissemination and translation is valued and encouraged. Candidates are invited to demonstrate their research impact both within and across academic disciplines and in other sectors, such as government, communities, or industry.

McGill further recognizes and fairly considers the impact of leaves (e.g., family care or health-related) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that affected productivity, or that may have had an effect on their career path. This information will be considered to ensure the equitable assessment of the candidate’s record.

McGill implements an employment equity program and encourages members of designated equity groups to self-identify. It further seeks to ensure the equitable treatment and full inclusion of persons with disabilities by striving for the implementation of universal design principles transversally, across all facets of the University community, and through accommodation policies and procedures. Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, this email.

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration

Tenure-Track Faculty Position in Applications of Artificial Intelligence in Engineering
McGill University

requirements, Canadians and permanent residents will be given priority.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Warren Gross
Electrical & Computer Engineering
McGill University
Montreal, QC
Canada

Contact E-mail chair.ece@mcgill.ca