

**Faculty Position in Electrical Engineering specializing in Artificial Intelligence Ryerson University
Department of Electrical, Computer and Biomedical Engineering, Canada.**

Description

Located in the heart of downtown Toronto, the largest and most culturally diverse city in Canada, Ryerson University is known for innovative programs built on the integration of theoretical and practical learning. Our undergraduate and graduate programs are distinguished by a professionally focused curriculum with a strong emphasis on excellence in teaching, scholarly, research and creative activities. Ryerson is also a leader in adult learning, with the largest university-based continuing education school in Canada, and Ryerson engineering is ranked among the Top 10 engineering schools in Canada by Maclean's and US News.

Position Requirements

The Department of Electrical, Computer, & Biomedical Engineering in the Faculty of Engineering and Architectural Science at Ryerson University, invites applications for **ONE** full-time **tenure-track position** in Electrical and Computer Engineering, at the **Assistant Professor** level, with a start date of **July 1, 2020**, subject to final budgetary approval.

Faculty Position in Electrical Engineering specializing in Artificial Intelligence

Candidates **must** have a Ph.D. degree by the time of appointment in Electrical Engineering or Computer Engineering, or a Ph.D. degree in related disciplines. The ideal candidate should be able to demonstrate sound expertise and specialization in artificial intelligence and machine learning, and their application to areas such as computer vision, signal processing (audio, image, video, etc.), consumer electronics, cyber security, energy and power systems.

In addition, the following are expectations for all candidates in the above-mentioned position:

- Demonstrate **strong** experience in undergraduate course development and teaching. Ability to **effectively** teach key fundamental and applied electrical engineering courses;
- Strong research profile with evidence of peer reviewed publications/contributions and external grants (and/or participation in group grants) of an internationally competitive caliber.
- Demonstrated ability to establish and maintain an independent, externally funded research program;
- Evidence of research collaborations or strong potential/ability to attract industrial collaborative initiatives;
- Evidence of **strong** undergraduate guidance in Design and Innovation (Industrial experience or previous experience of guiding students and researchers will be a definite asset);
- Demonstrated (or the ability to participate in) leadership activities in collegial internal & external service.

Professional Engineering (P.Eng.) registration in the province of Ontario (or eligibility to register) is a necessary condition for appointment. Please clearly indicate your status or eligibility. All candidates must also have a demonstrated commitment to upholding the values of equity, diversity, and inclusion as it pertains to service, teaching, and scholarly, research or creative activities.

Department of Electrical, Computer, and Biomedical Engineering

The Department currently has 41 full-time faculty members, 14 support staff members, over 1100 undergraduate students pursuing bachelor of engineering degrees in Electrical Engineering, Computer Engineering, and Biomedical Engineering, as well as over 300 graduate students enrolled in [M.A.Sc.](#), M.Eng., and Ph.D. programs. The faculty members of the Department are engaged in research over a broad spectrum of electrical, computer, and biomedical engineering that includes the following: digital signal processing, multimedia, integrated circuits, microsystems, biomedical signal processing, bioinformatics, control systems, robotics, computer architecture, computer networks, digital communications, embedded systems, electromagnetics, wireless sensor networks, wireless and optical communications, power electronics and power systems. The 2017 Performance Ranking of Scientific Papers for World Universities (also known as NTU Ranking) ranked Ryerson's Electrical & Computer Engineering Department among the Top 10 in Canada and 148th in the world, with citation impact ranking 4th in Canada and 115th in the world. This is a testament to the caliber of our faculty. Specifically, the department is home to three fellows of the Canadian Academy of Engineering, two IEEE Fellows, one 3M Teaching Fellow, two NSERC Industrial Research Chair, three Canada Research Chairs, and many other faculty members who have distinguished themselves with various prestigious awards including Premier Research Excellence awards, Ryerson Research Chair awards, FEAS research/teaching excellence awards and investments/grants from CFI, MRI, OCE, NSERC, CIHR, CHRP, and industry. More information can be found at: <http://www.ecb.ryerson.ca>.

HOW TO APPLY

All qualified candidates are invited to apply by **January 31, 2020**.

Applicants must visit <http://hire.ecb.ryerson.ca> to apply.

The application must contain the following: a letter of application, a curriculum vitae, a statement of research interests, teaching and research philosophies, results of teaching evaluations (or equivalent evidence, such as a teaching dossier), and the names of at least 3 individuals who may be contacted for reference letters. Please **CLEARLY** indicate in your application if you are a Canadian Citizen or a permanent resident of Canada.

Ryerson recognizes that scholars have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Search committee members have been instructed to give careful consideration to diverse experiences and knowledges, and be sensitive to the impact of career interruptions in their assessments.

Equity at Ryerson University

At the intersection of mind and action, Ryerson is on a transformative path to become Canada's leading comprehensive innovation university. Integral to this path is the placement of equity, diversity and inclusion as fundamental to our institutional culture. Our current academic plan outlines each as core values and we work to embed them in all that we do.

Ryerson University welcomes those who have demonstrated a commitment to upholding the values of equity, diversity, and inclusion and will assist us to expand our capacity for diversity in the broadest sense. In addition, to correct the conditions of disadvantage in employment in Canada, we encourage applications from members of groups that have been historically disadvantaged and marginalized, including First Nations, Metis and Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+. Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.

As an employer, we are working towards a people first culture and are proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer for 2015-2019. To learn more about our work environment, colleagues, leaders, students and innovative educational environment, visit ryerson.ca, check out @RyersonU, @RyersonHR and @RyersonEDI on Twitter, and visit our LinkedIn company page.

This position falls under the jurisdiction of the Ryerson Faculty Association (RFA) (www.rfanet.ca). The RFA collective agreement can be viewed at: <http://bit.ly/2yRPeF6> and a full summary of RFA benefits can be found at: <http://bit.ly/2ha7X5j>.