Canada Research Chair (Tier 2) in Electric Power Engineering

Posted: November 2, 2018
Deadline to Apply: January 15, 2019

The Department of Electrical Engineering and Computer Science at York University invites applications for a tenure-track appointment at the rank of Associate or Assistant Professor, commensurate with qualifications, to commence July 1, 2019. The successful candidate will be nominated for a Tier 2 Canada Research Chair. We are seeking outstanding candidates with expertise in Electric Power Engineering, including but not limited to applications of artificial intelligence in power system security, protection in modern power systems, smart grids, or electric vehicles.

The Canada Research Chairs (CRC) program seeks to attract outstanding researchers for careers at Canadian universities. Tier 2 Chairs are intended for exceptional emerging scholars (i.e., who, at the time of nomination, are within 10 years of attaining their highest degree, with consideration for career breaks) who have the acknowledged potential to lead their field of research. Appointment to a Tier 2 Chair is for five years, is renewable once, and comes with enhanced research support, access to infrastructure funding and other support from the program directly and from the university. Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Canada Research Chair assessed through the program's Tier 2 justification process. Please see the CRC website (http://www.chairs-chaires.gc.ca/) for further eligibility details.

The successful candidate must have a PhD in Electrical Engineering, and a research record commensurate with rank. The successful candidate is expected to develop a strong, externally funded independent research program, supervise graduate students and postdoctoral fellows, and must be eligible for prompt appointment to the Faculty of Graduate Studies. The successful candidate will have the ability to participate in new or existing partnerships with industry and/or other public institutions, and demonstrate excellence, or promise of excellence in leadership, teaching and scholarly research and curricular innovation at the undergraduate and graduate level in Electrical Engineering. The candidate must have the potential to achieve international recognition in the field and must demonstrate evidence of impact, such as peer reviewed publications/contributions, patents, public policy contributions, book chapters, etc. The successful candidate shall also demonstrate their commitment to the engineering profession by being licensed as a Professional Engineer or by becoming licensed soon after appointment.

The Department of Electrical Engineering and Computer Science at York University is one of the leading academic and research departments in Canada with over 50 research-

active faculty members, offering a range of undergraduate programs in Electrical Engineering, Computer Engineering, Software Engineering, Computer Science, Computer Security, and Digital Media, as well as research intensive MSc, MASc and PhD degrees.

Established in 2012, the Lassonde School of Engineering, York University offers a broad range of undergraduate and graduate programs in engineering, computer science and earth and atmospheric science. This $250 million initiative includes hiring 100 new faculty and staff, expanding the student body by 1500, and fostering an inclusive and diverse culture committed to advancing gender parity. We have created a culture where tomorrow's professionals are becoming Renaissance Engineers™ – multidisciplinary problem solvers, critical thinkers, leaders and entrepreneurs who understand creativity, communications, social responsibility, and cultural diversity. We seek committed faculty who can contribute to our innovative approaches to incorporating research in the curriculum, experiential education, technology enhanced learning and other pedagogical innovations.

Further information about the Lassonde School of Engineering, with departmental link for Electrical Engineering and Computer Science, is available at http://lassonde.yorku.ca/

The EECS Department and the Lassonde School of Engineering are committed to addressing the historical underrepresentation of women in Engineering and Computer Science by providing a welcoming and supportive environment for all who wish to study, practice and undertake research in engineering. Our commitment to this goal is exemplified by the Lassonde 50:50 challenge, which aims to promote gender equity at all levels of the academic and professional pipeline. York is a large and diverse institution located in Canada's largest city and there are many opportunities and support for collaboration, both on campus and within the wider community.

For this nomination, we are particularly interested in candidates with diverse backgrounds and especially encourage candidates in equity, diversity and inclusion categories, including members of the four designated groups (women, members of visible minorities (racialized groups), Indigenous peoples and persons with disabilities) to apply. York acknowledges the potential impact that career interruptions (e.g. maternity leave, leave due to illness, etc.) can have on a candidate's record of research achievement. Applicants are encouraged to explain in their application the impact that career interruptions may have had on their record of research achievement; this will be taken into careful consideration during the assessment process.

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to women, members of visible minorities (racialized groups), Aboriginal (Indigenous) people and persons with disabilities, can be found at www.yorku.ca/acadjobs/ or by calling the AA line at 416-736-5713. Applicants wishing to self-identify can do so by downloading, completing and submitting the forms found at: http://acadjobs.info.yorku.ca/. Please select the Affirmative Action tab under which forms pertaining to Citizenship and AA can be found. Qualified candidates are encouraged to apply; however, Canadian citizens, Permanent Residents and Indigenous peoples in Canada will be given priority.

York University has a policy on Accommodation in Employment for Persons with Disabilities and is committed to working towards a barrier-free workplace and to expanding the accessibility of the workplace to persons with disabilities. If you require accommodation at any time during the hiring process, please contact Dr. Peter Cribb, Chair, Department of Electrical Engineering & Computer Science at peterc@eecs.yorku.ca.

Applicants should complete the online application process at http://lassonde.yorku.ca/new-faculty. A complete on-line application shall include a cover letter indicating the rank for which the candidate wishes to be considered, a detailed curriculum vitae, statement of contribution to research, teaching, and curriculum development, three sample research publications, as well as the names and contact information for three people who have agreed to provide reference letters. Complete applications must be received by **January 15, 2019.** *All York University positions are subject to budgetary approval.*