

Canada Research Chair (Tier 2) in Science or Engineering

Lassonde School of Engineering, York University

Date Posted: November 5, 2021

Application Deadline: January 31, 2022

The Lassonde School of Engineering, York University invites highly qualified candidates to apply for a professorial stream tenure-track appointment in any field that is a current or developing area of strength of the Lassonde School of Engineering (described in the numbered list below) at the Assistant or Associate Professor level, to commence July 1, 2022. The successful candidate will be nominated for a NSERC Tier 2 Canada Research Chair in Science or Engineering. The successful candidate will be appointed to a department best suited to their research and teaching. Salary will be commensurate with qualifications and experience. All York University positions are subject to budgetary approval.

Lassonde School of Engineering is committed to providing a welcoming and supportive environment for all who wish to study, teach and conduct research. For this search, only candidates who self-identify as a member of an underrepresented group may apply. This includes women, Aboriginal (Indigenous), Black peoples of African Descent (for example Africans and African heritage people from the Caribbean, Americas, Europe) and persons with disabilities.

This appointment is contingent upon a successful nomination to the Canada Research Chairs program (<http://www.chairs-chaires.gc.ca/>) at the Tier 2 level.

A PhD in a relevant field of Science or Engineering is required, with a demonstrated record of excellence in research and in teaching. Applicants should have a clearly articulated program of research and specialize in one or more of the following areas:

- (1) *Earth or Space Sciences*
- (2) *Vision Research*
- (3) *Computing Research*
- (4) *Technology Entrepreneurship or Knowledge Mobilization*
- (5) *AI, Society or Mobility*
- (6) *Water Security or Environmental Engineering*
- (7) *Materials, Energy or Sustainability*
- (8) *Automation in Health Systems and Technology*
- (9) *Critical Infrastructure*

The successful candidate will be expected to engage in outstanding, innovative, and as appropriate, externally funded research at the highest level. If the successful candidate is in an Engineering field, commitment to the engineering profession shall be demonstrated by being licenced as a Professional Engineer in the province of Ontario or by becoming licenced soon after appointment.

Candidates must provide evidence of research excellence of a recognized international calibre as demonstrated in: the research statement; a record of publications (or forthcoming publications) with significant journals in the field; presentations at major conferences; awards and accolades; success in acquiring and administering research grant funding; research supervision of students and other highly qualified personnel (HQP); and strong recommendations from referees of high standing.

The position will involve graduate teaching and supervision, as well as undergraduate teaching and the successful candidate must be suitable for prompt appointment to the Faculty of Graduate Studies.

Evidence of excellence in teaching will be provided through: the teaching statement; teaching accomplishments and pedagogical innovations including in high priority areas such as experiential education and technology enhanced learning; teaching evaluations; and strong letters of reference.

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.

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.

Established in 2012, the Lassonde School of Engineering, York University offers a broad range of undergraduate and graduate programs to educate multidisciplinary problem solvers, critical thinkers, and entrepreneurs who understand creativity, communications, social responsibility, and cultural diversity. Further information is available at <https://lassonde.yorku.ca/>.

York is a leading international teaching and research university, and a driving force for positive change. Empowered by a welcoming and diverse community with a uniquely global perspective, we are preparing our students for their long-term careers and personal success. Together, we can make things right for our communities, our planet and our future.

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. Candidates who require accommodation during the selection process are invited to contact Prof. John E. Moores, Chair of the Search Committee at ad.research@lassonde.yorku.ca.

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 as part of York University's Affirmative Action program can do so as part of the online application process. For this search, only candidates who self-identify as a member of one or more of the following underrepresented groups may apply: women,

Aboriginal (Indigenous), Black peoples of African Descent (for example Africans and African heritage people from the Caribbean, Americas, Europe) and persons with disabilities.

All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents and Indigenous peoples in Canada will be given priority. No application will be considered without a completed mandatory Work Status Declaration form which is included as part of the online application process.

The deadline for receipt of completed applications is **January 31st, 2022**. You should complete the online application process at <https://apply.lassonde.yorku.ca>. A letter of application (indicating the rank you wish to be considered for), an up-to-date curriculum vitae, statements of contribution to research, teaching and curriculum development, teaching evaluations, three sample research publications and the names and contact information for three people who have agreed to provide reference letters.