

Canada 150 Research Chairs

Lassonde School of Engineering, York University

The Lassonde School of Engineering, York University seeks to identify and nominate emerging or established leaders in research areas related to their programs in the Department of Electrical Engineering and Computer Science and in the Department of Earth and Space Science and Engineering. Successful candidates will be nominated for a Canada 150 Research Chair to commence July 1, 2018.

Specific research areas of interest for nominees in the Department of Earth and Space Science and Engineering include Geomatics Science and Engineering, particularly Data Science, Machine Learning or Deep Learning for Spatial Data Analytics and Visualization. Outstanding candidates in other areas of Earth Science, Atmospheric Science, Planetary Science, Geomatics Engineering and Space Engineering are also encouraged to apply.

The Department of Electrical Engineering and Computer Science invites outstanding candidates in all areas of Computer Engineering, Computer Science, Digital Media, and Electrical Engineering to apply. Specific research areas of interest include Computer Security with an emphasis on Software Security and Knowledge Representation and Reasoning.

These are tenure-stream positions, rank open, and conditional on the successful nomination of the applicant as a Canada 150 Research Chair. Canada 150 Chairs are a new initiative of the Canadian federal government providing Canadian institutions with a one-time investment to attract top-tier, internationally based scholars and researchers to Canada. Appointments to Canada 150 Chairs are for 7 years and are accompanied by a full-time tenure-stream faculty position. Further information about the Canada 150 Research Chair program is available at <http://www.canada150.chairs-chaires.gc.ca>. To be eligible for this award, nominees must be internationally based at the time of the application (both working and residing outside of Canada), including Canadian expatriates.

The successful candidates will have PhD in a field directly related to programs offered by the department and a record of excellence in scholarly research including publications appropriate to their stage of career. The successful candidates will demonstrate excellence, or promise of excellence, in teaching and graduate supervision and be eligible for prompt appointment to the Faculty of Graduate Studies. For junior candidates, preference will be given to those with a prior faculty appointment and a minimum of three years of postdoctoral experience, or equivalent qualifications, and a track record including a funded research program.

For these nominations, York is particularly interested in candidates with diverse backgrounds and especially encourages candidates in equity, diversity and inclusion categories. York acknowledges the potential impact that career interruptions can have on a candidate's record of research achievement and encourages applicants to explain in their application the impact that career interruptions may have had on their record of research achievement. 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 Aboriginal people, visible minorities, people with disabilities, and women, can be found at www.yorku.ca/acadjobs or by calling the AA office at 416-736-5713.

Applicants should complete the on-line application process at <https://lassonde.fluidreview.com/>

Applicants should submit a package of materials as follows: a signed letter of application expressing interest in being nominated for a Canada 150 Research Chair, outlining professional experience and research interests, and indicating the rank for which the candidate wishes to be considered; an up-to-date curriculum vitae; a

statement of contribution to research, teaching, and curriculum development; three sample research publications; and names and contact information (full mailing address, phone number, e-mail address) of three people who have agreed to provide reference letters.

The deadline for applications is **July 28, 2017**. Salary will be commensurate with qualifications and experience. All York University positions are subject to budgetary approval.

About the Lassonde School of Engineering and the Departments

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 is available at <http://lassonde.yorku.ca/>

The Department of Electrical Engineering and Computer Science at York University is one of the leading academic and research departments in Canada with more than 55 research-active faculty members, offering a range of undergraduate programs in Computer Science, Digital Media, Computer Security, Electrical Engineering, Computer Engineering, and Software Engineering, as well as research intensive MSc, MASc and PhD degrees.

The Department of Earth and Space Science and Engineering at the Lassonde School of Engineering offers undergraduate (BEng and BSc) and graduate (MSc and PhD) programs in Geomatics Engineering, Space Engineering, Geomatics Science, Space Science, and Atmospheric Science that develop students' critical thinking and problem-solving abilities needed for current and future technical leadership roles in industry, government and academia.

Further information about the Lassonde School of Engineering, with departmental link for the Department of Electrical Engineering and Computer Science and the Department of Earth and Space Science and Engineering can be found at <http://lassonde.yorku.ca/>.