

York University is the leading interdisciplinary research and teaching university in Canada. York offers a modern, academic experience at the undergraduate and graduate level in Toronto – Canada's most international city. The third largest university in the country, York is host to a dynamic academic community of 62,000 students, faculty and staff, as well as 240,000 alumni worldwide. York's 10 Faculties and 28 research centres conduct ambitious, groundbreaking research that is interdisciplinary, cutting across traditional academic boundaries.

York University is delighted to announce a \$100M transformative expansion that will lead to the creation of the Lassonde School of Engineering. Supported by a generous donation from Pierre Lassonde and by the Government of Ontario and York University, this ambitious project builds on the successes of the present School of Engineering, which currently offers fully accredited and innovative programs in Computer Engineering, Geomatics Engineering and Space Engineering, as well as a new program in Software Engineering (eng.yorku.ca). The planned expansion will lead to new programs in Mechanical Engineering, Civil Engineering, Chemical Engineering, and Electrical Engineering.

Drawing on York University's strengths, not only in engineering and the sciences but also in business, law, the humanities, and social sciences, the future Lassonde School of Engineering will ensure that engineering students are broadly educated to support future economic and social development. By embodying York University's core values of social responsibility, global citizenship and interdisciplinary education, the new Lassonde School of Engineering will provide a unique approach to developing a new generation of entrepreneurial engineers with a social conscience.

This major initiative provides a unique opportunity for both senior and junior faculty to help lead the creation of innovative teaching and research programs that integrate the diverse areas of Engineering, Law, Business, Sciences and Humanities within the multidisciplinary environment of York University.

School of Engineering

TENURE-STREAM POSITIONS

MECHANICAL AND CIVIL ENGINEERING: TWO LEADERSHIP POSITIONS

We seek two experienced leaders at the Full Professor rank, one in Mechanical Engineering and one in Civil Engineering, both with established international research reputations, and a demonstrated commitment to excellence in teaching and innovative curriculum development. These individuals will assume leadership positions in building new and inspiring programs in Mechanical Engineering and Civil Engineering. Working with a team, the successful candidates will be responsible for providing the core academic leadership in the development of new programs, including implementing and further developing the strategic vision for the new Lassonde School of Engineering, planning, establishing state-of-the-art infrastructure, and leading faculty recruitment. Candidates from all areas of Civil and Mechanical Engineering are encouraged to apply.

CIVIL ENGINEERING: ONE POSITION

In addition to the leadership position above, we seek outstanding candidates for an Assistant or Associate Professor position in Civil Engineering. The successful applicant will have a strong and growing international research reputation, as well as a strong interest in teaching and innovative curriculum development. This position will play a key role in the establishment of a new Civil Engineering program at York University, in collaboration with other new and existing faculty members. Candidates from all areas of Civil Engineering are encouraged to apply.

ELECTRICAL ENGINEERING: THREE POSITIONS

We seek outstanding candidates in Electrical Engineering in a wide range of specialties, including,

but not limited to: Power Systems, Electronics, and Medical Devices. Exceptional applicants from other areas in Electrical Engineering will also be considered. Ranks are open and commensurate with experience. These positions will play key roles in the establishment of a new Electrical Engineering program at York University, in collaboration with other new and existing faculty members.

SPACE ENGINEERING: TWO POSITIONS

We seek outstanding candidates for an Assistant or Associate Professor position in Space Engineering, with a commitment to liaising between Space Engineering and Mechanical Engineering. The ideal candidate would demonstrate substantial experience in topics such as: heat transfer and thermodynamics; space materials; smart composite materials for lightweight space structures; thermal and mechanical coatings; space propulsion; spacecraft control; spacecraft systems and design; multidisciplinary design optimization.

We also seek outstanding candidates for an Assistant Professor position in Space Engineering with expertise in areas including, but not limited to: space electronic systems; space communications; spacecraft navigation and control; space instrumentation; spacecraft/satellite design; solid state physics with applications to space; space/planetary exploration; space environment; ground testing.

GENERAL CONSIDERATIONS

Candidates must have a strong commitment to engineering research and the profession, and be effective educators. Candidates must hold earned undergraduate and PhD degrees in the relevant Engineering field, or a closely related discipline. Successful candidates shall demonstrate commitment to the engineering profession by being licensed as a Professional Engineer, or by becoming licensed

soon after appointment. Candidates must have the strategic skills and vision necessary to advance the School of Engineering towards higher levels of excellence within a rapidly evolving multidisciplinary and high-technology environment. Candidates for the Professor and Associate Professor positions must have international recognition in their specific discipline(s) with a record of excellence in technical, academic and professional achievements. For the Assistant Professor appointments, candidates must have a growing international research reputation as well as a strong interest in teaching and state-of-the-art curriculum development. All successful candidates must be eligible for prompt appointment to the Faculty of Graduate Studies.

Positions will commence **July 1, 2012 and/or January 1, 2013**, subject to budgetary approval.

Applications must be received by **February 15, 2012**. Applicants should forward a curriculum vitae and a statement of their contributions to research, teaching and curricular development, and arrange for three reference letters to be sent to: **Chair, Search Committee, School of Engineering, Lassonde Building 1012M, York University, 4700 Keele Street, Toronto, Ontario, Canada, M3J 1P3. Tel: 416.650.8215. Fax: 416.650.8135. E-mail: eng@yorku.ca Website: <http://eng.yorku.ca/>**

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's web site at www.yorku.ca/acadjobs or a copy can be obtained by calling the affirmative action office at **416.736.5713**. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.