



Contents

- Executive Summary
- York University
- Lassonde School of Engineering
- Appointment of the James and Joanne Love Chair in Environmental Engineering
 - Person Specification
 - Duties and Responsibilities
- Appointment Process and How to Apply
- The City of Toronto



Executive Summary

York University is helping to shape the global thinkers and thinking that will define tomorrow. York is Canada's third largest university, with a commitment to excellence which reflects a rich diversity of perspectives and a strong sense of social responsibility that sets it apart.

Established in 2012, the Lassonde School of Engineering is a highly-ambitious \$250-million academic start-up at York University. Led by its founding Dean, Janusz Kozinski, the School's mission is to grow a place where students love to learn and where people love to work. The School aspires to be one of the leaders in energy research and environmental stewardship.

In alignment with their Strategic Research Plan the School now seeks to appoint the James and Joanne Love Chair in Environmental Engineering, in the Department of Civil Engineering. The successful candidate will be a research leader in the field of environmental engineering, with a strong research portfolio in all aspects of fundamental and applied research and development activities in the fields of water security, sustainable groundwater sources, smart environmental technologies for renewable energy and climate change adaptation and environmental protection and sustainability. The term will be for an initial five-year period, renewable for a further five years subject to review.

It is expected that the successful appointee will work on the intersecting areas of environment and its impact on the overall wellbeing of the global community. The James and Joanne Love Chair in Environmental Engineering will enrich faculty and student research, broaden and enliven the teaching endeavour, and inculcate a deep sense of environmental stewardship in graduates.



York University

Mission

The mission of York University is the pursuit, preservation, and dissemination of knowledge. We promise excellence in research and teaching in pure, applied and professional fields. We test the boundaries and structures of knowledge. We cultivate the critical intellect. York University is part of Toronto: we are dynamic, metropolitan and multi-cultural. York University is part of Canada: we encourage bilingual study, we value diversity. York University is open to the world: we explore global concerns. A community of faculty, students, staff, alumni and volunteers committed to academic freedom, social justice, accessible education, and collegial self-governance, York University makes innovation its tradition. - Tentanda Via The way must be tried. *Campuses*

Facilitated across two campuses, York is Canada's third largest university with over 55,000 students, 7,000 faculty and staff, more than 250,000 alumni, and a budget in excess of \$930 million per annum. York's primary campus, The Keele Campus, is located in the north of the City of Toronto. It is the largest post-secondary campus in Canada at 457 acres with most of the University's faculties residing there. Glendon Campus, Southern Ontario's only bilingual university Campus, is a liberal arts faculty located in the downtown Toronto neighbourhood of Lawrence Park. Glendon is unique among York faculties as it possesses autonomy over both its recruitment and admission, hosting its own academic programs and facilities.

Student Experience

York has over 120 undergraduate programs and offers over 170 degree options. They admit to 30 international degrees offering international language study and opportunities to study abroad at more than 100 international universities. Among the finest anywhere, York's faculties include Liberal Arts and Professional Studies; Science; Health; the Lassonde School of Engineering; Education; Fine Arts; Environmental Studies; the Schulich School of Business; Osgoode Hall Law School; Glendon College; and Graduate Studies. The University's objective is to introduce students to a broad perspective on the world that results in original thought and theory. The flexible interdisciplinary approach provides students with an outstanding variety of academic opportunities where learning and debate are not only valued; they are encouraged.

Research Strength

As a globally recognized research institution, York is fully engaged in the critical discussions that lead to innovative solutions to the most pressing local and global social challenges. Over the past 10 years, research at York has flourished, with a near doubling of research income accompanied by one of the highest rates of growth in the intensity of research publications, leading to the University being ranked 11th among all research universities Canada-wide for publication impact. York's 11 faculties and 28 research centres are thinking bigger, broader and more globally. York has established its reputation worldwide with over 280 partnerships with international universities,



attracting international students with roots tracing back to 155 countries. York's distinctive and collaborative approach to research brings fresh insights and solutions to local and global challenges.

To learn more about York University visit the following link: <http://www.yorku.ca/web/index.htm>

The President and Vice-Chancellor of York University is President Mamdouh Shoukri: <http://president.yorku.ca/bio/>



Lassonde School of Engineering

Established in 2012, the Lassonde School of Engineering is a highly-ambitious \$250-million academic start-up at York University. Led by its founding Dean, Janusz Kozinski, the School's mission is to grow a place where students love to learn and where people love to work. Students are Lassonde's greatest asset – they are creative, passionate, rational, confident, and ingenious. The Lassonde School is a place for students to become entrepreneurs, leaders, and agents of social change – Renaissance Engineers™ – curious adventurers who will strike out in new directions.

The School currently offers 12 undergraduate programs in engineering, computer science, and Earth & space science with student numbers currently exceeding 2,000.. Building on the existing strengths in applied sciences, business management, law, and engineering, the School is implementing a new approach to engineering that leverages the specific strengths of the broader York community.

The School embraces four Departments:

- Civil Engineering
- Earth & Space Science & Engineering
- Electrical Engineering & Computer Science
- Mechanical Engineering

Existing research areas are complemented by new and expanded research programs in electrical, mechanical, civil and in the near future chemical and Biomedical Engineering that push forward explorations of smart technologies for a green environment and healthier lives, and for enhanced public safety and security.

The School is developing a dynamic, innovative, and leading-edge education and research environment that captivates, engages, empowers, and impacts the world at large. Research vision for the School :

- embraces the “Renaissance Engineering” philosophy that integrates the proven research strengths of the broader York University community to answer complex global socioeconomic questions, challenges and concerns.
- is committed to creating, fostering and sustaining the “Renaissance” culture under three unifying themes: a) *responsive and effective research self-governance*, b) *research intensification, recognition and reputation enhancement*, and c) *engagement and outreach*.
- promotes a research culture that fosters and supports the cross pollination of ideas and disciplines, empowers critical thinkers, creative researchers and problem-solvers, and engages industry leaders and entrepreneurs who understand and embrace humanism, social responsibility and cultural diversity.
- aims to be recognized for our commitment for enhancing graduate education and mentoring, transforming the graduate student experience, revolutionizing the research environment, integrating curricular and experiential activities and developing business and entrepreneurial skills.



The Lassonde School of Engineering also understands that partnerships foster creativity, create opportunity, and expand knowledge. The School aims to be a model for strategic partnering to benefit students, strengthen curriculum, and define the future of multidisciplinary integration in engineering. The School currently has strategic partnerships with Industry, other Academic Institutions, and Not-for-Profit Organisations and Government.

For more information about the Lassonde School of Engineering visit: <http://lassonde.yorku.ca/>



Appointment of the James and Joanne Love Chair in Environmental Engineering

The Lassonde School of Engineering aspires to be one of the leaders in environmental research and sustainability stewardship. In alignment with the School's Strategic Research Plan, the School now seeks to appoint the James and Joanne Love Chair in Environmental Engineering within the Department of Civil Engineering.

The successful candidate will be a research leader in the field of environmental engineering, with a strong research portfolio in all aspects of fundamental and applied research and development activities in the fields of water quality, water security, wastewater treatment, sustainable groundwater sources, waste management, energy and useful products from waste, smart environmental technologies for renewable energy and climate change adaptation, green infrastructure, environmental protection, sustainability, and other new and emerging environmental engineering fields. It is expected that the candidate have significant interaction with industry along with demonstrated ability in technology transfer and commercialization. It is also expected that the candidate have demonstrable experience in conducting large research programs with multiple partners and stakeholders. The term will be for an initial five-year period, renewable for a further five years subject to review. It is expected that the Chair work on the intersecting areas of energy and environment and its impact on the overall wellbeing of communities.

PERSON SPECIFICATION

The post-holder will also be expected to evidence:

- A first degree together with a higher degree such as a PhD in a relevant field;
- an established, inspiring, and continuing research portfolio;
- a robust scholarly profile appropriate to the level of appointment;
- a track record of experience and demonstrable excellence in university teaching;
- skills in managing projects and working collaboratively with fellow scholars;
- experience of working within and leading internal and external networks;
- engagement with external bodies to enhance national or international standing of the discipline;
- a record in advising colleagues, students, and external bodies (e.g. government bodies);
- commitment to and success in the promotion of research;
- experience of mentoring research activity of junior faculty and staff;
- successful collaboration with other universities and industry;
- experience of resource planning and management;
- ability in strategic planning, showing effective implementation and evaluation;
- ability to implement the mission of the Department, School, and University;
- commitment to the promotion of equal opportunities;



- identification of new areas of research and teaching;
- a record of organizing effective, new and original research programs.

DUTIES AND RESPONSIBILITIES

The substantive appointment will be at the Associate or Full Professor rank in the core themes of environmental engineering. The post holder will be expected to:

- help lead innovative research in Environmental Engineering by forging inter-disciplinary collaborations with other York Faculties (particularly with the Faculty of Environmental Studies (FES)) in terms of combining technical advancements in the field with development of effective policies and regulations;
- expand partnerships with the Osgoode Hall Law School in terms of understanding different aspects of environmental regulations and their impact on laws and policies;
- expand partnerships with the Schulich School of Business to create a culture of innovation and entrepreneurship in the new era of environmental stewardship;
- further enhance the Lassonde's model of Renaissance Engineering™, bringing together Engineering, Law, and Business under one umbrella within the research program;
- work closely with the very well-established Faculty of Liberal Arts and Professional Studies to understand how new and emerging technologies will have an impact on society and the environment in which communities thrive;
- enhance York's international reputation and help to attract external industrial research funding, thereby establishing a thriving environmental engineering research program at York.



FUNDING

This Chair will be supported under the Externally Funded Regular Named Chairs program at York University.

According to the funding agreement between the University and James & Joanne Love: "\$1,500,000 is designated to an endowment fund that will create a new Chair in Environmental Engineering, in the Department of Civil Engineering at the Lassonde School of Engineering. The University will match the annual payout amount from the endowment to provide enhanced funding for this Chair."

University matching will take the form of the salary for a full-time professorial position already included in Lassonde's budget. The external endowment funding will be divided between additional support of the base salary and a research grant for the incumbent; the amounts will be determined according to the individual needs and experience of the chair-holder.



Appointment Process and How to Apply

An executive search exercise is being undertaken by Perrett Laver. Perrett Laver will support the University in helping to identify the widest possible field of qualified candidates and assisting in the assessment of candidates against the requirements for the role.

Applications should consist of a full CV detailing academic and professional qualifications, full employment history, latest remuneration and relevant achievements and should be accompanied by a covering letter describing briefly how candidates meet the criteria in the 'person specification', why the appointment is of interest and what they believe they can bring to the role. These can be uploaded at www.perrettlaver.com/candidates quoting the reference number 1946. The closing date for applications is 12 noon on 31 August, 2016.

Applications will be considered by the selection committee on 12 September 2016 and shortlisted candidates will subsequently be invited for informal engagements with the University during the week of 19 September 2016, which will be followed by more formal interviews in the week of 3 October 2016. Selection of and negotiations with the preferred candidate will take place thereafter and it is intended that the appointee will take up employment in time for 1 July 2017.

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. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.



The City of Toronto

Toronto is Canada's largest city and the Capital of the Province of Ontario. It is located on the north shore of Lake Ontario. The City itself has a population of about 2.8 million, with its metropolitan area, known as the Greater Toronto Area (GTA), comprising some 6 million people. Toronto is exceptionally multicultural with estimates indicating approximately 50% of the City's residents being born outside of Canada; it is home to world-class cultural institutions, infrastructure, and Canada's largest international airport.

Toronto is often called 'a city of neighbourhoods' because it is composed of many distinct, smaller areas that have their own unique culture. In Toronto, it is possible to enjoy the sights, smells, flavours and sounds of many different cultures for only the cost of a ride on transit. To learn more about Toronto's neighbourhoods and the special events that they host, visit [Tourism Toronto's Website](#) and [The City of Toronto's neighbourhood information page](#).

York Region, or the 'Regional Municipality of York', is the municipality that borders York University's Keele Campus and the city of Toronto to the north. York Region is a part of the GTA, but is distinct from the city of Toronto itself. It has a population of just over 1 million, and is composed of nine cities and towns. York Region has its own public transit system, called York Region Transit (YRT/VIVA), in addition to being partially served by the provincial transit system, GO, and Toronto's TTC.

[Vaughan](#) is in York region, it is Toronto and York University's municipal neighbor to the north. With a growing population of almost 300,000 residents and a strong commercial and industrial foundation Vaughan is the only municipality in York Region that has City status. It is home to world-class art galleries, excellent shopping and Canada's largest amusement park. For more information, see York Region's [official website](#) and the region's [online resources for newcomers](#).