

DEPARTMENT OF CIVIL ENGINEERING
The Natural and Built Environment



Civil Engineering

Tenure-Track Position in Civil Engineering Specializing in Water and the Environment

[The Department of Civil Engineering](#) in the Faculty of Engineering and Applied Science at [Queen's University](#) invites applications for a Tenure-track faculty position at the rank of Assistant Professor, in **Civil Engineering specializing in water and the environment**. The preferred start date of the appointment is July 1, 2021.

Among our top priorities in the Faculty of Engineering and Applied Science is providing opportunities for early career academics to develop distinguished research and exceptional teaching contributions while fostering an environment where all faculty can thrive. To promote on-going success, there is support for course development and delivery that is provided by the Department, the Queen's Centre for Teaching and Learning, and the Faculty of Engineering and Applied Science. Faculty have access to a range of educational technologies including industry-leading instructional design support offered through the [Engineering Teaching and Learning Team](#). Support for faculty to develop strong research programs includes Special Research Grant opportunities, grant writing workshops and review services, and one-to-one mentorship from experienced colleagues.

Candidates must hold a PhD in Civil, Environmental, or Geological Engineering, or related Geoscience field at the start date of the appointment. Professional engineering licensure in Canada, or the eligibility to obtain licensure, is a requirement. Note that all forms of engineering licensure in Canada are considered acceptable (e.g. P.Eng., temporary engineering license, provisional engineering license, etc.). Relevant industrial experience is an asset. The main criteria for selection are research and teaching excellence.

The successful candidate will provide evidence of high quality scholarly output that demonstrates potential for independent research leading to peer-assessed publications and the securing of external research funding, active engagement with industry, and the supervision of graduate students. We are especially interested in candidates with expertise in water and the environment, including groundwater and surface water systems. Areas of expertise include: contaminant fate and transport, emerging contaminants, groundwater remediation technologies, sustainable watershed management, resilience of surface water and/or groundwater systems to climate change, surface water-groundwater interaction, as well as hydrotechnical engineering related to hydrodynamics and morphodynamics of coastal, lake, and river systems. Research encompassing the interaction between hydrodynamics (waves, fluid mechanics, channel and pipe flow) and biogeochemistry (sediments, water quality) would complement our existing group strengths. The successful candidate will demonstrate the ability to enhance the existing excellence in research contributions and training of our highly-collaborative groundwater and surface water groups. The candidate must also be able to teach courses at both the undergraduate and graduate levels, demonstrate an ongoing commitment to academic and pedagogical excellence in support of the department's programs, and provide evidence of an ability to

work in an interdisciplinary and student-centered environment. Our programs incorporate innovative approaches to engineering education, with an emphasis on developing technical and professional skills. The successful candidate will also be expected to make contributions through service to the Department, to the Faculty, to the University, and/or to the broader community. Salary is commensurate with qualifications and experience.

The Department of Civil Engineering at Queen's University currently has an enrolment of approximately 300 undergraduate students and over 100 graduate students. Current faculty conduct internationally recognized research in the areas of Water Resources and the Environment, Geotechnical and Geoenvironmental Engineering, and Structural Engineering. The Department actively involves industry partners in both research and teaching (see www.civil.queensu.ca for further details).

Opportunities for collaboration are also enabled by two internationally recognized research centres supported by the department: the Beaty Water Research Centre (www.waterresearchcentre.ca) and the GeoEngineering Centre at Queen's-RMC (www.geoeng.ca) with interdisciplinary expertise in areas that cover physical and chemical research related to water, and how water affects natural and built materials and environments.

People from across Canada and around the world come to learn, teach and carry out research at Queen's University. Faculty and their dependents are eligible for an extensive benefits package including prescription drug coverage, vision care, dental care, long term disability insurance, life insurance and access to the Employee and Family Assistance Program. You will also participate in a pension plan. Tuition assistance is available for qualifying employees, their spouses and dependent children. Queen's values families and is pleased to provide a 'top up' to government parental leave benefits for eligible employees on maternity/parental leave. In addition, Queen's provides partial reimbursement for eligible daycare expenses for employees with dependent children in daycare. Details are set out in the Queen's-QUFA Collective Agreement. For more information on employee benefits, see Queen's Human Resources (<http://www.queensu.ca/humanresources/>).

Additional information about Queen's University can be found on the Faculty Recruitment and Support website (<http://www.queensu.ca/facultyrecruitment>). The University is situated on the traditional territories of the Haudenosaunee and Anishinaabe, in historic Kingston on the shores of Lake Ontario. Kingston's residents enjoy an outstanding quality of life with a wide range of cultural, recreational, and creative opportunities. Visit Inclusive Queen's (<https://www.queensu.ca/inclusive/content/home>) for information on equity, diversity and inclusion resources and initiatives.

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity, and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous/Aboriginal people, women, persons with disabilities, and 2SLGBTQ+ persons. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents of Canada will be given priority.

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens / permanent residents of Canada. Applicants need not identify their country of origin or citizenship, however, all applications must include one of

the following statements: “I am a Canadian citizen / permanent resident of Canada”; OR, “I am not a Canadian citizen / permanent resident of Canada”. Applications that do not include this information will be deemed incomplete.

In addition, the impact of certain circumstances that may legitimately affect a nominee’s record of research achievement will be given careful consideration when assessing the nominee’s research productivity. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions. A complete application consists of:

- a cover letter (including one of the two statements regarding Canadian citizenship/ permanent resident status specified in the previous paragraph);
- a current Curriculum Vitae (including a list of publications);
- a statement of research vision and interests;
- a statement of teaching interests, experience and philosophy (including teaching outlines and evaluations if available);
- a statement of commitment to – as well as ideas and any experience on how to – ensure equity, diversity and inclusivity in scholarly activities, and
- Candidates who are short-listed will be required to submit three reference letters within four weeks of being invited for an interview.

Applicants are encouraged to send all documents in their application package electronically – **as one single PDF file** – to Sandra Martin at sandra.martin@queensu.ca with the subject line “Application for Faculty Position”, although hard copy applications may be submitted to:

Dr. Ian Moore
Department Head
Department of Civil Engineering
Queen’s University
Kingston, Ontario
Canada, K7L 3N6.

Review of applications will begin on January 4, 2021 and applications will continue to be accepted until the position is filled.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant’s accessibility needs. If you require accommodation during the interview process, please contact Sandra Martin in the Department of Civil Engineering at sandra.martin@queensu.ca.

Academic staff at Queen’s University are governed by a *Collective Agreement* between the Queen’s University Faculty Association and the University, which is posted at <http://queensu.ca/facultyrelations/faculty-librarians-and-archivists/collective-agreement> and at www.gufa.ca.