

About the Position:

Field of Specialization: Resilient Smart Infrastructure

Academic Unit: Civil and Environmental Engineering

Category of Appointment: Preliminary (Tenure-track)

Rank/Position Title: Assistant or Associate Professor

Start Date: July 1, 2022

Closing Date: Until position is filled

The Department of Civil and Environmental Engineering invites applications from qualified candidates for a preliminary tenure-track appointment in Engineering specialized in Resilient Smart Infrastructure at the rank of Assistant or Associate Professor beginning July 1, 2022.

On the broad theme of smart cities, the Department of Civil and Environmental Engineering at Carleton University is hiring a faculty with strong background in civil/structural engineering or a related discipline in the area of resilient smart infrastructure. The Department is particularly interested in receiving applications from candidates with demonstrated research expertise in, but not limited to, big data analytics, artificial intelligence, or machine learning techniques for design of next-generation adaptive or smart structures, intelligent structural health monitoring, novel sensors and advanced sensor networks with applications to resilience of smart civil infrastructures, including their design, operation, intelligent diagnostics and management.

To see the full position posting, please visit Carleton University's [Deputy Provost's website](https://carleton.ca/deputyprovost/jobs/academics/) at <https://carleton.ca/deputyprovost/jobs/academics/>.

About the Academic Unit:

The Department offers dynamic, innovative, and cross-disciplinary undergraduate and graduate programs in Civil Engineering and Environmental Engineering, and undergraduate program in Architectural Conservation and Sustainability. The Department has diverse expertise over a wide range of experimental, numerical, and analytical research areas in geotechnical, environmental, fire safety, structural and transportation engineering. Graduate programs are offered through the Ottawa-Carleton Institutes for Civil Engineering and for Environmental Engineering to provide further strength and opportunities. The Department has a world-class strong floor facility and recently established CFI funded multi-hazard test facility for built infrastructure protection and resilience. The department research enterprise includes a Jarislowsky Chair in Water and Global Health. Further information is available at <http://www.carleton.ca/cee>.

Qualifications:

Candidates must have a Ph.D. in civil engineering or a related engineering discipline. The successful candidate must have a demonstrated record of or commitment to research excellence through high quality publications; have the strong ability to develop an externally funded, high quality research program; be passionate about teaching excellence with demonstrated evidence or potential; and contribute to the academic life of the Department. Synergy to establish collaborative research links with existing members of the Department and across the University is highly desirable.

Membership in a Canadian professional engineering association is required at the time of appointment or within five years of appointment.

Application Instructions:

Application packages comprising i) detailed curriculum vitae, ii) description of research accomplishments and future plans (research statement), iii) teaching dossier (teaching statement), and iv) names of three referees should be sent to the Hiring Committee as a **single pdf file** to CEE.Hiring@carleton.ca. Applications will be considered until the position is filled.

Please provide a statement that identifies your strengths in advancing equity, diversity, and inclusion in your discipline and on campus as well as your future plans.

Please indicate in your application if you are a citizen or permanent resident of Canada.

About Carleton University:

Located in Ottawa, Carleton is an innovative teaching and research institution with a tradition of leading change. Internationally recognized academics, staff, and researchers engage more than 31,000 students in over 100 programs of study. Carleton has long been known for promoting research excellence and connectedness and is involved in partnerships around the globe. With strong leadership, it enjoys a healthy financial position and our proximity to government and cultural institutions, media, and a thriving knowledge economy make Carleton and Ottawa a great place to work, learn, and live. Our picturesque campus is fully accessible and, along with award-winning student services, Carleton's Paul Menton Centre for Students with Disabilities has been heralded as the gold standard for disability support services in Canada. Learn more about [our university and the city of Ottawa](#).

Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation, gender identity and/or expression. Furthermore, Carleton understands that career paths vary and interruptions will not prejudice the assessment process. We invite you to review our revitalized Indigenous strategy, [Kinàmàgawin](#) and visit our [Department of Equity and Inclusive Communities](#) for information about our commitment to leadership in the areas of equity, diversity, and inclusion.

Accessibility is a university strategic priority and applicants selected for an interview who require accommodations are invited to contact the Chair as soon as possible to ensure that appropriate arrangements may be made.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.