

<b>Field of Specialization:</b>	Resilient Smart Infrastructure
<b>Academic Unit:</b>	Civil and Environmental Engineering
<b>Category of Appointment:</b>	Preliminary (Tenure-Track)
<b>Rank/Position Title:</b>	Assistant or Associate Professor
<b>Start Date:</b>	July 1, 2021
<b>Closing Date:</b>	Applications will be considered until the position is filled

**About the Position:**

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, 2021.

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 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, complex dynamic systems, big data analytics, AI, machine learning, pattern recognition, sensors and advanced sensor networks with applications to resilience of smart civil infrastructures, intelligent systems and networks, including their design, operation, intelligent diagnostics, management, and applications to structural health monitoring.

We encourage applications from candidates from groups underrepresented in Engineering and/or with experience in mentoring students from such groups.

**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 research enterprise in the department includes a Jarislowsky Chair in Water and Global Health. Further information on the Department 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; will be passionate about effective teaching with demonstrated or strong evidence of potential of teaching excellence; 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 three 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** emailed to [CEE.Hiring@carleton.ca](mailto:CEE.Hiring@carleton.ca). Applications will be considered until the position is filled.

Please also identify any past experiences in supporting equity, diversity and inclusion in your previous institutional environment such as in curriculum development and in supporting diverse students.

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

**About Carleton University:**

Carleton University is a dynamic and innovative research and teaching institution with a national and international reputation as a leader in collaborative teaching and learning, research and governance. With over 30,000 students in more than 100 programs of study, we encourage creative risk-taking, discovery, and the generation of transformative knowledge. We are proud to be one of the most accessible campuses in North America. Carleton's Paul Menton Centre for Students with Disabilities has been heralded as the gold standard for disability support services in Canada. To learn more about our university and the City of Ottawa, please visit [www.carleton.ca/about](http://www.carleton.ca/about).

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. Carleton understands that career paths vary. Legitimate career interruptions will in no way prejudice the assessment process and their impact will be carefully considered.

Applicants selected for an interview are asked to contact the Chair as soon as possible to discuss any accommodation requirements. Arrangements will be made in a timely manner.

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