

Monday, January 15, 2018

Civil and Environmental Engineering (Infrastructure Resilience) – Canada Research...

Academic Unit:	Civil and Environmental Engineering
Category of Appointment:	Preliminary (Tenure-Track), CRC Tier II
Field of Specialization:	Infrastructure Resilience
Rank/Position Title:	Assistant or Associate Professor
Start Date:	July 1, 2018
Closing Date:	Applications will be reviewed until the position is filled

About the Position:

The Department of Civil and Environmental Engineering invites applications from qualified candidates for a Canada Research Chair Tier II appointment in Infrastructure Resilience at the rank of Assistant or Associate Professor beginning July 1, 2018.

The Department invites outstanding candidates with expertise in assessment/monitoring, retrofit/rehabilitation, and design of built infrastructure. The candidate's research should address one or more of the following infrastructure hazards: earthquake, geo-hazard, mitigation and adaptation to the impacts of climate change, aging infrastructure, or combinations of these in a multi-hazard approach. Affected infrastructure may include pipelines, bridges, transportation infrastructure, existing and historic buildings, or other core critical infrastructure. Candidates who will contribute to and expand synergies in the department are strongly encouraged to apply. The Department welcomes applicants with strong computational and/or experimental experience. The Department has a world-class strong floor facility and was recently awarded CFI funding for a multi-hazard test facility for built infrastructure protection and resilience, which includes new seismic shaking tables, computational facilities and hybrid testing controllers. The Department is also home to an innovative undergraduate program in Architectural Conservation and Sustainability Engineering and an NSERC CREATE program in Heritage Engineering.

Tier 2 Chairs are intended for exceptional emerging researchers (i.e. candidate will typically be less than 10 years from their highest degree at the time of nomination, or more than 10 years and has experienced legitimate career interruptions), acknowledged by their peers as having potential to lead in their field. Applicants who are more than 10 years from their highest degree may have their eligibility for a Tier 2 Canada Research Chair assessed through the program's Tier 2 justification process. Please see the CRC website at <http://www.chairs-chaires.gc.ca/> for details and consult the website for full program information, including further details on eligibility criteria.

About the Academic Unit:

The Department offers dynamic, innovative, and cross-disciplinary undergraduate and graduate programs leading to Bachelor, Master, and Doctoral degrees in both Civil Engineering and Environmental Engineering. The Department recently introduced a new B.Eng. in Architectural Conservation and Sustainability Engineering. The Department has diverse expertise over a wide range of experimental, numerical, and analytical research areas in structural, environmental, fire safety, geotechnical and transportation engineering. Graduate programs of the department are offered through the Ottawa-Carleton Institute for Civil Engineering and the Ottawa-Carleton Institute for Environmental Engineering to provide further strength and opportunities. The intensive research enterprise in the department includes an NSERC Industrial Research Chair in Fire Safety Engineering, a Canada Research Chair in Wastewater and Public Health Engineering and a Jarislowsky Chair in Water and Global Health. The successful candidate will have access to the Department's world-class laboratories and high-performance computing facilities. Further information on the Department is available from the Website <http://www.carleton.ca/cee>.

Qualifications:

Candidates must have a Ph.D. in civil engineering or a related engineering discipline. The successful candidate must demonstrate excellence in and possess a strong commitment to research, as reflected in their publication record. The successful candidate will have the ability to develop an externally-funded, high quality research program; will be committed to effective teaching at the undergraduate and graduate level; and will contribute effectively to the academic life of the Department. Synergy to establish collaborative research links with the 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 two years of appointment.

Application Instructions:

Application packages comprising i) a detailed curriculum vitae, ii) a description of research accomplishments and future plans (research statement), iii) a teaching dossier (teaching statement), and iv) the names of three referees should be sent to the Hiring Committee, Department of Civil and Environmental Engineering, Carleton University as a single pdf file emailed to CEE.Hiring@carleton.ca.

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

As a part of your application, we invite you to complete a short anonymous and voluntary equity census to help us understand the diversity of applicants and further develop our equity program <https://oirp-secure.carleton.ca:443/opinio/s?s=6555>

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 29,000 students, 950 academic faculty, and 2,000 staff and more than 100 programs of study, we encourage creative risk-taking enabling minds to connect, discover and generate transformative knowledge. Located in Ottawa, Ontario, Canada's capital city has a population of almost one million

and reflects the country's bilingual and multicultural character. Carleton's location in the nation's capital provides many opportunities for scholarship and research with groups and institutions that reflect the diversity of the country. To learn more about our university and the City of Ottawa, please visit www.carleton.ca/provost.

We are strongly committed to equity, diversity, and inclusion in the nomination and appointment process. 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 taken into careful consideration.

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.

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