Tier I CRC in Building, Energy and Environmental Systems

The Department of Civil & Environmental Engineering in the Faculty of Engineering at the University of Waterloo is seeking an exceptional scholar and researcher who is eligible to apply for a Tier 1 Canada Research Chair, established by the Government of Canada to enable Canadian universities to foster research excellence (www.chairs-chaires.gc.ca) beginning with an anticipated start date of May 1, 2019.

Successful candidates should have a PhD or equivalent in Engineering or a related discipline and be at the rank of Full Professor or an Associate Professor who is expected to be promoted to the rank of Full Professor within one to two years of the nomination. The successful candidate will possess a strong inter-disciplinary background in emerging topics related to systems and life cycle impact and behaviour of: (1) commercial, residential and industrial buildings, (2) energy generation, distribution and storage systems, and/or (3) environmental systems, including those related to water, indoor and outdoor air quality, and geological infrastructure such as geothermal energy storage. Areas of interest include, but are not limited to: advanced life cycle analysis, circular economy systems, zero-carbon industrial and building systems, risk modeling, infrastructure and economic impact of alternative fuel and mobility systems.

The candidate will have a proven track record of teaching excellence. As a leading researcher, the candidate will have the ability to leverage the department’s existing world-class infrastructure, as well as identify opportunities for growth. The candidate will have a superior record of obtaining competitive external research funding and attracting and supervising graduate students and postdoctoral fellows. The successful candidate will develop collaborative multidisciplinary research programs with faculty, graduate students, and postdoctoral fellows from across the University, as well as outside of the University of Waterloo. The candidate will propose an original, innovative research program of the highest quality, demonstrating strong alignment with Waterloo’s Strategic Research Plan.

Duties include research, teaching at the undergraduate and graduate level (including supervision of graduate research work), and service to the Department. The successful candidate will have a reduced teaching load during the term of the CRC.

The successful candidate will be appointed as a regular member of the Department and will be subsequently nominated for a Tier 1 Canada Research Chair. Nominations for Canada Research Chairs (CRC) are subject to review by the CRC Secretariat and appointment as a CRC is conditional on their approval (see the CRC terms of reference). The University of Waterloo is committed to providing the candidate with the support required to secure the CRC.

To meet the criteria for a Tier 1 CRC, successful candidates must be outstanding and innovative world-class researchers whose accomplishments have made a major impact in their fields and be recognized internationally as leaders in their fields. They must also have superior records of attracting and supervising graduate students and postdoctoral fellows (taking into account different practices in the relevant field or discipline) and, as chairholders, be expected to attract, develop and retain excellent trainees, students and future researchers; and be proposing an original, innovative research program of the highest quality. Please consult the CRC website and
the Office of Research for full program information, including further details on eligibility criteria.

The salary range for this position at the rank of Professor is $150,000 to $200,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

The University of Waterloo regards diversity as an integral part of academic excellence. As such, we encourage applications from women, First Nations, Metis and Inuit peoples, persons with disabilities, members of diverse gender identities, and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a “hub of innovation”. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority in the recruitment process.

Three reasons to apply: http://uwaterloo.ca/fauw/why.

The closing date for applications is July 1, 2018. Interested applicants are invited to submit their full curriculum vitae, along with a teaching vision statement. They are also requested to submit a CRC vision statement, indicating how their innovative research directions will complement and provide leadership for research in the Department of Civil and Environmental Engineering. Each of the vision statements should be no more than two pages in length. The curriculum vitae, vision statements, and names and full contact information of at least three references should be sent to:

Civil & Environmental Engineering Chair
Department of Civil and Environmental Engineering,
University of Waterloo, Waterloo, Ontario, N2L 3G1
Email: ceechair@uwaterloo.ca

If you have any questions regarding the position, the application process, assessment process, eligibility, the CRC program etc., please contact Civil & Environmental Engineering Chair at ceechair@uwaterloo.ca.