Title: Faculty of Engineering NSERC Tier 2 Canada Research Chair (internal)
Date Advertised: February 7, 2024

The Faculty of Engineering at the University of Waterloo is seeking an exceptional scholar and researcher to internally fill a Tier 2 Canada Research Chair position at the rank of Assistant or Associate Professor (must be tenured or tenure-stream). To address legal requirements for supporting underrepresented groups in the CRC program, eligible candidates for this search are required to identify as a woman or gender minority, which is defined to include individuals who self-identify as women, transgender, gender-fluid, non-binary, or two-spirited. Current faculty members who have fully signed offers dated on or before December 31, 2023 within the Faculty of Engineering are eligible to apply.

The Faculty of Engineering is looking for candidates with research that is based on or related to one or more of the following faculty priority research fields:
- Water Resources
- Sustainability and Renewable Energy Systems
- Smart and Adaptive Infrastructure
- Additive and Advanced Manufacturing
- Automotive and Mobility
- Connectivity, Network Communications, and Security
- Data Analytics, Artificial Intelligence, and Human-Machine Interaction
- Robotics and Autonomous Systems
- Bioengineering and Health

Qualifications
The successful candidate will:
- be an outstanding emerging scholar with a demonstrated potential to achieve a significant international reputation in the next five to ten years.
- have obtained a PhD or equivalent within ten years of nomination to the CRC position. Applicants who are more than 10 years from having earned their highest degree and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc. may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process which can be found at: http://www.chairs-chaires.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s3.
- propose an innovative program of high-quality research that will attract external funding and excellent graduate students.
- provide evidence of an active and developing research program and a successful record of Tri-Agency funding.
- convey the ability and desire to partner in closely related fields.
- demonstrate collegial leadership and active participation as an academic citizen.

Duties include research, teaching at the undergraduate and graduate level, service to the unit, and the supervision of graduate students. The successful candidate will have increased research time during the term of the CRC.

The successful candidate will be subsequently nominated for a Tier 2 Canada Research Chair. Nominations for CRCs 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.

The University of Waterloo understands the impact that legitimate career interruptions (e.g., parental leave, leave due to illness) can have on a candidate's record of research achievement and encourages potential candidates to explain in their application the impact this may have on their record; this information will be taken into careful consideration during the assessment process. Please consult the CRC website at https://www.chairs-chaires.gc.ca
 and the Office of Research for full program information, including further details on eligibility criteria.

Applications received by March 15, 2024 will be given full consideration. Applications must include:
- Cover letter (addressed to Prof. David A. Clausi, Associate Dean - Research & External Partnerships) [1 page]
- Research Statement: current program and future plans [no more than 2 pages]
- Teaching Statement: curriculum development, student recruitment, and training [no more than 2 pages]
- Full CV

Completed applications are to be uploaded to the following website:
 https://uwaterloo.ca/engineering/application-crc-tier-2

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office at https://uwaterloo.ca/human-rights-equity-inclusion/indigenousinitiatives.

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

However, this particular selection process will follow the provisions for a special program as described by the Ontario Human Rights Commission at http://www.ohrc.on.ca/en/your-guide-special-programs-and-human-rights-Code in order to address the underrepresentation of individuals from equity-seeking groups among our Canada Research Chairs, which has been identified through research (Canadian Association of University Teachers, 2018; Council of Canadian Academies, 2012; Henry et al., 2017; and Witteman, Hendricks, Straus, & Tannenbaum, 2019) to be systemic in nature. As such, this opportunity is open only to individuals who self-identify as women and gender minorities. Improving the representation, participation and engagement of equity–seeking groups within our community is a key objective of Waterloo's Strategic Plan 2020-2025 at https://uwaterloo.ca/strategic-plan.

All applicants to this CRC opportunity are required to self-identify using the self-identification applicant survey at https://uwaterloo.ca1.qualtrics.com/jfe/form/SV_08RcdJzz6YAh4TX. Because this is a special opportunity for a

specific member of the four designated groups, applicant self-identification information will be used for the purposes of screening and consideration. Please note that this information will be securely accessed only by members of a central selection committee and, for nominees selected, for the fulfillment of CRC program purposes detailed at: http://www.chairs-chaires.gc.ca/program-programme/equity-equite/index-eng.aspx.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview or workplace accommodation requests please contact Occupational Health at occupationalhealth@uwaterloo.ca or Karen at extension 40538; who will work with the selection committee to secure accommodation while ensuring that the information is safe-guarded and confidentiality is maintained. If you have any questions regarding the position, the application process, assessment process, eligibility, or the CRC program, please contact David A. Clausi, Associate Dean – Research & External Partnerships adr.eng@uwaterloo.ca.

Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo.