



## Tier 1 Canada Research Chair in Applied Mathematics (Internal)

Date advertised: June 5<sup>th</sup>, 2025

The Department of Applied Mathematics in the Faculty of Mathematics at the University of Waterloo is seeking an exceptional scholar and researcher to internally fill a Tier 1 Canada Research Chair. The anticipated earliest start date is September 1, 2026. 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 equity-seeking group, which is defined to include individuals who self-identify as women, transgender, gender-fluid, nonbinary and Two-Spirit people.**

The Department of Applied mathematics is looking for candidates with a PhD or equivalent in Applied Mathematics or a related discipline who hold a tenured appointment in the Department. Candidates should be at the rank of Full Professor or be an Associate Professor who is expected to be promoted to the rank of Full Professor within one to two years of the nomination. The candidate will propose an innovative program of high-quality research that will attract external funding and excellent graduate students. Evidence of an actively developing research program in Applied Mathematics and a successful record of Tri-Agency funding is required. Ability and desire to partner with faculty in closely related fields is required.

Duties include research, teaching at the undergraduate and graduate level, service to the unit, and the supervision of graduate students. Experience developing an array of traditional and on-line courses for a diverse student body is required. The successful candidate will have a reduced teaching load during the term of the CRC. Applicants whose research aligns with strategic directions of the University and the Department as expressed in the five [Global Futures](#), would be preferred.

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 website](#) for full program information). The University of Waterloo is committed to providing the candidate with support 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. 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 July 5<sup>th</sup>, 2025 will be given full consideration. However, applications will continue to be reviewed until the position is filled. Applications must include a cover letter, a curriculum vita and a research statement of no more than 5 pages. Applicants may submit their application via email as a single pdf document to Professor Hans De Sterck, Chair, Department of Applied Mathematics, [hdesterck@uwaterloo.ca](mailto:hdesterck@uwaterloo.ca). In addition, applicants should arrange for two letters of reference to be sent directly to Professor Hans De Sterck, Chair, Department of Applied Mathematics, [hdesterck@uwaterloo.ca](mailto:hdesterck@uwaterloo.ca).

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](https://uwaterloo.ca/human-rights-equity-inclusion/indigenousinitiatives) (<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+.

In keeping with the principles of employment equity and the CRC program's equity targets, this particular selection process will follow the provisions for a special program as described by the [Ontario Human Rights Commission](#) in order to address the underrepresentation of individuals from equity-seeking groups among our Canada Research Chairs, which has been identified through research ([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 a woman or member of a gender equity-seeking group, which is defined to include individuals who self-identify as women, transgender, gender-fluid, nonbinary and Two-Spirit people. Improving the representation, participation and engagement of equity-deserving groups within our community is a key objective of [Waterloo's Strategic Plan 2020-2025](#)

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](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(s) 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 ([occupationalhealth@uwaterloo.ca](mailto:occupationalhealth@uwaterloo.ca) or Karen – extension 40538); who will work with the selection committee to secure accommodation while ensuring that the information is safeguarded and confidentiality is maintained. If you have any questions regarding the position, the application process, assessment process, eligibility, or the CRC program, please contact Professor Hans De Sterck, Chair, Department of Applied Mathematics, [hdesterck@uwaterloo.ca](mailto:hdesterck@uwaterloo.ca).

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