



Tier 2 Canada Research Chair in Applied Mathematics, Combinatorics & Optimization, or Pure Mathematics (Internal)

Date advertised: January 24, 2025

The Faculty of Mathematics at the University of Waterloo is seeking an exceptional scholar and researcher to internally fill a Tier 2 Canada Research Chair. The anticipated earliest start date is May 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 Faculty is looking for candidates with a PhD or equivalent who hold a tenure-track/tenured position as an Assistant/Associate Professor within one of the following departments: Applied Mathematics, Combinatorics & Optimization, Pure Mathematics. The candidate will propose an innovative program of high-quality research that will attract external funding and excellent, well qualified and diverse graduate students. Evidence of an actively developing research program 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 the strategic framework of the Faculty of Mathematics which constitutes <https://uwaterloo.ca/math/about/math-strategic-framework>, would be preferred.

The successful candidate will hold an appointment as a regular member of one of the three departments and will be nominated for a Tier 2 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 the support required to secure the CRC.

The successful candidate will have obtained a PhD or equivalent within ten years of nomination to the CRC position and will be an outstanding emerging scholar with a demonstrated potential to achieve a significant international reputation in the next five to ten years. 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-chaieres.gc.ca/program-programme/nomination-mise-en-candidature-eng.aspx#s3>. 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 February 28, 2025, will be given full consideration. However, applications will continue to be reviewed until a suitable candidate has been identified. 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 Sue Ann Campbell, Associate Dean, Faculty of Mathematics, math-ri-ad@uwaterloo.ca. In addition, applicants should arrange for two letters of reference to be sent directly to Professor Sue Ann Campbell, Associate Dean, Faculty of Mathematics, math-ri-ad@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 \(https://uwaterloo.ca/human-rights-equity-inclusion/indigenusinitiatives\)](https://uwaterloo.ca/human-rights-equity-inclusion/indigenusinitiatives).

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](#) 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 [Wittman, 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. 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 or Karen – 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: Professor Sue Ann Campbell, Associate Dean, Research, Faculty of Mathematics, University of Waterloo, math-ri-ad@uwaterloo.ca.

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