

*DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
UNIVERSITY OF WATERLOO*

INTERNAL - Canada Research Chair (Tier 1) in Quantitative Risk Management

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Research Area

The Department of Statistics and Actuarial Science in the Faculty of Mathematics at the University of Waterloo is inviting internal applications for a Tier 1 Canada Research Chair (CRC) in Quantitative Risk Management funded by the Natural Science and Engineering Research Council (NSERC). This call is open only to qualified individuals who self-identify as members of racialized groups. The anticipated start date is November 1, 2022, though the actual start date is flexible.

Qualifications

Applicants must have either earned a doctoral degree or an equivalent terminal degree in Actuarial, Statistical or Mathematical Sciences, Finance, Risk Management or a related area. Because this is an internal search, candidates should already be regular faculty members at the University of Waterloo at the rank of Full Professor, but candidates at the rank of Associate Professor who are expected to be promoted to Full Professor within one to two years of nomination will also be considered. To meet the criteria for a Tier 1 CRC, applicants must be outstanding, innovative and internationally recognized leading researchers whose accomplishments have made a major impact in their field(s). Applicants must have superior records of attracting and training graduate students and postdoctoral fellows (considering different practices in the relevant field or discipline), and will be expected to attract, develop, and retain excellent trainees, students, and future researchers. An established track record of national and international collaborations, including the ability and desire to partner with faculty at the University of Waterloo in closely related fields is required. Applicants whose research aligns with the [University's Strategic Research Plan](#) are preferred. Please consult the [CRC website](#) and the [University of Waterloo Office of Research website](#) for more information.

The successful candidate will be nominated for a Tier 1 CRC. In support of this nomination the successful candidate will propose an original, innovative and ambitious program of high-quality research to be reviewed by the Canada Research Chairs Program. Nominations for CRCs are subject to review by the CRC Secretariat and appointment as a CRC is conditional on the Secretariat's approval. The University of Waterloo is committed to providing candidates with the support required to secure a CRC. For more information see the [Canada Research Chair terms of reference](#).

Position Duties and Background

Duties include research, teaching at the undergraduate and graduate levels, service to the unit, and the supervision of graduate students. The successful applicant will have a reduced teaching assignment during the term of their CRC.

The University of Waterloo understands the impact that legitimate career interruptions (e.g., parental leave, leave due to illness) can have on an applicant's record of research achievement and encourages applicants 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.

The University of Waterloo is one of Canada's leading universities with 40,000 full and part-time students in undergraduate and graduate programs. The Department of Statistics and Actuarial Science is one of the top academic units for the statistical and actuarial sciences in the world and is home to over 50 research active full-time faculty and close to 200 graduate students in programs including Statistics, Biostatistics, Data Science, Quantitative Finance and Actuarial Science. The department offers a vibrant research environment for a wide range of areas including statistical theory, applied probability, analysis of longitudinal and event history data, causal inference, methods for incomplete data, statistical learning, data science, computational statistics, finance and risk management, survey methods, industrial statistics, and interdisciplinary collaborative work. The department benefits from close relationships with many research groups on campus including the Survey Research Centre, the Business and Industrial Statistics Research Group, the Waterloo Artificial Intelligence Institute, the School of Public Health Sciences, the Interdisciplinary Centre on Climate Change, and the Centre for Theoretical Neuroscience. Faculty have access to a wide array of computational resources including access to regional and national high performance and super computing resources like SHARCNET, Compute Canada, and Scinet.

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Attawandaron (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 [Office of Indigenous Relations](#).

How to Apply

Interested individuals should apply by emailing their application to sas-chair@uwaterloo.ca. Applications should include a cover letter, a curriculum vitae, research and teaching statements, teaching evaluation summaries (if available) and up to three journal article reprints/preprints. In addition, applicants should arrange to have at least three reference letters submitted on their behalf. Applications will be considered as soon as possible when received, with full consideration assured for those received by January 31, 2022.

All applicants to this CRC opportunity are required to self-identify using the [self-identification applicant survey](#). Because this is a special opportunity for individuals who identify as members of a racialized group, 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-chaire.gc.ca/program-programme/equity-equite/index-eng.aspx>. All qualified candidates are encouraged to apply; Canadians and permanent residents will be given priority.

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); they 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, or eligibility, please contact:

Stefan Steiner, Chair

Department of Statistics and Actuarial Science

University of Waterloo
200 University Avenue West
Waterloo ON N2L 3G1, CANADA
sas-chair@uwaterloo.ca

Commitment to Equity, Diversity, and Inclusion

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, Inuk (Inuit)), 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 [Witteman, Hendricks, Straus, & Tannenbaum, 2019](#)) to be systemic in nature. As such, this opportunity is open only to individuals who self-identify as a member of a racialized group. Improving the representation, participation, and engagement of equity-deserving groups and Indigenous peoples within our community is a key objective of [Waterloo's Strategic Plan 2020-2025](#).

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