

Tier 2 Canada Research Chair (CRC) – Quantum Computing

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The School of Computing Science at Simon Fraser University (SFU) invites applications for a Tier 2 Canada Research Chair (CRC). This CRC appointment opportunity is intended for emerging scholars in Quantum Computing, at the rank of assistant or associate professor (or those who possess the necessary qualifications to be appointed to these levels). The position will be based on the Surrey Campus where SFU will be hosting a Quantum Algorithms Institute. We are seeking a candidate with a prominent international profile in the practical and theoretical aspects of quantum computing. Areas of interest include, but are not limited to, quantum algorithms, quantum-safe cryptography, systems software for quantum computers, quantum AI, and theoretical foundations of quantum computing. Candidates are expected to have an excellent research program with a strong publication record. Candidates with practical and interdisciplinary experience will be given a priority. Candidates with a commitment to the advancement of women and other groups who experience marginalization in computer science are encouraged to apply.

This position is contingent upon the applicant receiving a Tier 2 Canada Research Chair and is subject to the availability of funding and to final approval by the University Board of Governors and the CRC Secretariat. The Canada Research Chair is tenable for five years and may be renewed once. Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 CRC assessed through the program's Tier 2 justification process. Please see the CRC website for eligibility, initial appointment, and chair renewal details at:

http://www.chairs-chaire.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s2

SFU is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 60 faculty members, 350 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

To apply, please submit your curriculum vitae, two examples of refereed published scholarly work, research and teaching statements, and the names and email addresses of four to five

referees (ranked in order of preference). Your research and teaching statements should include an outline of the proposed CRC research program over five years, an explanation of how the proposed research aligns with and advances SFU's 2016-2020 Strategic Research Plan, and a discussion of how this Chair would strengthen graduate training at SFU. Apply through our on-line application system:

<http://www.sfu.ca/computing/about/job-opportunities.html>

Full consideration will be given to applications received by **March 1, 2020**. Applications received after this deadline may be reviewed as far as the position is still open. Any inquiries regarding this posting or the CRC Tier 2 justification process may be directed to cssec@sfu.ca.

SFU recognizes that alternative career paths and/or career interruptions (e.g., maternity leave, leave due to illness) can impact research achievements and commits to ensuring that leaves are taken into careful consideration. Candidates are encouraged to highlight how alternative paths and/or interruptions have impacted them in their application. SFU also recognizes the value of mentoring and research training, outreach, professional service, and nontraditional areas of research and/or research outputs; demonstrated experience in increasing diversity in the previous institutional environment, and in curriculum, is also an asset.

SFU is an institution whose strength is based on our shared commitments to diversity, equity, and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to “foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff, and our community.” SFU is committed to ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the work force, specifically Indigenous peoples, persons with disabilities, racialized persons, and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Candidates that belong to underrepresented groups are particularly encouraged to apply.

SFU offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty, please see the Faculty Relations, Benefits and Service page for more details at:

<https://www.sfu.ca/faculty-relations/benefits-services.html>

SFU is also committed to ensuring that the application and interview process is accessible to all applicants; if you require accommodations or have questions about SFU benefits, services, accommodations policies, or equity considerations please contact the Director of Equity, Diversity, and Inclusion in Faculty Relations:

<https://www.sfu.ca/faculty-relations/contact.html>

Under the authority of the University Act, personal information that is required by the University Academic Appointment Competitions will be collected. For further details see the Collection Notice:

http://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html