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Tier 2 CRC (Tenure-Track Assistant Professor) in Quantum Algorithms University of British Columbia

Posted: **October 22, 2020**

CRC Tier 2 in Quantum Algorithms (tenure-track)

The Department of Electrical and Computer Engineering at the University of British Columbia Vancouver campus invites applications for an appointment of a Natural Sciences and Engineering Research Council (NSERC) Tier 2 Canada Research Chair in the area of quantum algorithms, quantum information and software, and related disciplines. Application areas for quantum computers such as optimization, sensing, and artificial intelligence are also of interest.

Successful applicants will be expected to develop an independent research program that complements the department's existing strengths, assume teaching responsibilities at the undergraduate and graduate levels, and serve the department and university in various capacities. Applicants must exhibit clear interest in and potential to achieve excellence in research, teaching, and service to the academic community.

Appointments will be at the rank of Assistant Professor. Applicants should hold a doctoral degree in a relevant discipline and must be eligible to obtain a full or limited licence with Engineers and Geoscientists British Columbia within five years of appointment.

Tier 2 Canada Research Chairs are intended for exceptional emerging scholars (i.e., candidates must have been active researchers in their field for fewer than 10 years from their degree at the time of nomination). 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. Nominations are subject to review by the CRC Secretariat, and appointment as a CRC is conditional upon their approval. Please consult the Canada Research Chairs website www.chairs.gc.ca for full program information, including further details on eligibility criteria.

In assessing applications, UBC recognizes the legitimate impact that leaves (e.g., maternity leave, leave due to illness) can have on a candidate's record of research achievement. These leaves will be taken into careful consideration during the assessment process.

Please submit applications to <https://ece.ubc.ca/our-department/openings/faculty-positions>. Applications should include a cover letter, curriculum vitae, research statement, teaching statement, and copies of two publications. We also invite candidates to include a diversity statement, addressing how they will contribute to a diverse, equitable, and inclusive academic environment at UBC. Please direct enquiries about the position and the application process to chair-recruiting@ece.ubc.ca.

Applications will be accepted until December 1, 2020. The anticipated start date is July 1st, 2021, but is negotiable.

The University of British Columbia is a global centre for research and teaching that is ranked among the top 40 universities in the world. The Department of Electrical and Computer Engineering is one of the largest academic units at UBC, with approximately 400 graduate students and 1,000 undergraduate students. Our department is anticipating significant renewal over the next few years as we strengthen key areas in high demand. Our research and teaching activities benefit from strong links to the Stewart Blusson Quantum Matter Institute (QMI), the Institute for Computing, Information and Cognitive Systems (ICICS), the Advanced Materials and Process Engineering Laboratory (AMPEL), and as well as strong collaborations with the Department of Computer Science and other units within the Faculty of Applied Science. The department is situated on UBC's Point Grey campus in Vancouver, British Columbia. Vancouver is consistently rated one of the world's most livable cities. For more information about the Department of Electrical and Computer Engineering, please visit <https://ece.ubc.ca/>.

In accordance with UBC's CRC Equity, Diversity, & Inclusion Action Plan, and pursuant to Section 42 of the BC Human Rights code, the selection will be restricted to members of the following designated groups: women, visible minorities (members of groups that are racially categorized), persons with disabilities, and Indigenous peoples. Applicants to Canada Research Chair positions are asked to complete the equity survey (https://ubc.ca1.qualtrics.com/jfe/form/SV_6WJHol7SfPxRMu9) as part of the application, and candidates from these groups must self-identify as belonging to one or more of the designated equity groups to be considered for the position. Because the search is limited to those self-identifying as members of designated equity groups, candidates must also provide their name to be considered.

UBC welcomes and encourages applications from people with disabilities. Accommodations are available on request for all candidates taking part in all aspects of the selection process. To confidentially request accommodations, please contact the Department Head, Steve Wilton at stevew@ece.ubc.ca.

Personal information is collected under the authority of sections 26(a) and 26(c) of the BC Freedom of Information and Protection of Privacy Act. The information you provide will only be used to determine whether you qualify for participation in this hiring process. Data will be collected by the Equity & Inclusion Office and only the names of those who identify as women, visible minorities (member of groups that are racially categorized) and/or Indigenous peoples will be shared with the search committee. Currently, UBC has a gap in representation for people with disabilities. Until such time as this is remedied, the names of those self-identifying as having a disability will be provided separately to the search committee. Responses will be stored in a secure database.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Métis, Inuit, or Indigenous person.

All qualified candidates are encouraged to apply, however, Canadians and permanent residents of Canada will be given priority.



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