DALHOUSIE UNIVERSITY

Assistant Professor, Mathematics
Department of Mathematics and Statistics, Faculty of Science

Dalhousie University invites applicants for a probationary tenure track position in Mathematics from outstanding candidates with a strong background in the mathematical modelling of programming languages and in quantum computing.

The candidates should have demonstrated ability or potential for teaching excellence and establishing a successful research program. The successful candidate will have a PhD in the Mathematical Sciences. Expertise in type theory, category theory, mathematical logic, and/or number theoretic methods in quantum information theory will be an asset. In addition to carrying out their independent research program, the successful candidate will be expected to join an existing research project on the design, semantics, and formal verification of programming languages for quantum computing.

The Department of Mathematics and Statistics at Dalhousie University is at the forefront of research developments in the semantics of quantum programming languages, categorical quantum mechanics, quantum circuit theory, and unitary approximation. The division of Mathematics also has strong research groups in category theory, commutative algebra, harmonic analysis, cosmology, dynamical systems, graphs and games, and differential geometry. The department has a flourishing graduate program and a strong undergraduate Honours program.

The start date for the position is September 1, 2017.

Consideration of candidates will begin on April 30, 2017, and will continue until the position is filled. Complete applications will include a curriculum vitae, a research proposal (max 3 pages), a statement of teaching interests and experience, a completed Self-Identification Questionnaire, which is available at www.dal.ca/becounted/selfid, and three confidential letters of reference, forwarded under separate cover by the referees, to:

Chair, Department of Mathematics and Statistics
Chase Building, Room 219
PO Box 15000, 6316 Coburg Road
Halifax, N.S. B3H 4R2 Canada
email: chair@mathstat.dal.ca
phone: 902-494-2572
fax: 902-494-5130
web: mathstat.dal.ca

Dalhousie is Atlantic Canada's leading research university. The main campus in situated in Halifax - a city known for its youthful spirit, rich history, and scenic waterfront. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Aboriginal people, persons with a disability, racially visible persons, women, persons of minority sexual orientations and gender identities, and all candidates who would contribute to the diversity of our community.