

The University of Manitoba  
Department of Mathematics  
Position Number 30387 (Quantum Frontiers)

The Department of Mathematics invites applications for a full-time tenure-track Assistant Professor, commencing 1 July 2022, or on a date mutually agreed upon. Exceptional candidates at any level will also be considered. The Department seeks an emerging scholar with a commitment to excellence in research and teaching. Outstanding candidates in any area of Mathematics will be considered, with particular emphasis on candidates who will complement or extend the Faculty of Science's initiative on the mathematics of Quantum theory. Some examples of research areas include, but are not limited to, geometric quantization, non-commutative algebra/algebraic geometry, operator algebras, quantum computing, quantum control, quantum graphs, quantum groups, quantum information and quantum topology.

The successful candidate will have a Ph.D. and preferably post-doctoral experience or other distinguishing attributes in Mathematics or a related field. The successful candidate will have a track record of high-quality scholarly research leading to peer-assessed publications; will either have, or demonstrate the potential to establish, an independent, innovative, scholarly, externally fundable research program; will have demonstrated strength in or strong potential for outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment. Duties will include research with the expectation of establishing an externally funded research program, undergraduate teaching, graduate teaching and supervision, and service-related activities. Salary will be commensurate with experience and qualifications. To enhance our department and create role models for a diverse population of students, we particularly invite applications from those who can support and enhance our diversity, including women, Indigenous peoples, other visible minorities, and those committed to a diverse environment.

The Department currently has 23 full-time tenured and tenure-track faculty members, one half-time professor, and 9 Instructors, and offers a full range of both undergraduate and graduate programs in mathematics and its applications. The Department has a well-established and equipped research facility, including computers, software and IT support, and is supported by strong research links with other University of Manitoba departments including the Departments of Biological Sciences, Computer Science, Electrical and Computer Engineering, Physics and Astronomy, and Statistics. Further information about the Department can be obtained from <https://sci.umanitoba.ca/mathematics>. Winnipeg is the largest city in the Province of Manitoba. The city has a rich cultural environment, including symphony, opera, dance, theatre, and ethnic festivals. The region provides ample opportunities for outdoor recreation in all seasons. Learn more about Winnipeg at <https://www.winnipeg.ca>.

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons/persons of colour, Indigenous peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. If you require accommodation supports during the recruitment process, please contact

[UM.Accommodation@umanitoba.ca](mailto:UM.Accommodation@umanitoba.ca) or 204-474-7195. Please note this contact information is for accommodation reasons only. Applications including a curriculum vitae, a statement of teaching philosophy, a summary of research interests and plans, and three letters of reference (one of which addresses teaching) should be submitted to MathJobs (<https://www.mathjobs.org/jobs/list/17609>). Please ensure to specify position number 30387 in the application. For further information contact the Search Committee Chair at [shaun.lui@umanitoba.ca](mailto:shaun.lui@umanitoba.ca). Applications received before 1 October 2021 will receive full consideration. Application materials, including letters of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act. Please note that curricula vitae may be provided to participating members of the search process.