Statistical Sciences
UNIVERSITY OF TORONTO

WE ARE HIRING!

ASSISTANT PROFESSOR IN MATHEMATICAL FINANCE

The Department of Statistical Sciences in the Faculty of Arts and Science at the University of Toronto invites applications for a full-time tenure-stream position in the area of Mathematical Finance. The appointment will be at the rank of Assistant Professor with an anticipated start date of **July 1, 2025**.

This search aligns with the University's commitment to strategically and proactively promote diversity among our community members (**Statement on Equity, Diversity & Excellence**). Recognizing that Black, Indigenous, and other Racialized communities have experienced inequities that have developed historically and are ongoing, we strongly welcome and encourage candidates from those communities to apply.

Candidates must have earned a PhD degree in Statistics, Mathematics, Operations Research or a related area by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in research and teaching. We seek candidates whose research and teaching interests complement and strengthen our existing departmental **strengths**. We seek candidates working in all areas of mathematical finance, including but limited to: stochastic control, stochastic games, mean field games, machine learning, optimal transport, market microstructure, signature methods, risk measures, environment and energy finance, decentralized finance and systemic risk. The successful candidate will be expected to establish innovative and independent research at the highest international level and to establish an outstanding, competitive, and externally funded research program.

Candidates must provide evidence of research excellence which can be demonstrated by a record of publications in top-ranked and field-relevant journals or forthcoming publications meeting high international standards, the submitted research statement,
presentations at significant conferences, awards and accolades, and strong endorsements from referees of high standing.

Evidence of excellence in teaching will be provided through teaching accomplishments, the teaching dossier including a strong teaching statement, sample course materials, and teaching evaluations, as well as strong letters of reference.

The University of Toronto is an international leader in statistical sciences including mathematical finance and actuarial science research and education. The successful candidate will have the ability to teach actuarial science, mathematical finance and/or statistics at the undergraduate level, and mathematical finance, financial engineering and/or statistics at the graduate level. They will be expected to supervise students in the Department's doctoral program in Actuarial Science and Mathematical Finance and be active in teaching and supervision in our Masters of Financial Insurance.

About the Department of Statistical Sciences

- **Our Mission:** Advancing the field of statistical sciences through cutting-edge research, innovative teaching, and strong industry connections.
- **Research Excellence:** Overview of the department's contributions to mathematical finance, data science, and statistics.
- **Community and Collaboration:** Highlighting collaboration with industry, government, and other academic institutions.

Salary will be commensurate with qualifications and experience.

All qualified candidates are invited to apply online at Academic Jobs Online, **https://academicjobsonline.org/ajo/jobs/28294** and must submit a cover letter; a current curriculum vitae; a research statement outlining current and future research interests; a recent writing sample (of no more than 25 pages); and a teaching dossier to include a teaching statement, sample course materials, and teaching evaluations. Equity and diversity are essential to academic excellence as articulated in the University of Toronto's Statement on **Equity, Diversity and Excellence**. We seek candidates who share these values and who demonstrate throughout the application materials their commitment and efforts to advance equity, diversity, inclusion and the promotion of a respectful and collegial learning and working environment.

Applicants must also arrange to have three letters of reference (dated, on letterhead and signed) uploaded through Academic Jobs Online directly by the writers by the closing date.

All applicant materials, including signed reference letters, must be received by **November 18, 2024.**

For more information about the Department of Statistical Sciences, please visit our website at **https://www.statistics.utoronto.ca** or contact Katrina Mintis at **katrina.mintis@utoronto.ca**.

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

Diversity Statement

The University of Toronto embraces Diversity and is building a culture of belonging that increases our capacity to effectively address and serve the interests of our global community. We strongly encourage applications from Indigenous Peoples, Black and racialized persons, women, persons with disabilities, and people of diverse sexual and gender identities. We value applicants who have demonstrated a commitment to equity, diversity and inclusion and recognize that diverse perspectives, experiences, and expertise are essential to strengthening our academic mission.

Accessibility Statement

The University strives to be an equitable and inclusive community and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.
The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.
If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca.