Open Rank Position in Financial Cryptography
School of Information Technology, Faculty of Liberal Arts & Professional Studies

The School of Information Technology in the Faculty of Liberal Arts & Professional Studies at York University invites highly qualified applicants for an Assistant, Associate or Full Professor position in Financial Cryptography. This is a tenure-track appointment to the Professorial Stream to commence January 1, 2024.

The successful applicant will join the first cohort of faculty members based at York’s new Markham Campus. Until the opening of the campus, the appointee will carry some teaching responsibilities at York’s Keele campus while contributing to the development of academic and research programming planned Markham.

The BSc in Financial Technologies for the Markham campus, one of its kind in Canada, is the latest curricular initiative of the School of Information Technology, aimed at offering highly technical training on the application of computational technologies in the finance area. The program is aimed at preparing students to assume critical tech positions in the Canadian and international financial industry and building the next generation of innovators and entrepreneurs in the broad financial technologies area.

The School of Information Technology at York University is unique in its interdisciplinary and applied approach to Information Technology research and education. Situated among some of the top Liberal Arts, Business and Engineering programs in the country, the School offers an ideal environment for developing research and educational initiatives that cross disciplinary boundaries. Home to some of the best reputed scholars in their field, the School features a strong tradition of externally funded research and industrial collaborations.

York University’s Markham Campus offers state-of-the-art facilities to provide innovative job-ready academic programming and research focusing on core themes of technology and entrepreneurship as applied in different contexts, disciplines and professional fields. Building on York University’s academic presence in the City of Markham, the new campus will help fulfil future labour market and civic leadership needs by providing transferable 21st century skills that are at the core of future economic competitiveness and community development in Markham, York Region and across Ontario. Collaboration with York University’s existing research strengths in the core areas of the new campus and dynamic engagement with the area’s businesses, industries, and communities will create an innovative, cross-disciplinary, and social justice-oriented research culture for solving complex problems that transcend traditional disciplines.

Candidate Qualifications:
- **Degree:** PhD in Computer Science, Software Engineering, Information Technology, Applied Mathematics, or a closely related field is required.
• Scholarship:
  o A coherent and well-articulated program of research and specialization in Financial Cryptography. The ideal candidate has a strong grasp of applied cryptographic, data, and information security techniques as they applied to the financial domain, ideally combined with a broad understanding and awareness of the current cryptographic trends in digital payments/protocols, digital currencies, and decentralized finance. While knowledge and record in applied cryptography is very strongly desired, exceptional candidates with a strong record in other technical aspects of digital payments, blockchain, and decentralized finance are welcome to apply.
  o A record or evident promise of generating innovative, substantive, rigorous, and as appropriate, externally funded at the highest level.
  o A record or evident promise of making influential contributions and demonstrating excellence in the field (e.g., publications (or forthcoming publications) with significant journals and major conferences; awards, grants and accolades; the research statement; and strong recommendations from referees of high standing).

• Teaching:
  o A record or evident promise of excellence in teaching and dedication to students (e.g., teaching and supervision record; teaching statement; teaching accomplishments and pedagogical innovations (e.g., in high priority areas such as experiential education and technology enhanced learning).
  o Suitability for prompt appointment to the Faculty of Graduate Studies, given that the position will involve graduate teaching and supervision.

Hiring Policies:
• Salary will be commensurate with qualifications and experience.
• All York University positions are subject to budgetary approval.
• York is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, in its community. Details of the AA Program, which applies to women, members of racialized groups, Indigenous peoples, persons with disabilities and those who identify as 2SLGBTQ+, can be found here or by contacting Christal Chapman, EDI Program Manager (chapman7@yorku.ca; 416-736-5713).
• York welcomes and employs scholars from all over the world. All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents and Indigenous peoples of Canada will be given priority.
• York has a policy on Accommodation in Employment for Persons with Disabilities and is committed to working towards a barrier-free workplace and expanding the accessibility of the workplace to persons with disabilities. Applicants who require accommodation are invited to contact Prof. Sotirios Liaskos, Search Committee Chair, at liaskos@yorku.ca.

Application Process:
• Due date for completed applications: September 1, 2023
• Required materials: 1) current CV; 2) cover letter; 3) statement of research; 4) a statement of teaching (optionally including teaching evaluations or a teaching dossier); 5) up to three representative publications; 6) the names and contact information of three referees who can comment on research record, ability, and promise.
• Provide required information regarding your Canadian work status and optional self-identification for Affirmative Action purposes as part of the online application.
• Direct questions about the position to Prof. Sotirios Liaskos, Search Committee Chair, at liaskos@yorku.ca.
• Submit materials: at https://apply.laps.yorku.ca

Learn More About York:
• York University generates and shares knowledge through our research, teaching and engagement with communities around the world. The 2023-2028 Strategic Research Plan showcases the depth, breadth and ambition of research at York.
• York’s commitments to social justice are laid out in our Decolonizing, Equity, Diversity and Inclusion Strategy, the Framework & Action Plan on Black Inclusion and the Indigenous Framework for York University.
• Follow the activities and accomplishments of York’s faculty, students and staff on YFile.

York University acknowledges its presence on the traditional territory of many Indigenous Nations. The area known as Tkaronto has been care taken by the Anishinabek Nation, the Haudenosaunee Confederacy, and the Huron-Wendat. It is now home to many First Nation, Inuit and Métis communities. We acknowledge the current treaty holders, the Mississaugas of the Credit First Nation. This territory is subject of the Dish with One Spoon Wampum Belt Covenant, an agreement to peaceably share and care for the Great Lakes region.