Assistant Professor, Medical Robotics (UTM)

The Department of Mathematical and Computational Sciences at the University of Toronto Mississauga (UTM) invites applications for a full-time tenure stream appointment in the area of Computer Science. The appointment will be at the rank of Assistant Professor and will commence on July 1, 2022 or shortly thereafter.

Applicants must have a Ph.D. in Computer Science in a computer-aided surgery and medical robotics topic by the time of appointment or shortly thereafter. We seek applications from candidates conducting research on computer-aided surgery and medical robotics with postdoctoral training experiences (at least 2 years), international research experience, and a demonstrated record of excellence in research and teaching. Applicants must demonstrate strong experience in interdisciplinary and translational research in the areas of endoscopic computer vision, augmented reality, medical continuum robots, autonomous procedures such as soft tissue motion compensation or laser surgery as well as innovative surgical instruments and robots. The successful candidate will be expected to pursue innovative and independent research at the highest international level; to establish an outstanding, competitive, and externally funded research program; and to contribute to the enrichment of undergraduate programs in the department.

The successful candidate is expected to establish a research program and teaching portfolio that bridges between disciplines and fosters interdisciplinary collaborations in computer science, engineering, natural science, and medicine. We welcome exceptional candidates who transcend traditional backgrounds, and we seek those whose research and teaching interests complement our existing departmental strengths in robotics. The successful candidate will have their graduate appointment with the Institute of Biomedical Engineering (https://bme.utoronto.ca/).

Candidates must provide evidence of research excellence that 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, a teaching statement, sample course syllabi, and teaching evaluations submitted as part of the application, as well as strong letters of reference.

At UTM we are committed to fostering an environment of diversity and inclusion. With an enviable diverse student body, we especially welcome applications from candidates who identify as Indigenous, Black, or racially visible (persons of colour), and who have experience working with teaching or mentoring diverse groups or students. Candidates must demonstrate, in their application materials, an ability to foster diversity on campus and within the curriculum or discipline, and must show evidence of a commitment to equity, diversity, inclusion, and the promotion of a respectful and collegial environment. Candidates must submit a statement describing their contributions to equity, diversity, and inclusion, which might cover topics such as (but not limited to): teaching that incorporates a focus
on underrepresented communities; efforts undertaken to develop inclusive pedagogies, collaboration, and engagement with underrepresented communities; and mentoring of students from underrepresented groups. If you have questions about this statement, please contact Professor Ilia Binder, Chair at ilia.binder@utoronto.ca.

Salary will be commensurate with qualifications and experience.

The University of Toronto offers the opportunity to teach, conduct research, and live in one of the most diverse metropolitan areas in the world.

Application materials for the position must be submitted online through AcademicJobsOnline at https://academicjobsonline.org/ajo/jobs/19755. The required materials are the candidate's current curriculum vitae, list of publications, research statement, teaching dossier to include a teaching statement, sample course syllabi and teaching evaluations, at least three letters of reference (on letterhead, signed and scanned) uploaded to AcademicJobsOnline directly by the writers, and a statement describing contributions to equity, diversity, and inclusion (as outlined above). For enquiries, please contact Julia Martyn, Chair’s Assistant, at julia.martyn@utoronto.ca.

All application materials, including reference letters, must be received by December 15, 2021.

**Diversity Statement**

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

**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.