



AUTHORIZATION TO ADVERTISE ACADEMIC VACANCY

IN SWAAC BULLETIN

Human-Centered Robotic Technologies, Department of Kinesiology and Health Sciences

The Department of Kinesiology and Health Sciences in the Faculty of Health at the University of Waterloo is seeking an exceptional scholar and researcher for a tenure track position at the rank of Assistant Professor in the area of **Human-Centered Robotic Technologies**. In special circumstances, qualified candidates who are at the rank of Associate Professor may be considered.

The Department of Kinesiology and Health Sciences is an inter-disciplinary department with expertise spanning the scientific study of human movement. A main focus of the department is to discover and explain mechanisms and principles of human movement and to apply this knowledge to the prevention of illness and injury using strategies that optimize health and physical performance. The department offers a B.Sc. degree in Kinesiology, MKIN, and M.Sc. and Ph.D. degrees in Kinesiology and Health Sciences. Further information about the department can be found at the Department of Kinesiology & Health Sciences: <https://uwaterloo.ca/kinesiology-health-sciences/>.

The successful candidate must have a PhD with evidence of an active research program within the area of human-centered robotic interaction and implementation. This area spans from exoskeletons for occupational application to fundamental investigations of clinical applications of robotics. We welcome applications from individuals across a range of possible disciplines and research themes including, but not limited to: ergonomics, clinical biomechanics, performance enhancement, rehabilitation, or assistive robotics. Individuals planning to develop or having both a fundamental and applied focus of research are particularly encouraged to apply. Primary duties include research, teaching at the undergraduate and graduate level, and supervising graduate students.

Candidates are expected to have a strong portfolio of scholarly research, evidence of ability to obtain extramural funding and demonstrate the potential for excellence in teaching. In addition to advancing a personal research program, candidates will have the opportunity to work as part of multidisciplinary teams. Research opportunities exist not only within the Department of Kinesiology and Health Sciences and its new 20,000 ft² Centre for Community, Clinical and Applied Research Excellence ([CCCARE](#)), but also within associated research clusters including the Centre of Research Expertise for the Prevention of Musculoskeletal Disorder ([CRE-MSD](#)), Waterloo's robotic research facility ([RoboHub](#)), Centre for Bioengineering and Biotechnology ([CBB](#)), and the Schlegel-UW Research Institute for Aging ([RIA](#)). There are extensive opportunities for collaborative multidisciplinary research in Health and Engineering with dedicated CRC research clusters and the CERC in Human-Centred Robotics and Machine Intelligence.

Based on qualifications, the salary range for this position will range from \$90,000 to \$130,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

The closing date for applications is **September 1, 2022**. The anticipated start date is **January 1, 2023** or as negotiated.

Applications should include a statement of research interest and teaching experience, overview of the applicant's anticipated 5-year research plan and curriculum vitae. These materials should be sent electronically to the attention of: Professor Russ Tupling, Chair, Department of Kinesiology and Health Sciences, University of Waterloo, Waterloo, Ontario N2L 3G1 Canada. Please send via email to Jenny

Davey at: jennyfer@uwaterloo.ca. Applicants should also provide names for four referees who would be willing to provide letters of support upon request from the search committee.

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office (<https://uwaterloo.ca/human-rights-equity-inclusion/indigenousinitiatives>).

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview or workplace accommodation requests, please contact Dr. Russ Tupling, Chair, Kinesiology and Health Sciences.

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact Professor Russ Tupling, Chair, Department of Kinesiology and Health Sciences, University of Waterloo, Waterloo, Ontario N2L 3G1 Canada (or send email to Jenny Davey at: jennyfer@uwaterloo.ca).

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

Three reasons to apply: <https://uwaterloo.ca/faculty-association/why-waterloo>.

Signature of Chair/Director		Date: <u>July 20, 2022</u>
Signature of Dean		Date: <u>July 20, 2022</u>
Approved: Vice-President Academic & Provost	_____	Date: _____