University of Guelph, Department of Mathematics and Statistics,

Assistant Professor in Mathematics and Statistics focusing on Artificial Intelligence

The Department of Mathematics and Statistics at at the University of Guelph invites applications for a tenure-track position at the Assistant Professor level in the areas of statistical learning, machine learning, neural learning and/or computational intelligence. The successful candidate will actively participate in the newly established University of Guelph Centre for Advancing Responsible and Ethical Artificial Intelligence (CARE-AI) and the new Collaborative Masters in Artificial Intelligence (AI). The anticipated start date of the position is 1 Sept 2019.

The successful applicant will have a Ph.D. in mathematics or statistics or a closely related area. They will have an established record of, or potential to develop, an independent program of research with global impact funded by Canadian and international agencies (i.e. NSERC, CIHR, NIH, SHHRC) leading to international recognition. This program will be in the area of mathematical and statistical approaches to AI and/or theoretical, methodological, or ethical foundations of AI. Applicants should have experience in the applications of AI and willingness to collaborate with researchers in other disciplines.

Applicants must have the inspiration and ability to teach and supervise undergraduate and graduate students. They will be expected to develop and offer graduate courses related to AI, to broadly contribute to the teaching mandate of the department at the undergraduate level including courses in both the Mathematical Sciences major and service courses, and to supervise students in graduate and undergraduate research.

The Department of Mathematics and Statistics is housed in the College of Engineering and Physical Sciences at the University of Guelph. We are an active and dynamic group of researchers and educators working in a wide range of fields in mathematics and statistics. We are proud to offer both undergraduate and graduate degree programs to help prepare students for careers in Mathematical Science. We actively participate in the newly-launched CARE-AI, whose mission is to advance multidisciplinary AI training and research, and its responsible application to foster economic growth and improve life.

The University of Guelph is the second-largest employer in Guelph, a city of approximately 130,000 people, located about an hour drive west of Toronto, Ontario. University of Guelph is a top-ranked comprehensive university in Canada with an enrolment of about 30,000 undergraduate and graduate students across over 40 academic units. The University is known for its commitment to student learning, innovative research, and collaboration with world-class partners. It is a unique place, with transformative research and teaching and a distinctive campus culture. People who learn and work here are shaped and inspired by a shared purpose: *To Improve Life*. Reflecting that shared purpose in every experience connected to our university positions us to create positive change, here and around the world. Our University community shares a profound sense of social responsibility, a drive for international development, and an obligation to address global issues.

Application Process

Assessment of applications will begin on **May 1, 2019** and will continue until the position is filled. A complete application package consists of: (1) a cover letter; (2) a lifetime curriculum vitae; (3) a 1-2 page research statement; (4) a 1-2 page teaching statement; (5) names and contact information for

three (3) referees. These documents must be arranged, in order, in a **SINGLE PDF FILE**. Applications should be sent to the attention of:

Dr. Julie Horrocks
Chair
Department of Mathematics and Statistics
University of Guelph
Guelph, ON N1G 2W1
Email: jhorrock@uoguelph.ca .

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

The University recognizes that applicants may have had obligations outside of work that have negatively impacted their record of achievements (e.g., parental, elder care, and/or medical). You are not required to disclose these obligations in the hiring process. If you choose to do so, the University will ensure that these obligations do not negatively impact the assessment of your qualifications for the position.

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit and we offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them.

At the University of Guelph, fostering a culture of inclusion is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.

If you require a medical accommodation during the recruitment or selection process, please contact Occupational Health and Wellness at 519-824-4120 x52674