Postdoctoral Fellowship or Research Scientist in Applied AI/Robotics

Ingenuity Labs Research Institute
Queen's University at Kingston, Canada

The <u>Ingenuity Labs Research Institute</u> (a.k.a. "Ingenuity Labs") at Queen's University is an interdisciplinary research initiative that focuses on the combination of AI, robotics, and human-machine interfaces to create future intelligent systems and robotic machines that enhance human productivity, safety, performance, and quality of life. **Ingenuity Labs is currently seeking to hire a postdoctoral fellow (or research scientist) with expertise in robotics and intelligent systems to support a new project in the area of AI and robotics as applied to rail infrastructure thermal stress condition assessment.** The suitable candidate will have a PhD in electrical and/or computer engineering, mechanical engineering, or related discipline, preferably with hands-on experience in robotics and/or machine learning tools and techniques. The project will involve working together with researchers at Queen's and the National Research Council of Canada (NRC) to develop a robotic system for the deployment of fibre-based sensors to monitor thermal stresses on railways over long distances. The selected postdoctoral fellow will also support the study and use of AI-based techniques to classify/interpret data from deployed sensors. Finally, the selected candidate will also have the opportunity to join the greater Ingenuity Labs community, which is active in research related to robotics and intelligent systems across the disciplines.

To apply, interested and qualified candidates should send a CV, three references, and a cover letter stating why they are interested in this position and what particular skills and experience they bring, to Ingenuity Labs via Administrative Assistant Kate Cowperthwaite (<u>ingenuity.labs@queensu.ca</u>). Applications will be reviewed on July 1, 2020, but applications will be accepted until this position is filled. **Only candidates selected for an interview will be contacted.** Queen's University is an equal opportunity employer.¶

Additional Details about the Position

Posting date:	May 14, 2020
Job title:	Postdoctoral Fellow in Applied AI/Robotics
Department/Unit:	Ingenuity Labs Research Institute
Job description:	See description on Page 1.
Supervisor(s):	Dr. Neil Hoult (neil.hoult@queensu.ca) Dr. Joshua Marshall (joshua.marshall@queensu.ca)
Renumeration:	$60,000 per annum, including benefits and vacation
Appointment period:	August 1, 2020 for two years (but a later date is possible)
Required qualifications:	A PhD in electrical and/or computer engineering, mechanical engineering, computer science, or a related discipline. Experience in the design and application of robotics and/or AI technologies is desirable.
Required documentation:	Statement of interest (cover letter), CV, list of three references, two sample publications.
Application deadline:	July 1, 2020, but applications will be accepted until the position is filled
Application procedure:	Apply be email to Kate Cowperthwaite via (ingenuity.labs@queensu.ca)

Employment Equity

The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal peoples, persons with disabilities, and LGBTQ persons.

Accommodation in the Workplace

The University has policies in place to support its employees with disabilities, including an Accommodation in the Workplace Policy and a policy on the provision of job accommodations that take into account an employee's accessibility needs due to disability. The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please let us know.