University of Toronto
Faculty of Applied Science & Engineering
Mechanical & Industrial Engineering
Posting: November 22, 2021

Area of Research: The Toronto Institute of Advanced Manufacturing (TIAM) is a multidisciplinary institute across the Faculty of Applied Science and Engineering (FASE) at the University of Toronto. TIAM's mission is to deal with the ever increasing demand of enabling technologies in the 21st century by providing innovation and leadership through research and development, training and education in Ontario, Canada and worldwide. As part of the University of Toronto's strategic vision, TIAM is focusing on new robotic and AI technologies, advanced materials, processes and engineering techniques to enable technology transfer generated from an idea to a final product.

Description of Duties: TIAM seeks an exceptional PDF to contribute to the research of new and existing collaborative projects in autonomous, robotics and smart materials. The PDF will help with the set-up of the infrastructure of new research equipment in this area for conducting the research and be involved in researching and developing new technologies to support our collaborative research projects. The PDF will also assist in writing proposals and reports for funding, as well as first-authored publications in high impact journals to promote the work of TIAM.

Required Qualifications: Candidates must have a PhD in mechanical engineering or related field. Excellent communication skills, strong independent research skills, and collaborating with industry partners. The applicant will be expected to work independently, provide leadership to an interdisciplinary team of graduate students, and produce publishable results.

Candidates should have excellent expertise in advanced manufacturing, automation and robotics fields.

Ideal candidates are leaders that excel at motivating and managing small teams; have excellent organizational and time ‐ management skills; and have excellent communication skills, including the capacity to offer thoughtful and clear technical guidance on research projects.

Salary: $40,000/year

Expect start date: Immediate

Schedule: 100%

Appointment Type: Term (12 months) with a possible renewal

To Apply

Applications should be sent by November 29, 2021, to Professors Hani Naguib (naguib@mie.utoronto.ca) and Goldie Nejat (nejat@mie.utoronto.ca.) Please use the subject line "TIAM PDF Application" to reference this opportunity. Evaluation of candidates will begin immediately, and continue until filled.

Posting Date: November 22, 2021

Closing Date: November 29, 2021

The normal hours of work are 40 hours per week for a full time Post Doctoral Fellow (pro-rated for those holding a partial appointment) recognising that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement. This job is posted in accordance with the CUPE 3902 Unit 5 Collective Agreement.

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, LGBTQ persons, and others who may contribute to the further diversification of ideas.