

**Posting: February 5, 2021**

University of Toronto  
Faculty of Applied Science and Engineering  
Mechanical and Industrial Engineering Department

**Area of Research:** Lightweight Polymeric Foams and Multifunctional Composites

**Description of Duties:** We are seeking post-doctoral fellow(s) to collaborate with a leading industry partner on the development of fundamental understanding of foaming process and foam properties with new proprietary materials. The fellow will also contribute to a fundamental research program exploring process-structure-property of various foam materials.

**Required Qualifications:** Applicants should hold a PhD in mechanical/chemical engineering or Materials Science. Knowledge and relevant experience in related fields are required. Experience with high pressure characterization is advantageous. Knowledge of the fundamentals of various polymer characterizations is desirable. Candidates should be highly motivated, with an interest in augmented reality as an evolving mainstream technology and industry and;

- Demonstrate academic excellence and high potential for success in their chosen fields;

Excellent communication skills, strong independent research skills, and sensitivity to industry partner direction are also required. The candidate will be expected to work independently, provide leadership to an interdisciplinary team of graduate students, and produce publishable results.

**Salary:** starting from \$40,000

**Expect start date:** as soon as possible

**Term:** 1 year term with possible renewal

**FTE:** 100%

**Closing date:** March 15, 2021

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing 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.

**Application Instructions:** The application package (to be emailed to Prof. Patrick Lee) should include a cover letter and CV, including a list of 3 professional references. Please email to [patricklee@mie.utoronto.ca](mailto:patricklee@mie.utoronto.ca).

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.