

Post-Doctoral Fellow
University of Toronto

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Posted Jul. 13, 2019, set to expire Nov. 12, 2019

Job Title	Post-Doctoral Fellow
Department	Mechanical Engineering https://www.mie.utoronto.ca/
Institution	University of Toronto Toronto, Ontario
Date Posted	Jul. 13, 2019
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Polymer Science Mechanical Engineering Chemical/Petroleum
Apply By Email	patricklee@mie.utoronto.ca

Job Description

Area of Research: Lightweight 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 rheology 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.

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Applicants must:

- Demonstrate academic excellence and high potential for success in their chosen fields;
- Identify as Indigenous and/or Black;
- Have obtained a doctoral degree, normally within the last five years from the start date of the funding, or will have obtained the degree at the time the fellowship commences; and

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: \$7,000/year

Expect start date: May 1, 2020

Term: 2 years.

FTE: 100%

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 Patrick Lee) should include a cover letter and CV, including a list of 3 professional references.

Supervisor: Dr. Patrick Lee, Professor
Department of Mechanical & Industrial Engineering
Faculty of Applied Science & Engineering
University of Toronto
5 King's College Road
Toronto, ON Canada M5S 3G8
Phone: +1 (416) 946-5407
Email: patricklee@mie.utoronto.ca
Website: <https://www.mie.utoronto.ca/mie/faculty/lee>

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Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

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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.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Patrick C. Lee
Mechanical Engineering
University of Toronto
5 King's College Rd
Toronto, ON M5S3G8
Canada

Contact E-mail patricklee@mie.utoronto.ca