

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

Area of Research: Polymer Processing and Characterization

Description of Duties: We are seeking Mitacs Accelerate post-doctoral fellow to collaborate with a leading industry partner on the development of coextruded parts with new proprietary materials. The fellow will also contribute to a fundamental research program exploring process-structure-property of various polymer pairs using a lab-scale coextrusion line and various characterization tools. More detailed info on: <https://www.mitacs.ca/en/opportunity/3007/view>

Required Qualifications: Applicants should hold a PhD in mechanical/chemical engineering or Materials Science. Knowledge and relevant experience in related fields (e.g. general polymer processing and characterization) are required. Knowledge of the fundamentals of various polymer characterizations is desirable. Candidates should be highly motivated with excellent communication skills, strong independent research skills, and sensitivity to industry partner direction are also required. The candidate will be expected to work independently, and produce publishable results.

Salary: \$40,000/year

Expect start date: As soon as possible

Term: 1 year will be available. An extension of funding to two years is possible, depending on project success and availability of funds.

FTE: 100%

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow 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 CV, including a list of 3 professional references.

Supervisor: Dr. Patrick Lee, Associate Professor
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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.