

Posting Date: August 3, 2018

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

Area of Research: Improved Energy and Water use in Condominiums

Description of Duties: The Post-Doctoral fellow will collaborate with a leading industry partner on the development of a novel method of hot water delivery in condominiums through field and computational studies.

Required Qualifications: Applicants should hold a PhD in engineering. Knowledge and relevant experience in MatLab/Simulink and Labview is necessary. Work will require field studies within downtown Toronto. Experience with COMSOL is advantageous. Candidates should be highly motivated, with an interest in energy modeling and UL Standard development. 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 as part of team. Visiting the industrial partner site will be necessary and produce publishable results.

Salary: \$50,000/year

Expect start date: September 15, 2018 (or earlier)

Term: 6 months will be available. An extension of funding to two years is possible, depending on project success and availability of funds.

FTE: 100%

Closing Date: August 20, 2018

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 P.E. Sullivan as per the address below) should include a cover letter and CV, including a list of 3 professional references.

Supervisor: Dr. Pierre Sullivan

Professor

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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.