



Mechanical & Industrial Engineering  
UNIVERSITY OF TORONTO

## Thesis Projects (MIE498 H/Y) 2018–2019

**Title/Topic:** Silicon on Insulator (SOI) for high temperature pressure measurements

**Description:**

There exists a need for pressure sensors that operate in high temperature environments such as melt plastics. In partnership with a local company, there is an interest in developing a pressure sensor that meets EU requirements for liquid free operation and can be used in environments up to 600oC. The work will combine computational modeling and initial experimental work. Experience with COMSOL is a benefit.

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