Mechanical & Industrial Engineering
UNIVERSITY OF TORONTO

MIE498H1: Research Thesis 2023-2024

Supervisor	Andreas Mandelis
Supervisor email	mandelis@mie.utoronto.ca
Number of Positions	1
Open to	Undergraduate Mechanical and Industrial Engineering Students
Term Offered	Full-Year (Y)
Research Area	Materials, Clean Energy
Research Topic	Non-Destructive Diffusion-wave Techniques and Imaging for Solar Cells and Clean Energy Conversion Optoelectronic Devices

Project Description

Development of novel diffusion-wave imaging and other diagnostic techniques for industrial quality control of optoelectronic materials and devices, primarily silicon solar cells as well as substrate wafers under various device fabrication and processing phases.

Additional Information	For more information, consult https://cadipt.mie.utoronto.ca, Prof Mandelis (mandelis@mie.utoronto.ca), Dr Melnikov (melnikov@mie.utoronto.ca)
Application Instructions	Submit agreement to undertake the project to Prof Mandelis (mandelis@mie.utoronto.ca), Dr Melnikov (melnikov@mie.utoronto.ca) and provide a copy of unofficial transcript