

CARLETON UNIVERSITY

Department of Mechanical and Aerospace Engineering

MASTER'S THESIS EXAMINATION

CANDIDATE: *Fraser Kirby*
B. of Mechanical Engineering, Carleton University, 2020

DATE: *Friday June 30, 2023, 10:00 Video Conference*

THESIS TITLE: *Development of a Tunable Diode Laser Absorption Spectroscopy System for Quantification of Transient Emissions from Liquid Hydrocarbon Storage Tanks*

EXAMINATION BOARD:

Member of Joint Institute	William Hallett, Mechanical Engineering - University of Ottawa	(Video Conference)
Member of Department	Andrew Speirs, Mechanical & Aerospace Engineering	(Video Conference)
Thesis Supervisor	Matthew Johnson, Mechanical & Aerospace Engineering	(Video Conference)
Chair of Defence	Alex Ellery, Mechanical & Aerospace Engineering	(Video Conference)
Chair/Director of Department or Designate	Ron Miller	(Ex-officio)
Dean of Faculty	Larry Kostiuk	(Ex-officio)
Dean, Faculty of Graduate and Postdoctoral Affairs	Patrice Smith	(Ex-officio)