

CARLETON UNIVERSITY

Department of Mechanical and Aerospace Engineering

MASTER'S THESIS EXAMINATION

CANDIDATE: *Philip Okotete*
B. Applied Science, Carleton University, 2022

DATE: *Monday August 19, 2024, 10:00 3324 Mackenzie/Video Conference*

THESIS TITLE: *Sensitivity Analysis and Multi-Objective Optimization of Forced Steering Bogies of Railway Transit Cars using Coupled Surrogate Models and NSGA-III*

EXAMINATION BOARD:

Member of Joint Institute	Mohammad Pirani, Mechanical & Aerospace Engineering	(In Person)
Member of Department	John Hayes, Mechanical & Aerospace Engineering	(In Person)
Member of Department	Mohammad Biglar Begian, Mechanical & Aerospace Engineering	(Video Conference)
Thesis Supervisor	Robin Chhabra, Mechanical & Aerospace Engineering	(In Person)
Thesis Co-Supervisor	Wei Huang, National Research Council of Canada	(In Person)
Chair of Defence	Mehdi Eshaghi, Mechanical & Aerospace Engineering	(In Person)
Chair/Director of Department or Designate	Edgar Matida	(Ex-officio)
Dean of Faculty	Larry Kostiuk	(Ex-officio)
Vice-Provost, Graduate Studies	Patrice Smith	(Ex-officio)