CARLETON UNIVERSITY

Department of Mechanical and Aerospace Engineering

MASTER'S THESIS EXAMINATION

CANDIDATE: *Alexander Gruescu*

DATE: *Thursday December 10, 2026, 14:00 3324 Mackenzie/Video Conference*

THESIS TITLE: *Hierarchical Quadrotor Navigation with Hybrid Planning Through Deep Reinforcement Learning and Dynamic Movement Primitives on Dynamic High-Fidelity Simulation Environments*

EXAMINATION BOARD:

Internal Examiner	Chao Shen, Systems & Computer Engineering	(In Person)
Member of Department	Fidel Khouli, Mechanical & Aerospace Engineering	(In Person)
Thesis Supervisor	Hashim Mohamed, Mechanical & Aerospace Engineering	(In Person)
Thesis Co-Supervisor	Awantha Jayasiri, Mechanical & Aerospace Engineering	(In Person)
Chair of Defence	Metin Yaras, Mechanical & Aerospace Engineering	(In Person)
Chair/Director of Department or Designate	Edgar Matida	(Ex-officio)
Dean of Faculty	Ron Miller	(Ex-officio)
Vice-Provost, Graduate Studies	Nadeem Siddiqi	(Ex-officio)