

**CARLETON UNIVERSITY**  
**Department of Mechanical and Aerospace Engineering**  
**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Tariq Maksoud*

**DATE:** *Friday May 26, 2023, 10:00 3324 Mackenzie Building/Video Conference*

**THESIS TITLE:** *Analysis of Urban Air Taxi Inner Loop Controller Architectures Subject to Noisy Inertial Measurement Unit Input while Immersed in Empirically-Developed Urban Airflow Disturbances*

**EXAMINATION BOARD:**

<b>Member of Joint Institute</b>	Davide Spinello, Mechanical Engineering - University of Ottawa	(Video Conference)
<b>Member of Department</b>	Jeremy Laliberte, Mechanical & Aerospace Engineering	(In Person)
<b>Thesis Supervisor</b>	Fidel Khouli, Mechanical & Aerospace Engineering	(In Person)
<b>Thesis Co-Supervisor</b>	Mohamed Atia, Systems & Computer Engineering	(In Person)
<b>Chair of Defence</b>	Jie Liu, Mechanical & Aerospace Engineering	(Video Conference)
<b>Chair/Director of Department or Designate</b>	Ron Miller	(Ex-officio)
<b>Dean of Faculty</b>	Larry Kostiuk	(Ex-officio)
<b>Dean, Faculty of Graduate and Postdoctoral Affairs</b>	Patrice Smith	(Ex-officio)