

**CARLETON UNIVERSITY**  
**Department of Mechanical and Aerospace Engineering**  
**PH.D. THESIS EXAMINATION**

*CANDIDATE:           Borna Monazzah Moghaddam*

*DATE:                 Monday August 19, 2024, 12:00 3324 Mackenzie/Video Conference*

*THESIS TITLE:       Safe Geometric Control of Orbital Manipulators for Non-cooperative Debris Mitigation*

**EXAMINATION BOARD:**

<b>External Examiner</b>	Farhad Aghili, Canadian Space Agency	(Video Conference)
<b>Internal Examiner</b>	Carlos Rossa, Systems & Computer Engineering	(In Person)
<b>Member of Joint Institute</b>	Davide Spinello, Mechanical Engineering - University of Ottawa	(In Person)
<b>Member of Department</b>	Hashim Mohamed, Mechanical & Aerospace Engineering	(In Person)
<b>Member of Department</b>	Mojtaba Ahmadi, Mechanical & Aerospace Engineering	(In Person)
<b>Thesis Supervisor</b>	Robin Chhabra, Mechanical & Aerospace Engineering	(In Person)
<b>Chair/Director of Department or Designate</b>	Edgar Matida	(Ex-officio)
<b>Dean of Faculty</b>	Larry Kostiuk	(Ex-officio)
<b>Vice-Provost, Graduate Studies</b>	Patrice Smith	(Ex-officio)