

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

CANDIDATE: *Lakshay Arora*

DATE: *Friday November 14, 2025, 12:00 4124 Mackenzie Building*

THESIS TITLE: *Koopman Expectation-Based Optimization for Offline Spacecraft Rendezvous
Guidance Under Parametric Uncertainties*

EXAMINATION BOARD:

External Examiner	Marco Ciarcia, Colorado State University	(Video Conference)
Internal Examiner	Ramy Gohary, Systems & Computer Engineering	(In Person)
Member of Joint Institute	Thomas Uchida, Mechanical Engineering - University of Ottawa	(In Person)
Member of Department	Fred Afagh, Mechanical & Aerospace Engineering	(In Person)
Thesis Supervisor	Steve Ulrich, Mechanical & Aerospace Engineering	(In Person)
Chair of Defence	Ioannis Lambadaris, Systems & Computer 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)