

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

CANDIDATE: *Sayyed Hossein Sadat Hosseini*

DATE: *Monday June 15, 2026, 10:00 4124 Mackenzie Building*

THESIS TITLE: *Multimodal Learning Frameworks for Lower-Limb Motion Intention Detection and Prediction in Assistive Robotics*

EXAMINATION BOARD:

External Examiner Abed Khorasani, Neuro Rehabilitation Engineering (In Person)
- North Western University

Internal Examiner Amedeo D'Angiulli, Neuroscience (In Person)

Internal Examiner James Green, Systems and Computer Engineering (In Person)

Member of Joint Institute Marc Doumit, Mechanical Engineering - University (In Person)
of Ottawa

Thesis Supervisor Mojtaba Ahmadi, Mechanical & Aerospace (In Person)
Engineering

Chair of Defence Paul Simms, Civil & Environmental Engineering (In Person)

Chair/Director of Department Edgar Matida (Ex-officio)
or Designate

Dean of Faculty Ron Miller (Ex-officio)

Vice-Provost, Graduate Nadeem Siddiqi (Ex-officio)
Studies