

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

CANDIDATE: *Simon Fabisiak*
Bachelor of Engineering, Carleton University, 2024

DATE: *Tuesday September 15, 2026, 9:30 3324 Mackenzie Building*

THESIS TITLE: *IMU-Based Lower-Limb Motion Analysis: Development of Functional Coordinate Systems and Validation of Stair Gait Event Detection*

EXAMINATION BOARD:

Internal Examiner	Adrian Chan, Systems & Computer Engineering	(In Person)
Member of Department	Robert Langlois, Mechanical & Aerospace Engineering	(In Person)
Thesis Supervisor	Andrew Speirs, Mechanical & Aerospace Engineering	(In Person)
Chair of Defence	Matthew Johnson, 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)