

CARLETON UNIVERSITY

Department of Mechanical and Aerospace Engineering

MASTER'S THESIS EXAMINATION

CANDIDATE: *Hamdan Alatresh Bitlmal*

DATE: *Wednesday January 10, 2024, 10:00 Video Conference*

THESIS TITLE: *Guidance Navigation and Control for a Mobile Robot based on Vision System and Adaptive Particle Filter*

EXAMINATION BOARD:

Member of Joint Institute	Dan Necsulescu, Mechanical Engineering - University of Ottawa	(Video Conference)
Member of Department	Steve Ulrich, Mechanical & Aerospace Engineering	(Video Conference)
Thesis Supervisor	Jurek Sasiadek, Mechanical & Aerospace Engineering	(Video Conference)
Chair of Defence	Cynthia Cruickshank, Mechanical & Aerospace Engineering	(Video Conference)
Chair/Director of Department or Designate	Ron Miller	(Ex-officio)
Dean of Faculty	Larry Kostiuk	(Ex-officio)
Dean, Faculty of Graduate and Postdoctoral Affairs	Patrice Smith	(Ex-officio)