CARLETON UNIVERSITY

Department of Mechanical and Aerospace Engineering MASTER'S THESIS EXAMINATION

CANDIDATE: Mohammad Almalak

B. of Mechanical Engineering, Carleton University, 2021

DATE: Friday May 31, 2024, 10:30 3324 Mackenzie Building/Video Conference

THESIS TITLE: Vehicle Dynamics Modelling and Simulation for Use in the Development of a

Self-Healing Auto Cyber Security System (SHACS) Proof-of-Concept

EXAMINATION BOARD:

Member of Department Derek Gransden, Mechanical & Aerospace (In Person)

Engineering

Member of Department Mostafa El Sayed, Mechanical & Aerospace (In Person)

Engineering - In Place of the University of Ottawa

Thesis Supervisor Fidel Khouli, Mechanical & Aerospace Engineering (In Person)

Thesis Co-Supervisor Robert Langlois, Mechanical & Aerospace (In Person)

Engineering

Chair of Defence Mohammad Biglar Begian, Mechanical & (In Person)

Aerospace Engineering

Chair/Director of Department Ron Miller (Ex-officio)

or Designate

Dean of Faculty Larry Kostiuk (Ex-officio)

Dean, Faculty of Graduate and Patrice Smith (Ex-officio)

Postdoctoral Affairs