CANDIDATE: Ayman Al-Sukhon  
Bachelor of Engineering, Ryerson University, 2018

DATE: Wednesday August 19, 2020, 13:00 Video Conference

THESIS TITLE: Multiscale Design Optimization of Hopper Cars Employing Functionally Graded Honeycomb Sandwich Composites

EXAMINATION BOARD:

Internal Examiner  Hamzeh Hajiloo, Civil & Environmental Engineering (Video Conference)

Member of Department  Fidel Khouli, Mechanical & Aerospace Engineering (Video Conference)

Member of Joint Institute  Hamza Abo El Ella, In Place of University of Ottawa - National Research Council (Video Conference)

Thesis Supervisor  Mostafa El Sayed, Mechanical & Aerospace Engineering (Video Conference)

Chair of Defence  Jie Liu, Mechanical & Aerospace Engineering (Video Conference)

Chair/Director of Department or Designate  Ronald Miller (Ex-officio)

Dean of Faculty  Larry Kostiuk (Ex-officio)

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

Ronald Miller, Chair/Director of Department or Designate
Department of Mechanical and Aerospace Engineering