

**CARLETON UNIVERSITY**

**Department of Mechanical and Aerospace Engineering**

**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Vaughn Gzenda*  
*Master of Applied Science, Carleton University, 2022*  
*Bachelor of Science (Honours), Univ of Alberta, 2018*

**DATE:** *Tuesday January 10, 2023, 10:00 Video Conference*

**THESIS TITLE:** *Geometric Modelling and Control of Slow-Fast Realization of Nonholonomic Mechanical Systems*

**EXAMINATION BOARD:**

<b>Member of Department</b>	Mojtaba Ahmadi, Mechanical & Aerospace Engineering	(Video Conference)
<b>Member of Joint Institute</b>	Davide Spinello, Mechanical Engineering - University of Ottawa	(Video Conference)
<b>Thesis Supervisor</b>	Robin Chhabra, Mechanical & Aerospace Engineering	(Video Conference)
<b>Chair of Defence</b>	Mohammad Kholghy, Mechanical & Aerospace Engineering	(Video Conference)
<b>Chair/Director of Department or Designate</b>	Ronald Miller	(Ex-officio)
<b>Dean of Faculty</b>	Larry Kostiuk	(Ex-officio)
<b>Dean, Faculty of Graduate and Postdoctoral Affairs</b>	Patrice Smith	(Ex-officio)

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