

**CARLETON UNIVERSITY**  
**Department of Mechanical and Aerospace Engineering**  
**PH.D. THESIS EXAMINATION**

**REVISED**

**CANDIDATE:**            *Alexander Tettenborn*  
                                 *Bachelor of Science, University of Western Ontario, 2013*  
                                 *Master of Applied Science, Univ of Waterloo, 2015*

**DATE:**                    *Thursday August 31, 2023, 9:00 Video Conference*

**THESIS TITLE:**        *Use Of AI Methods For Autonomous Geological Rock Classification Through Visual Texture Analysis*

**EXAMINATION BOARD:**

<b>External Examiner</b>	Raymond Francis, Jet Propulsion Laboratory - NASA	(Video Conference)
<b>Internal Examiner</b>	Robin Chhabra, Mechanical & Aerospace Engineering	(Video Conference)
<b>Member of Joint Institute</b>	Dan Neculescu, Mechanical Engineering - University of Ottawa	(Video Conference)
<b>Committee Member</b>	Richard Ernst, Earth Sciences	(Video Conference)
<b>Thesis Supervisor</b>	Alex Ellery, Mechanical & Aerospace Engineering	(Video Conference)
<b>Chair of Defence</b>	Omar Shafiq, School of Information Technology	(Video Conference)
<b>Chair/Director of Department or Designate</b>	Ron Miller	(Ex-officio)
<b>Dean of Faculty</b>	Larry Kostiuk	(Ex-officio)
<b>Dean, Faculty of Graduate and Postdoctoral Affairs</b>	Patrice Smith, Faculty of Graduate and Postdoctoral Affairs	(Ex-officio)