

**CARLETON UNIVERSITY**

**Department of Mechanical and Aerospace Engineering**

**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Aron Mohammadi*  
*B. of Mechanical Engineering, Carleton University, 2021*

**DATE:** *Wednesday January 10, 2024, 9:00 4124 Mackenzie Building*

**THESIS TITLE:** *Microstructural Characterization and Phase Prediction of High Entropy Alloys using Empirical and Machine Learning Based Methodologies*

**EXAMINATION BOARD:**

<b>External Examiner</b>	Sterling St. Lawrence, Canadian Nuclear Laboratories	(In Person)
<b>Member of Department</b>	Hashim Mohamed, Mechanical & Aerospace Engineering	(In Person)
<b>Thesis Supervisor</b>	Xiao Huang, Mechanical & Aerospace Engineering	(In Person)
<b>Thesis Co-Supervisor</b>	Richard Kearsey, National Research Council of Canada	(In Person)
<b>Chair of Defence</b>	Mehdi Eshaghi, Mechanical & Aerospace Engineering	(In Person)
<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	(Ex-officio)