

**CARLETON UNIVERSITY**  
**School of Mathematics and Statistics**  
**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Benjamin Burr*  
*Bac of Mathematics (Honours), Carleton University, 2017*  
*Bachelor of Arts (Honours), Queen's University, 2007*

**DATE:** *Tuesday January 12, 2021, 1000 Zoom*

**THESIS TITLE:** *"Intruder Alert: Dimension Reduction and Density-Based Clustering for a Cybersecurity Application."*

**EXAMINATION BOARD:**

<b>Internal Examiner</b>	Dave Campbell, School of Mathematics and Statistics, Carleton University	(Video Conference)
<b>Member of Joint Institute</b>	Aaron Smith, Department of Mathematics and Statistics, Ottawa University	(Video Conference)
<b>Thesis Supervisor</b>	Shirley Mills, School of Mathematics and Statistics, Carleton University	(Video Conference)
<b>Chair of Defence</b>	Song Cai, School of Mathematics and Statistics, Carleton University	(Video Conference)
<b>Chair/Director of Department or Designate</b>	Paul Mezo, ms-dir@math.carleton.ca	(Ex-officio)
<b>Dean, Faculty of Graduate and Postdoctoral Affairs</b>	Patrice Smith, Faculty of Graduate and Postdoctoral Affairs	(Ex-officio)

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**Paul Mezo, Chair/Director of Department or Designate**  
**School of Mathematics and Statistics**