

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

**CANDIDATE:**            *Xiang Zhang*  
                                 *Master of Science, Univ of Manchester, 2015*  
                                 *Bachelor of Science, Central South Univ, 2013*

**DATE:**                    *Tuesday August 30, 2022, 1330 Zoom*

**THESIS TITLE:**        *Modeling The Volatility Of Stock Indexes And Predicting Var Using Markov-Switching GARCH Models*

**EXAMINATION BOARD:**

<b>Member of Department</b>	Song Cai, School of Mathematics & Statistics, Carleton University	(Video Conference)
<b>Member of Joint Institute</b>	Raluca Balan, Department of Mathematics & Statistics, Ottawa University	(Video Conference)
<b>Thesis Supervisor</b>	Yiqiang Zhao, School of Mathematics & Statistics, Carleton University	(Video Conference)
<b>Chair of Defence</b>	Gennady Shaikhet, School of Mathematics & Statistics, Carleton University	(Video Conference)
<b>Chair/Director of Department or Designate</b>	Robert Burk, 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)

---

**Robert Burk, Chair/Director of Department or Designate**  
**School of Mathematics and Statistics**