

**Quaternionic Functional Calculus, Grothendieck Rings,  
and C\*-Algebras**

Ph.D. Candidate

**Elham Ghamari**

Graduate Academic Unit

**Mathematics and Statistics**

**Supervisor(s):** Dr. Dan Kucerovsky, Mathematics and Statistics

**Examining Board:** Dr. James Watmough, Mathematics and Statistics  
Dr. Bahram Rangipour, Mathematics and Statistics  
Dr. Brent Petersen, Electrical and Computer Engineering

**External Examiner:** Dr. Thomas Huettemann  
School of Mathematics and Physics  
Queens University Belfast

**The Oral Examination will be Chaired by:**  
Dr. Julian Meng, Acting Associate Dean of Graduate Studies

**LOCATION** Virtual via Microsoft Teams  
[Click here to join the meeting](#)

**DATE** November 17, 2023

**TIME** 1:00 p.m. to 4:00 p.m. (AST)

**UNB**