

**CARLETON UNIVERSITY**  
**School of Mathematics and Statistics**  
**PH.D. THESIS EXAMINATION**

**CANDIDATE:** *Hugo Teixeira*  
*Master of Mathematics, Fed Univ Of Minas Gerais, 2021*

**DATE:** *Thursday April 09, 2026, 10:00 McPhail HP 4351*

**THESIS TITLE:** *The Functional Graph Of A Twisted Quadratic Binomial Map And Some Applications*

**EXAMINATION BOARD:**

<b>External Examiner</b>	Arne Winterhof, Applied Discrete Mathematics and Cryptography, Austrian Academy of Sciences	(Video Conference)
<b>Internal Examiner</b>	Evangelos Kranakis, School of Computer Science, Carleton University	(In Person)
<b>Member of Joint Institute</b>	Mike Newman, Department of Mathematics and Statistics, Ottawa University	(In Person)
<b>Member of Department</b>	Brett Stevens, School of Mathematics and Statistics, Carleton University	(In Person)
<b>Thesis Supervisor</b>	Daniel Panario, School of Mathematics and Statistics, Carleton University	(In Person)
<b>Chair of Defence</b>	Shazia Sadaf, Institute of Interdisciplinary Studies, Carleton University	(In Person)
<b>Chair/Director of Department or Designate</b>	Colin Ingalls, School of Mathematics and Statistics, Carleton University	(Ex-officio)
<b>Dean of Faculty</b>	Maria DeRosa, Faculty of Science, Carleton University	(Ex-officio)

**Vice-Provost, Graduate  
Studies**

Nadeem Siddiqi, Graduate Studies

(Ex-officio)