

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

CANDIDATE: *Zachary Welch*
 Bac of Mathematics (Honours), Carleton University, 2017
 Master of Science, Carleton University, 2019

DATE: *Friday September 13, 2024, 10:00 4325 Hertzberg Laboratories*

THESIS TITLE: *A Collection of New Algorithms in Post-Quantum Cryptography*

EXAMINATION BOARD:

External Examiner	Karabina Koray, National Research Center	(In Person)
Internal Examiner	Michel Barbeau, School of Computer Science, Carleton University	(In Person)
Member of Joint Institute	Mike Newman, Department of Mathematics and Statistics, Ottawa University	(In Person)
Member of Department	Yuly Billig, School of Mathematics and Statistics, Carleton University	(In Person)
Thesis Supervisor	Colin Ingalls, School of Mathematics and Statistics, Carleton University	(In Person)
Thesis Co-Supervisor	Daniel Panario, School of Mathematics and Statistics, Carleton University	(In Person)
Chair of Defence	Mark MacLeod, Department of Cognitive Science, Carleton University	(In Person)
Chair/Director of Department or Designate	Yiqiang Zhao, School of Mathematics and Statistics, Carleton University	(Ex-officio)
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