

# **Atty Mashatan**

**Assistant Professor, Information Technology Management at Ted Rogers School of Management**  
Toronto, ON, CA

Expert in Information Systems Security and Privacy.

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## **Description**

Professor Atefeh (Atty) Mashatan joined the School of Information Technology Management of Ryerson University in 2016. Her research focus has been on Information Systems Security, Cryptography, and Combinatorics.

Prior to joining Ryerson University, Dr. Mashatan was a Senior Information Security Consultant and Solutions Architect at CIBC (Canadian Imperial Bank of Commerce), 2012-2016, with a focus on cryptography and enterprise architecture where she led numerous solution design, implementation, and validation of strategic projects - many of which were NDA initiatives. Working with business technology partners, she also led the evaluation of newly proposed and existing security systems and provided subject matter expertise to the threat and risk management and enterprise gating partners.

Prior to that Dr. Mashatan was a Scientific Collaborator at the Security and Cryptography Laboratory of School of Computer and Communication Sciences, EPFL (Swiss Federal Institute of Technology, Lausanne), 2009-2012, where she conducted research on design and analysis of cryptographic protocols, such as authentication and revocation, by means of mathematical tools. She also collaborated with Nokia Research Centre and her work resulted in a patent.

Dr. Mashatan obtained her PhD from the University of Waterloo, under the supervision of Professor Douglas Stinson, and her Certificate in University Teaching from the Centre for Teaching Excellence. She is a Certified Service Oriented Architect (SOA) with Honours. She obtained the Certified Information Systems Security Professional (CISSP) certification from International Information Systems Security Certification Consortium (ISC2) in 2015.

Dr. Mashatan has an external Erdős Number of 2! This is the best a researcher can achieve since 1996 when Paul Erdős passed away.

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## **Topics**

Security in Ad Hoc Pervasive Networks, Cryptographic Protocols, Information Technology Security and Management, Security of Internet of Things, Information Systems Security, Cybersecurity, Privacy Enhancing Technologies, Big Data and Data Security, Postquantum Cryptography

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## **Education**

**University of Waterloo**  
PhD Mathematics

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