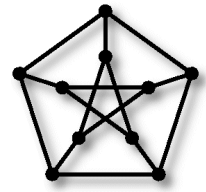




School of  
**Computer  
Science**



# Computationally Speaking

Seminar Series

**Title:** **Redefining Security Auditing in the Era of Clouds and IoT**

**Speaker:** Dr. Suryadipta Majumdar

**Where:** Reynolds Building, Room 1101

**When:** **Friday January 31, 2025 at 10AM**

**Abstract:** Security auditing has been a standard practice in the industry to ensure the accountability and transparency of a system. However, with the emerging technologies (e.g., cloud/edge computing, Internet of Things, Software-Defined Networks, and Network Functions Virtualization), the requirements and challenges of security auditing have been rapidly evolving mainly due to their design complexities, large-scale deployments, and dynamic nature. Therefore, typical retroactive, whitebox, and heavy-weight security auditing mechanisms become more and more ineffective. In this talk, therefore, I will discuss on redefining security auditing with new capabilities, such as proactive, blackbox, and light-weight approaches, that would fit more in cloud-native technologies. This talk will also discuss the existing challenges in this field of research.

**About the Speaker:** Suryadipta Majumdar is an Associate Professor and Concordia-MCN Research Chair at the Concordia Institute for Information Systems Engineering, Concordia University, Montreal, Canada. He is also a Gina Cody Research and Innovation Fellow and recipient of the Petro-Canada Young Innovator Award 2023. Previously, Suryadipta was an Assistant Professor at the Information Security and Digital Forensics department at the State University of New York, Albany, USA. During his PhD at Concordia, he was a National Sciences and Engineering Research Council Canada Graduate Scholar. His research focuses on cybersecurity, specifically, cloud computing security, IoT security, and SDN/NFV/5G security.

