Queen's School of Computing

Queen's University

Distinguished Speaker Seminar Series 2015

CREATE ULSS Distinguished Seminar

Dr. Rei Safavi-Naini
Professor
University of Calgary AB
Director of ISPIA

Thursday, March 5th, 2015
2:30-3:30 pm
Dupuis Hall 217

Keeping the cloud in check

With the rise of cloud computing many components and services of computer systems that were once under the control of users, have become invisible to them and under the control of cloud providers. This requires users to trust cloud providers in delivering the agreed services. Trusting cloud providers however is only meaningful if users have ways of independently "verifying" their claims and monitoring the terms of the service level agreements.

We motivate this problem and look at a range of enabling mechanisms that allow users to obtain assurance about the claimed properties.

Reihaneh (Rei) Safavi-Naini is the AITF Strategic Chair in Information Security, a Professor of Computer Science and the Director of Institute for Security, Privacy and Information Assurance (ISPIA) at the University of Calgary. Before joining University of Calgary in 2007, she was a Professor of Computer Science and the Director of Telecommunication and Information Technology Research Institute at the University of Wollongong in Australia.

Her research interest includes theoretical foundations of information security and privacy, and design and implementation of security systems with emphasis on new technologies and emerging security and privacy threats. She is the author/co-author of over 350 papers that have been published in peer-reviewed journals and conference proceedings. She has served on the Editorial Board of leading journals including IEEE Transactions on Information Theory, ACM Transactions on Information and System Security, and IEEE Transactions on Dependable and Secure Computing. She has been the program chair/co-chair of top tier cryptography and security conferences including Crypto, Asiacrypt and ASIACCS, and a program committee member of a large number of cryptography and security conferences. She holds a PhD in Electrical Engineering (coding theory) from University of Waterloo.

Everyone welcome *Light Refreshments*