



UNIVERSITY OF
TORONTO

Identity, Privacy & Security Institute

The IPSI Lecture Series Presents:



Managing Privacy Risks when Sharing Health Data

Professor Khaled El Emam
University of Ottawa

There are many benefits to making health data available for secondary purposes, such as academic research and drug development. One legal basis for doing so is to obtain patient consent, however, this has a number of practical challenges. The main alternative legal basis is to de-identify the data. This presentation will describe risk-based de-identification techniques that have been in use for more than a decade globally to de-identify health data. The basic principle is to balance the risk of identity disclosure with data utility that would facilitate beneficial uses of the data. Methodological as well as practical considerations will be discussed.

Tuesday, April 03, 2018

2:00 PM – 3:15 PM

University College, RM 140

15 King's College Cir, Toronto, ON M5S 3H7



Dr. Khaled El Emam is a Professor at the University of Ottawa, Faculty of Medicine and School of Electrical Engineering and Computer Science, and a Senior Investigator at the Children's Hospital of Eastern Ontario Research Institute. He also held the Canada Research Chair in Electronic Health Information at the University of Ottawa from 2005 to 2015. His main area of research is developing techniques for health data anonymization and secure disease surveillance for public health purposes.

Previously Khaled was a Senior Research Officer at the National Research Council of Canada, and prior to that he was head of the Quantitative Methods Group at the Fraunhofer Institute in Kaiserslautern, Germany. He has co-founded two companies to commercialize the results of his research work. In 2003 and 2004, he was ranked as the top systems and software engineering scholar worldwide by the Journal of Systems and Software based on his research on measurement and quality evaluation and improvement, and ranked second in 2002 and 2005. He holds a Ph.D. from the Department of Electrical and Electronics, King's College, at the University of London (UK).