



UNIVERSITY OF
TORONTO
Identity, Privacy & Security Institute

SEMINAR ANNOUNCEMENT

Monday October 20, 2014

12:00 noon

Room MC252 (5 King's College Road)

Professor Nasir Memon

NYU Polytechnic School of Engineering

“Authentication on Emerging Interfaces. Exploring alternatives to text based passwords”

Emerging user interfaces such as multi-touch on mobile devices and cameras on gaming consoles are changing the manner in which we interact with computing devices. However user authentication mechanisms implemented on them still mostly use text passwords. The well known problems related to users selecting weak textual passwords get further exacerbated by the use of a virtual keyboard. This talk will describe recent alternative approaches that have been developed and the technical and usability challenges faced by them.

Nasir Memon is a professor in the Department of Computer Science and Engineering and director of the Information Systems and Internet Security laboratory at NYU Polytechnic School of Engineering. He is one of the founding members of the Center for Interdisciplinary Studies in Security and Privacy (CRISSP), a collaborative initiative of multiple schools within NYU including NYU-Steinhardt, NYU-Wagner, NYU-Stern and NYU-Courant. His research interests include digital forensics, data compression, and multimedia computing and security. Memon earned a Bachelor of Engineering in Chemical Engineering and a Master of Science in Mathematics from Birla Institute of Technology and Science (BITS) in Pilani, India in 1981. He received a Master of Science in Computer Science and a PhD in Computer Science from the University of Nebraska. Prof. Memon has published over 250 articles in journals and conference proceedings and holds a dozen patents in image compression and security. He has won several awards including best paper awards and the Jacobs Excellence in Education Award from NYU-Poly. He has been on the editorial boards of several journals and was the Editor-In-Chief of Transactions on Information Security and Forensics. He is an IEEE Fellow and a distinguished lecturer of the IEEE Signal Processing Society. Memon is the co-founder of Digital Assembly an early-stage start-up in NYU-Poly's business incubators.