Cyber Security Seminar Series presents:

Privacy in the Age of Pervasive Cameras: When Electronic Privacy gets Physical

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Friday, March 27, 2015 | 2:00 pm
Information Sciences Building, Room 404
coffee reception at 1:30 pm

Cameras are now commonplace in our social and computing landscapes and embedded into consumer devices like smartphones and tablets. A new generation of wearable devices (such as Google Glass) will soon make "first-person" cameras nearly ubiquitous, capturing vast amounts of imagery without deliberate human action. "Lifelogging" devices and applications will record and share images from people's daily lives with their social networks. These devices that automatically capture images in the background raise new privacy concerns, and suitable techniques are needed to identify and prevent the sharing of sensitive images. I will discuss our research exploring privacy harms of pervasive cameras, understanding people's privacy perceptions and behaviors in the context of lifelogging, and two mechanisms for detecting sensitive images.

Apu Kapadia is an Assistant Professor of Computer Science and Informatics at the School of Informatics and Computing, Indiana University Bloomington. He received his PhD in Computer Science from the University of Illinois at Urbana-Champaign (UIUC) in October 2005. Following his doctorate, he joined Dartmouth College as a Post-Doctoral Research Fellow with the Institute for Security Technology Studies (ISTS), and then as a Member of Technical Staff at MIT Lincoln Laboratory.

Apu Kapadia is interested in topics related to systems' security and privacy. He is particularly interested in accountable anonymity; pervasive, mobile, and wearable computing; crowdsourcing; and peer-to-peer networks. For his work on accountable anonymity, two of his papers were named as Runners-up for PET Award 2009: Outstanding Research in Privacy Enhancing Technologies. His work on usable privacy controls was given the Honorable Mention Award (Runner-up for Best Paper) at the Conference on Pervasive Computing in 2007. Apu Kapadia has received five NSF grants, including the NSF CAREER award in 2013 and a Google Research Award in 2014.