



The Digital Assault on Privacy

George Orwell and Aldous Huxley are frequently mentioned in the context of the recent spate of surveillance leaks from the NSA. While both Orwell and Huxley feared big government and big controls, they feared it for different reasons. This difference will set the tone for this talk.

We will begin with the history of the U.S. involvement in surveillance, from the early analog days to the latest digital technologies. We'll explain the motivations, technologies and civil libertarian consequences of some noteworthy surveillance programs like Echelon, Carnivore, Narusinsight, Magic Lantern, ThinThread, Trailblazer, Stellar Wind/Ragtime, and TAO (Tailored Access Operations) to name but a few. The speaker will also cover corporate surveillance by high tech companies and cyber intelligence mercenaries. The speaker will conclude with speculation on future directions for government and private surveillance programs the privacy implications that will arise therefrom.

Hal Berghel is currently Professor of Computer Science at the University of Nevada, Las Vegas where he has previously served as Director of both the Schools of Computer Science and Informatics, and as Associate Dean of the College of Engineering. He created and directed the first CyberSecurity degree programs (Bachelors, Masters and PhD) in Nevada in 2005. This program became an NSA Center for Academic Excellence two years later. He was the founding Director of the Identity Theft and Financial Fraud Research and Operations Center and CyberSecurity Research Center. For nearly fifteen years he wrote the popular Digital Village column for the Communications of the ACM, and has written the Out-of-Band column for IEEE Computer since 2011. Berghel is a Fellow of both the Institute for Electrical and Electronics Engineers and the Association for Computing Machinery, and serves both societies as a Distinguished Visitor and Distinguished Lecturer, respectively. He is also the founder and owner of Berghel.Net, a consultancy serving government, business and industry. More links at <http://www.berghel.net>.

Date: Thursday, April 2, 2015, 8:00 pm.
(Refreshments and networking at 7:30 pm.)
Place: Friend Center Auditorium, Room 101
Friend Center, Princeton University
Information: Dennis Mancl (908) 582-7086
On-line info: <http://PrincetonACM.acm.org>

All Princeton ACM / IEEE-CS meetings are open to the public. Students and their parents are welcome. There is no admission charge, and refreshments are served.

A pre-meeting dinner is held at 6:00 p.m. at Ruby Tuesday's Restaurant on Route 1. Please send email to princetonacm@acm.org in advance if you plan to attend the dinner.

