



**THE CHINESE UNIVERSITY OF HONG KONG**  
Department of Information Engineering

*Seminar*

**A Personal Reflection on the Past, Present,  
and Future of Internet Threats**

by

**Professor Michael Bailey**  
Associate Research Professor  
University of Michigan

**Date : March 22, 2013 (Friday)**  
**Time : 11:00am - 12:00noon**  
**Venue : Room 833, Ho Sin Hang Engineering Building**  
**The Chinese University of Hong Kong**

Abstract

Over the last 10 years, the Internet has become increasingly intertwined in the economic, political, and social fabric of our societies. Despite its immense social importance, the Internet has proven remarkably susceptible to disruption, corruption, and manipulation, through such diverse threats as worms, botnets, phishing, distributed denial of service attacks, and spam. In this talk I reflect on the evolution of Internet threats from the perspective of my work and the work of our network and security group at the University of Michigan (<http://nsrg.eecs.umich.edu>). As a detailed example, I will briefly highlight our work in analyzing malware and our efforts to use this intelligence and other sources of information to detect and mitigate Internet threats.

Biography

Michael Bailey is an Associate Research Professor at the University of Michigan where he studies the performance, availability, and security of complex distributed systems. Before coming to the University of Michigan, Michael was Director of Engineering at Arbor Networks and a programmer at Amoco Corporation (now BP). Michael has a BS in CS from the University of Illinois at Urbana Champaign, an MS in CS from DePaul University, and a Ph.D. in CS from the University of Michigan. Michael is a senior member of both IEEE and ACM.

**\*\* ALL ARE WELCOME \*\***