Abstract:
Mobile devices---smartphones and tablets---are being adopted by many people. A recent Nielsen survey showed that 44 percent of all U.S. mobile subscribers now have smartphones, and the majority of 25-34 and 18-24 year olds now own smartphones. For tablet computers according to a recent Gartner report, worldwide sales in 2015 are forecast to reach 326.3 million units. With such a pervasive use of mobile devices, protecting these devices is of critical importance.

Although most mobile systems are designed with security in mind, their security features are insufficient, and sometimes inappropriate. In this talk, I will present some of the research problems in the area of mobile system security, and give an overview of the research projects that my students and I have been working on. Our work focuses on the open-source Android system, and our goal is to develop better access control systems for the Android operating system.

Biography:
Wenliang (Kevin) Du received his B.S. degree from the University of Science and Technology of China in 1993, M.S. degree from the Florida International University in 1996, and, Ph.D. degree from Purdue University in 2001, respectively. Dr. Du is currently a professor in the Department of Electrical Engineering and Computer Science at Syracuse University. His research area is in computer and network security. His current research interests include web security and mobile system security. He is also interested in developing instructional laboratories for security education, and the labs he developed have been used by over a hundred universities worldwide. His research has been sponsored by grants from the National Science Foundation, Army Research Office, JP Morgan Chase, and Google.