Join us for a 5-day tutorial and refereed technical program for security professionals, system and network administrators, and researchers.

2 Days of In-Depth Tutorials Taught by Industry Experts, Including:
- Frank Adelstein & Golden G. Richard III on Learning Reverse Engineering: A Highly Immersive Approach (2-Day Class)
- Patrick McDaniel & William Enck on Building Secure Android Applications
- Phil Cox on Securing Citrix XenServer and VMware ESX Server

Keynote Address
Rich Cannings and David Bort of the Google Android Project on “Android: Securing a Mobile Platform from the Ground Up”

Technical Program
26 refereed papers presenting new research in a variety of subject areas, including malware detection and protection, securing Web apps, and applied cryptography

Invited Talks by Experts, Including:
- Alexander Sotirov on “Modern Exploitation and Memory Protection Bypasses”
- Vern Paxson on “How the Pursuit of Truth Led Me to Selling Viagra”

Co-Located Workshops:
- EVT/WOTE ’09
  2009 Electronic Voting Technology Workshop/Workshop on Trustworthy Elections
  August 10–11, 2009
- CSET ’09
  2nd Workshop on Cyber Security Experimentation and Test
  August 10, 2009
- WOOT ’09
  3rd USENIX Workshop on Offensive Technologies
  August 10, 2009
- HotSec ’09
  4th USENIX Workshop on Hot Topics in Security
  August 11, 2009
- MetriCon 4.0
  Fourth Workshop on Security Metrics
  August 11, 2009

Register by July 20, 2009, and save! www.usenix.org/sec09
Training Program

Monday, August 10, 2009

M1  Learning Reverse Engineering: A Highly Immersive Approach, Day 1  NEW!
Frank Adelstein, ATC-NY; Golden G. Richard III, University of New Orleans

Take back to work: A solid foundation on which to build additional skills in reverse engineering.

M2  Building Secure Android Applications  NEW!
Patrick McDaniel and William Enck, Pennsylvania State University

Take back to work: How to start developing your own Android applications, with an acute understanding of potential dangers.

Tuesday, August 11, 2009

T1  Learning Reverse Engineering: A Highly Immersive Approach, Day 2  NEW!
Frank Adelstein, ATC-NY; Golden G. Richard III, University of New Orleans

Take back to work: A solid foundation on which to build additional skills in reverse engineering.

T2  Securing Citrix XenServer and VMware ESX Server  NEW!
Phil Cox, SystemExperts Corporation

Take back to work: A familiarity with current virtualization and popular technical implementations of it, as well as a working understanding of how to secure VMware ESXi 3.5 server and a detailed understanding of securing Citrix XenServer.

Technical Program

Wednesday–Friday, August 12–14, 2009

Wednesday, August 12, 2009

9:00 a.m.–10:30 a.m.
Keynote Address: Android: Securing a Mobile Platform from the Ground Up
Rich Cannings, Android Security Leader, Google, and David Bort, Software Engineer, Android Open Source Project, Google

11:00 a.m.–12:30 p.m.
Refereed Papers: Attacks on Privacy
Invited Talk: The Building Security in Maturity Model (BSIMM)
Gary McGraw, CTO, Cigital, Inc., and Brian Chess, Chief Scientist, Fortify Software

2:00 p.m.–3:30 p.m.
Refereed Papers: Memory Safety
Invited Talk: Toward a New Legal Framework for Cybersecurity
Deirdre K. Mulligan, School of Information, University of California, Berkeley

4:00 p.m.–5:30 p.m.
Refereed Papers: Network Security
Invited Talk: Modern Exploitation and Memory Protection Bypasses
Alexander Sotirov, Independent Security Researcher

6:00 p.m.–7:30 p.m.  Symposium Reception

Thursday, August 13, 2009 (continued)

2:00 p.m.–3:30 p.m.
Refereed Papers: Securing Web Apps
Invited Talk: Compression, Correction, Confidentiality, and Comprehension: A Modern Look at Commercial Telegraph Codes
Steven M. Bellovin, Professor of Computer Science, Columbia University

4:00 p.m.–5:30 p.m.
Refereed Papers: Applied Crypto
Invited Talk: Top Ten Web Hacking Techniques of 2008: “What’s possible, not probable”
Jeremiah Grossman, Founder and CTO, WhiteHat Security

6:00 p.m.–7:30 p.m.
Poster Session

Thursday, August 13, 2009

9:00 a.m.–10:30 a.m.
Refereed Papers: JavaScript Security
Invited Talk: How the Pursuit of Truth Led Me to Selling Viagra
Vern Paxson, EECS, University of California, Berkeley, and Senior Scientist, International Computer Science Institute

11:00 a.m.–12:30 p.m.
Refereed Papers: Radio
Invited Talk: TBA
Please see www.usenix.org/security09/tech for updates.

Friday, August 14, 2009

9:00 a.m.–10:30 a.m.
Refereed Papers: Malware Detection and Protection
Invited Talk: Hash Functions and Their Many Uses in Cryptography
Shai Halevi, IBM Research

11:00 a.m.–12:30 p.m.
Refereed Papers: Browser Security
Invited Talk: DNS Security: Lessons Learned and The Road Ahead
David Dagon, Georgia Institute of Technology

2:00 p.m.–3:30 p.m.
Work-in-Progress Reports (WiPs)

For complete program information and to register, see www.usenix.org/sec09