ISACA
Trust in, and value from, information systems
San Francisco Chapter

2014 SF ISACA Fall Conference
Speaker Information

Hackers Are Among Us: Start Thinking Like a Bad Guy

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College of Engineering and Information Sciences

Core Competencies – C31

Session Abstract

Individuals with malicious intent have been exploiting vulnerabilities as long as computer network have existed. A new class of cyber threats emerged as the largest element of risk to companies' assets. This class of threat which is called "Advanced Persistent Threat" (APT) represents well-resourced and trained individuals that conduct intrusion campaigns targeting highly sensitive economic, proprietary or national security information. These adversaries accomplish their goals using sophisticated techniques designed to defeat most conventional computer network defense mechanisms.

In his presentation, the speaker will use threat-focused approach and explain intrusions from the adversaries' perspective. The speaker will describe the structure of intrusion, and corresponding model guides analysis to inform actionable security intelligence. He will review how each phase of intrusion is mapped to courses of action for detection, mitigation and response. Finally he will explain how the defender can achieve an advantage over the APT adversaries.

Target Audience

Skill Level – Beginner, Intermediate, Advanced
Occupational Experience – IT Auditors, Risk, Governance, Compliance, Forensic, Security and Incident Response Professionals.

Speaker Bio

Ed has over 18 years of professional experience in IT security, compliance, governance, and risk management in industries such as high tech, retail, and higher educations. He has had many roles and responsibilities including but not limited to IT Director, IT Security Architect, Information Security Analyst, Network and Systems Engineer. Over the years, Ed has served as subject matter experts on security engineering and development efforts to promote best practices and to provide efficient solutions in support of business strategy. He has helped companies to develop and automate processes and his security approach was a main driver that enabled organizations to sustain compliance while optimizing security posture and reducing cost. Ed has a Master's degree in E-Business and a Bachelor's degree in IT.

Ed holds the following certifications: Microsoft Certified Systems Engineer (MCSE), Certified Novell Engineer (CNE), Certified Information Systems Auditor (CISA), Certified Ethical Hacker (CEH) and Certified Technical Guideline Auditor (CTGA).

Ed is currently working as an adjunct professor at Keller Graduate School of Management teaching courses (see below) that are related to Information Security and Networking disciplines.

- Principles of Information Security and Privacy
- Networking Concepts and Applications
- Business Data Communications and Networking
- Designing Network Security
- E-business Security
- Risk Mitigation and Contingency Planning
- Cryptography and Security Mechanisms
- Business Continuity and Disaster Recovery Planning
- Information Systems Security Planning and Audit
- Wireless technologies and Services
- Windows and Unix Network Operating Systems

Speaker Details (optional):

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