You Are The TARGET

This is the Digital Age. Information is more readily accessible than ever. Businesses are increasingly - if not totally – dependent on digital communications, and even at home we are all wired up to the great big Internet.

But our passion for technology has a price: increased exposure to security threats. According to the latest FBI statistics, computer hackings are on the increase, new vulnerabilities in computer software continue unabated, and hacking methodologies deployed in latest intrusive attacks are more insidious than ever.

Companies and the individual Internet user need to understand the risks associated with being a part of the digital network or doing business electronically. Whether you are wired up to a computer network or logon into the Internet, you are undoubtedly, a potential target for hackers.

To help us in our race to understand these real threats and to know our enemy, two renowned security experts are brought in to bring us up-to-date on the critical issues and the real threats surrounding us in this Wired World.

Be prepared to be afraid…

Organized by:

Department of Mathematics
and
the Centre for Information Technology and Applications (Science)
NUS

Lecture Theatre 32
National University of Singapore
Friday, 23rd February 2001
1.50pm to 4.30pm

AGENDA:

Time	Item
1.30pm – 1.50pm	Registration
1.50pm – 2.00pm	Welcome Address by Prof. Feng, Head of CITA
2.00pm – 2.50pm	"IT Security 2001: Trends and Worries" Keynote Presentation by Yu Chien Siang, MHA
2.50pm – 3.15pm	Break
3.15pm – 4.00pm	"Hacking Exposed: The Hacking Tools of Script Kiddies" Keynote Presentation by Paul A. Henry, CyberGuard Corporation
4.00pm – 4.15pm	**Hacking Demonstration**
4.15pm – 4.30pm	Panel Discussion, Q & A Session

"IT Security 2001, Trends and Worries"

By
Yu Chien Siang
Computer Security Consultant
MINISTRY OF HOME AFFAIRS

Abstract

This was the keynote speech specially created by Yu Chien Siang for the Singapore Civil Service's IT Security Day programme.

This white paper presentation is a culmination of over 20 years of Mr. Yu's experience in the IT security and his personal involvement on numerous IT projects at the national level. In his presentation, Mr. Yu reviews on the various IT trends being adopted; and provides an in-depth perspective of the resultant operational and managerial issues. If left unchecked, these real issues shall escalate into a critical mass, leading into a spate of IT disasters in the forthcoming years.

This will be the year of challenging IT security crisis and Mr. Yu will run through these issues in an entertaining and thought-provoking manner.

About Yu Chien Siang

Yu Chien Siang is the man at the helm of our nation's informational security, for he holds the distinction for being the leading Computer Security Consultant in the Ministry of Home Affairs.

Yu Chien Siang graduated from a German university as a Data Systems Engineer and also received training from the Siemens Research Laboratory and the IBM R&D Laboratory in Boblingen, Germany. He has been active in the IT management and IT Security industry for over 20 years. During this time, he led numerous IT projects in the IT security aspects at the national level and had been instrumental in evolving their architecture and the basic mechanisms required. Mr. Yu also invented unique smart card readers, cryptography systems and more efficient protocols.

He was an ex-President of the Singapore Microcomputer Society, a prolific writer for local IT magazines and a hobbyist programmer that had created more than 60,000 lines of code. One of his proudest achievements was leading a team that won the First Prize for Physics for the Science Fair in 1974.

"Hacking Exposed –The Hacking Tools of Script Kiddies"

By
Paul A. Henry
MCP+I, MCSE, CCSA, CISSP
Managing Director of Asian Operations
CYBERGUARD CORPORATION

Abstract
Paul Henry brings to you, the tools and methodologies of the most common 'Black-Hat' threat on the Internet, the 'Script Kiddie'.

In his presentation, Paul exposes the hacking world of the 'Script Kiddie', so aptly named after IT-savvy teenagers or kids who downloads subversive hacking tools and uses these tools to hack the Internet. You will discover how easy it is to be a hacker 'wannabe' and possibly do some real serious damage to others connected on the Internet.

Paul Henry will also unravel the truth and provide an insight to last year's infamous Distributed Denial-of-Service (DDOS) attacks against eBay, Yahoo, Amazon and the recent intrusive attacks on Microsoft's networks. In addition, with Paul's commentaries and interspersed with hacking demonstrations, you will discover how easy it is to compromise workstations or servers, especially with Windows 9x OS and Windows NT, which includes the following:

- Uncovering hidden or encrypted passwords on a Windows 98 workstation
- Network Scanning Tools that assist hackers to "discover" networks
- Port Scanning Tools to "poke and test" the security loopholes of protected networks
- Software tools that can map out finer details of servers and Internet user information
- Shutting down servers or workstations with DDOS or any other forms of attacks
- Simple methods of Trojans/Agents deployment into workstations and servers
- Gain remote control of workstations/servers with subversive Trojans/Agents

Thus, by understanding how these hackers attack and what they are looking for, you will be more security conscious and be better prepared and equipped to protect your systems and networks.

About Paul A. Henry
Paul brings with him more than 20 years experience in security and safety controls in high-risk environments such as nuclear power plants and industrial boiler sites. He is currently the Managing Director of Asian Operations, CyberGuard Corporation, Florida, USA.

Over the years, Paul has worked and developed security projects for National Banking System in Saudi Arabia, Department of Defense's Satellite Data Project, USA, and NTT Data in Japan. He has also being engaged several times to speak at network security engagements and presented his white papers on Firewall Architectures, Intrusion Methodology, Enterprise Security and Managed Security Services. An accomplished author, Paul has wrote many technical papers on Port Scanning Basics, Buffer Over-Runs, Firewall Architectures and Burner Management and Process Controls for nuclear power plants.

Paul A. Henry is a fully certified IT professional with a string of certifications and professional qualifications such as CISSP, MCP+I, MCSE, CCSA to boot; plus delving into 'hacking activities' as part of his role as a *"White-Hat Hacker"* security consultant. In his leisure, Paul blows up his home servers occasionally with the latest attack tools, studies software exploits and vulnerabilities, builds his arsenal of Linux/Windows NT hacking tools and with a T1 line access at home, maintains his personal website at www.securedsystems.com.