



Industry Talk on Information Network Security
(Taklimat mengenai Keselamatan Maklumat dan Rangkaian)

30 September 2005

TALK ABSTRACT

“Cyber Warfare” by Zubair Khan

High-tech information warfare is fast becoming a reality. The term information warfare covers a wide range of activity, including corporate and military espionage and intelligence collection, psychological operations and perception management, attacks on communication systems, consumer fraud, and information piracy. In addition, the concept covers specifically computer-related issues: viruses, Trojan horses, and deliberate and targeted hacking efforts such as computer break-ins and denial-of-service attacks (where hackers flood an Internet server with traffic to overload and disable it). Cyber warfare is politically motivated computer hacking that inflicts severe societal harm, and may also affect nation's economy and defense. Cyber Warfare is so rapid that it may not give an opponent enough time to “surrender” before permanent and devastating damage is done. It has recently become of increasing importance to the military, the intelligence community, and the business world. Military planners are now imagining soldiers at computer terminals silently invading foreign networks to shut down radars disable electrical facilities and disrupt phone services.

- # Introducing Cyber warfare
- # Globalization of Cyber Warfare
- # Outsourcing Warfare
- # Cyber Targets
- # Psychology of Modern Warfare
- # Cyber Weapons
- # Retaliation and Defense Tools

- # Cyber battleground of Palestine and Israel
 - Political and social effects caused by hacking incidents (Real Examples)
 - Targets
 - Searching More Targets
 - Famous Hacker Groups
 - Volunteer Hackers
 - Formation of Groups and their strategies
 - Globalizing the war
 - Tactics

Cyber battleground of Iran and USA

- Political and social effects caused by hacking incidents (Real Examples)
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Cyber battleground of China and USA

- Political and social effects caused by hacking incidents (Real Examples)
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Cyber battleground of India and Pakistan

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Capabilities of Al Qaeda

Al Qaeda's Interest In Cyber Warfare

Al Qaeda's Cryptography as Communication

Cyber attacks during war of Terrorism

Cyber attack on Al Qaeda by US

Cyber Defense Strategies

How hacking affect military operations?

Influencing Foreign Policy

How cyber attacks can spark a Real War?

Cyber Propaganda and Terrorism

ECHELON

Revolution in Military affairs and C4I

International Law

Future of Cyber Warfare

“Industrial Espionage” by Fabio Ghioni and Roberto Preatoni

An impressionistic overview of what makes the difference today and in the future (in the digital playground) in the balance of power between economic and military powers. The presentation will also cover a description of the business behind espionage worldwide as well as the asymmetric organizations that are the real master of puppets.

- How does digital espionage asymmetric networks work
- Secret services and network mercenaries
- Prevention and monitoring Vs data retention and “special laws” in today’s terrorism and data theft situations.
- Approaches towards government cyber security and anti-fraud

“Wi-Fi and War Driving” by Jim Geovedi and Anthony Zboralski

It’s cool to live in a wireless world. Wireless is the latest thing. It’s the excitement of the year. It’s the expectation for the decade. Bandwidth for the masses is the hopeful war cry of the tech evangelist. The elusive last mile solution.

Hotels, airports, coffee shops, pubs, and many places provide Wi-Fi hotspots for yuppies, executives campaign for mobile workplaces, PDAs and smart phones are the latest determiner for the hip.

This presentation will cover the basic approach behind Wi-Fi hotspot security design and architecture. During the presentation, vulnerabilities and methods for exploiting Wi-Fi hotspot will be showed.