

Introduction to cyber-warfare

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Résumé ou extrait : La 4e de couv. indique : "Cyber Warfare has become a global problem threatening governments, corporations and individuals. This new domain of warfare is not only inhabited by governments such as China, Russia, Iran, and the United States, but a variety of other actors including insurgent groups like Hezbollah and Hamas as well as hacking groups such as Anonymous, LulzSec, and others. According to a recent analysis the global market for Cyber Warfare consulting, product development and protective services will reach a value of \$15.9 billion in 2012. This in-depth text on cyber warfare, written by experts on the front lines, explores the cutting edge world of cyber-warfare including the following: Provides a multi-disciplinary approach to Cyber Warfare analyzing the information technology, military, policy, social, and scientific issues that are in play, Presents detailed case studies of cyber-attack including inter-state cyber-conflict (Russia-Estonia), cyber-attack as an element of an information operations strategy (Israel-Hezbollah,) cyber-attack as a tool against dissidents within a state (Russia, Iran); cyber-attack conducted by large, powerful, non-state hacking organizations such as Anonymous and LulzSec, and attacks directed against infrastructure such including water treatment plants, the power-grid and a detailed account on the Stuxent worm, Explores acts of cyber-warfare against industry including those against Aramco, Google, and others as well as the state-of-the-art in intelligence-gathering malware platforms including Duqu, Flame, and Gauss as well as how social media such as Facebook and LinkedIn are also leveraged for this purpose."

Sujet - Nom commun : Guerre de l'information -- Études de cas

Cyberterrorisme

Cyberespace -- Mesures de sûreté

Criminalité informatique

Protection de l'information (informatique)

Cyber-espionnage