

Self-Study Task

(The Economics of Military Robotics)

1. Describe historical development of cyberspace research and try to explain why and when does cyberspace become 5th domain for armed forces activities. Define the meaning of Cyberspace, cyber conflict and cyber-attack.
2. What basic economic principles can we use for research of cyberspace and cyber conflict?
3. Explain the basic approaches to economic analysis of cyberspace as new security threats. Which research levels can we demarcate and describe?
4. Try to find case studies and examples of real cyber-attacks. Try to accomplish its economic analysis.

Study Resources

1. GORDON, Lawrence A., LOEB Martin P. The Economics of Information Security Investment, 2002
2. BAUER, Johannes M., Van EETEN, Michel J. G. Cybersecurity: Stakeholder incentives, externalities, and policy options, 2009.
3. CORDES, Joseph J. An Overview of the Economics of Cybersecurity and Cybersecurity Policy, 2011.
4. DEPARTMENT OF FINANCE AND SERVICES. A Guide for Government Agencies Calculating Return on Security Investment, 2012.
5. CHIRCA, Alexandra. An Empirical Study Regarding the Cost-Benefit Analysis of Open Source Software for Information Security, 2010.

Additional Study Resources

1. VAN TUYLL, Hubert., BRAUER, Jurgen. Colonizing Military History: A Millennial View on the Economics of War. Accessible on:
http://www.stonegardeneconomics.com/pubs/2003_vanTuyll_Brauer_DPE_v14n3.pdf
2. FRIEDMAN, Allan. Economic and Policy Frameworks for Cybersecurity Risks. Accessible on:
http://www.brookings.edu/~media/research/files/papers/2011/7/21%20cybersecurity%20friedman/0721_cybersecurity_friedman.pdf.