Hacking the Hackers: Strategic Analysis in Cyber Defense

Kenneth Geers

Senior Research Scientist, Comodo NATO Cyber Centre, Atlantic Council, Digital Society Institute-Berlin, TSN University of Kyiv



National security Network security Cyber security

USS Cole





US Army FM 3-38

"project power" "physical damage" "assure access" "decision making" "land objectives" "cyber persona" "law of war"

Israel: cyber

"relentless""at all fronts""enemy projects""public opinion""war and peace"



Russia

rs, int, ee, ge, lt, kg, ua Domestic opponents U.S. election '16 NSA



"clear challenge"

"harmful as conventional" "core task"

"domain of operations"

Strategic Analysis

Position Perspective Patterns Plans Ploys

Advanced Persistent Bureaucracy

WAR IS PEACE

FREEDOM IS SLAVERY

Personnel Training Mission Benefits Teamwork Horizon

Crowdsourcing

www = best defense Distributed analysis Curiosity Puzzle solving Teamwork





Belarus USA Germany Hungary Finland ?

200



Collaboration

Colleagues Comrades Friends

Informācijas tehnoloģiju drošības incidentu novēršanas institūcija



Canada Greenland GIUK Poland Romania Undersea Space



Hacking the Hackers: Strategic Analysis in Cyber Defense

Kenneth Geers

Senior Research Scientist, Comodo NATO Cyber Centre, Atlantic Council, Digital Society Institute-Berlin, TSN University of Kyiv