Developments and Challenges in Cybersecurity from the Nation-State Perspective

Marina Kaljurand

e-State
Redefining governance,
simplifying life and business

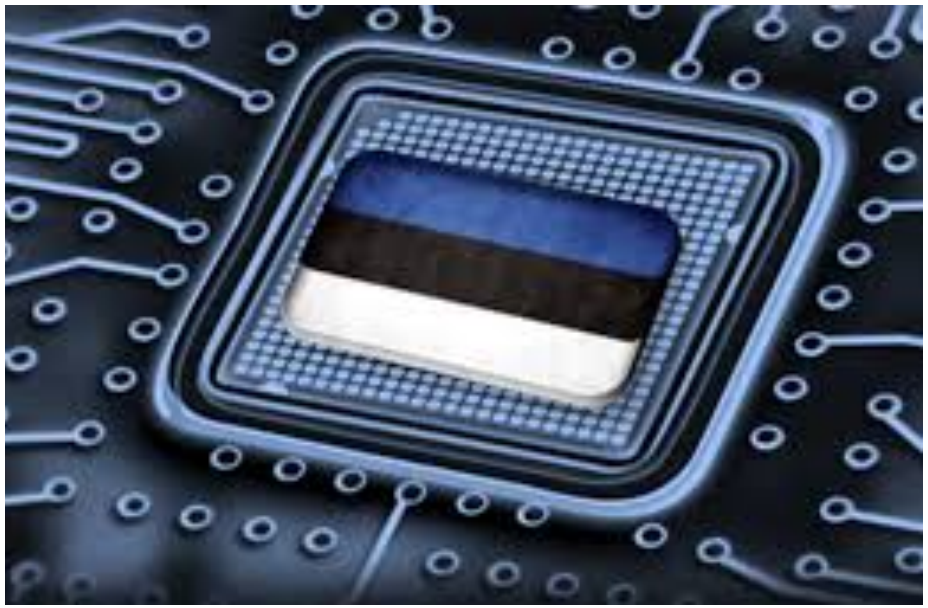
e-Estonia

Lessons learned from 2007

- High on political agenda
- Laws and regulations in place
- All-nation approach, PPP
- International cooperation

GREETINGS FROM CYBE
COLLECTIVE RESPON
Di
GOVERNMENT
BUSINESS
CIVIL SOCIETY
ACADEMIA
END-USER
National Strategy
SSL security certificates for webistes
National CERT
Strong password
Encryption
Don't open unknown attachments
DNSSec for domain names
Laws
Privacy level
Invest in capacity building
smart use
Responsible

E-residency & E-embassy



GRU HACKING TO UNDERMINE ANTI-DOPING EFFORTS

Dmitriy Sergeyevich Badin

Artem Andreyevich Malyshev

Alexey Valerievich Minin

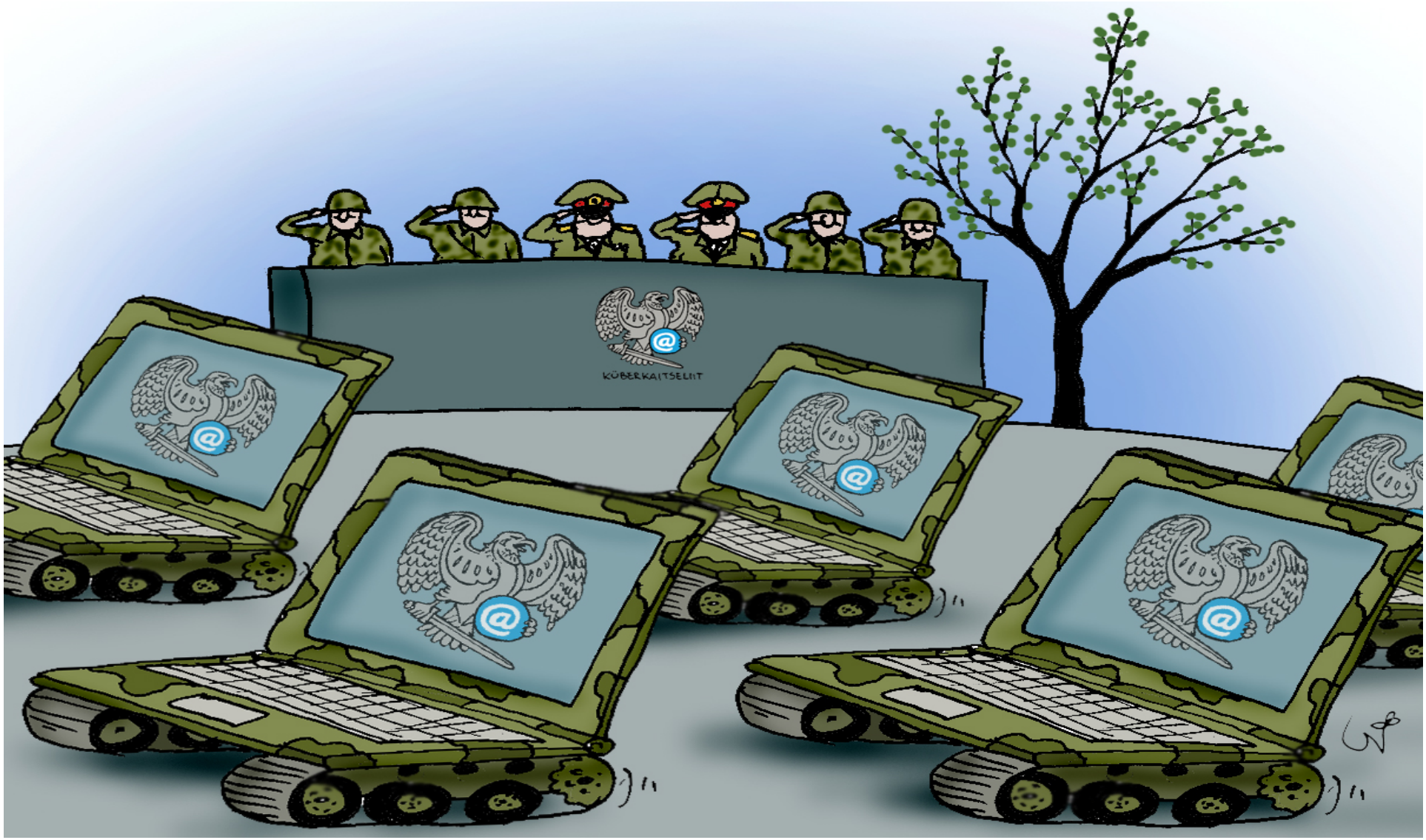
Aleksei Sergeyevich Morenets

Evgeniy Mikhaylovich Serebriakov

Oleg Mikhaylovich Sotnikov

Ivan Sergeyevich Yermakov

DETAILS


KÜBERKAITSELIIT

KÜBERKAITSELIIT

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ESTONIAN CYBER DEFENCE LEAGUE

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Microsoft & Siemens Initiatives

Charter of Trust

For a secure digital world

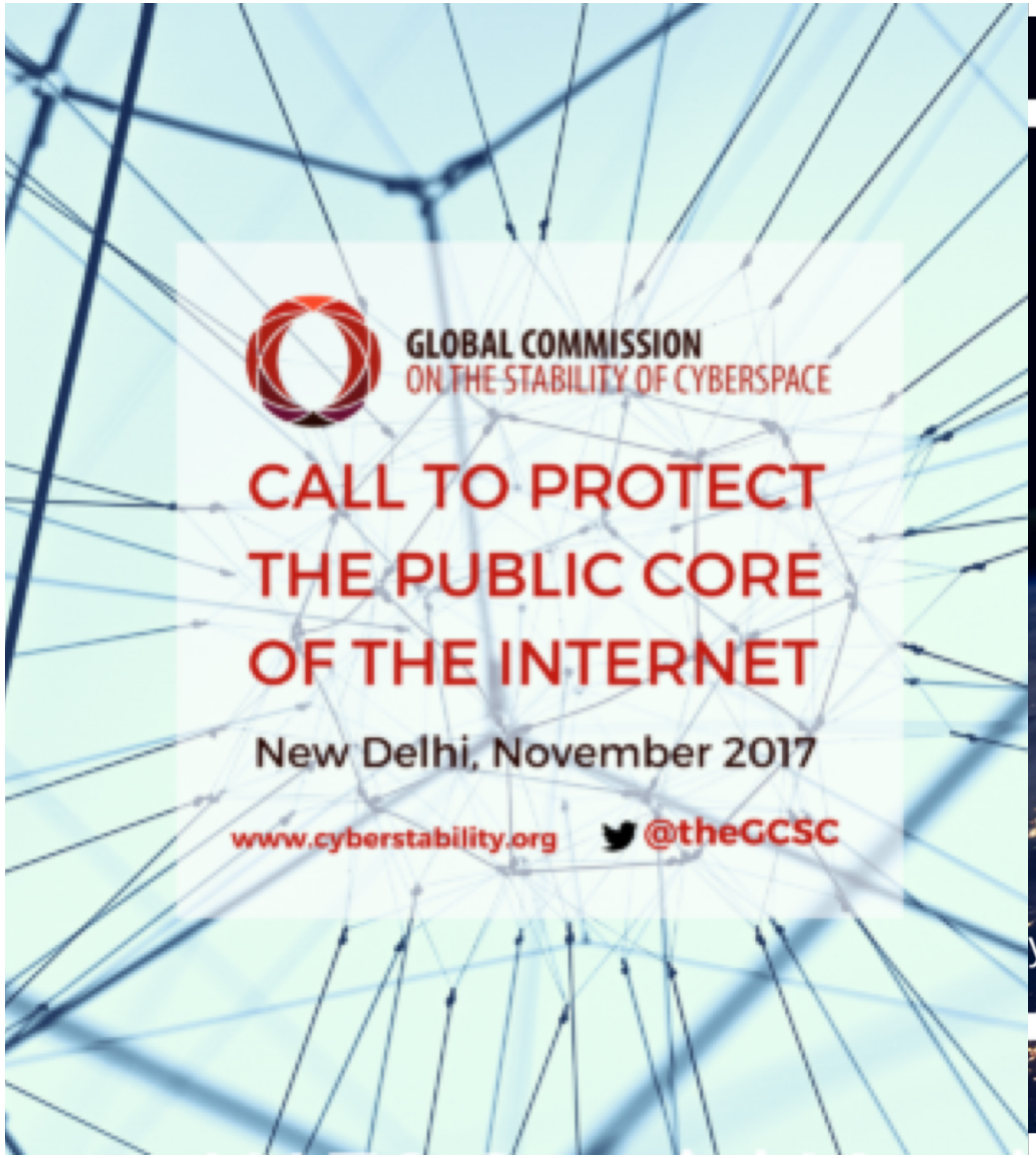
AIRBUS IBM SIEMENS

Allianz Munich Security Conference msc SGS

DAIMLER NXP T

GLOBAL COMMISSION ON THE STABILITY OF CYBERSPACE

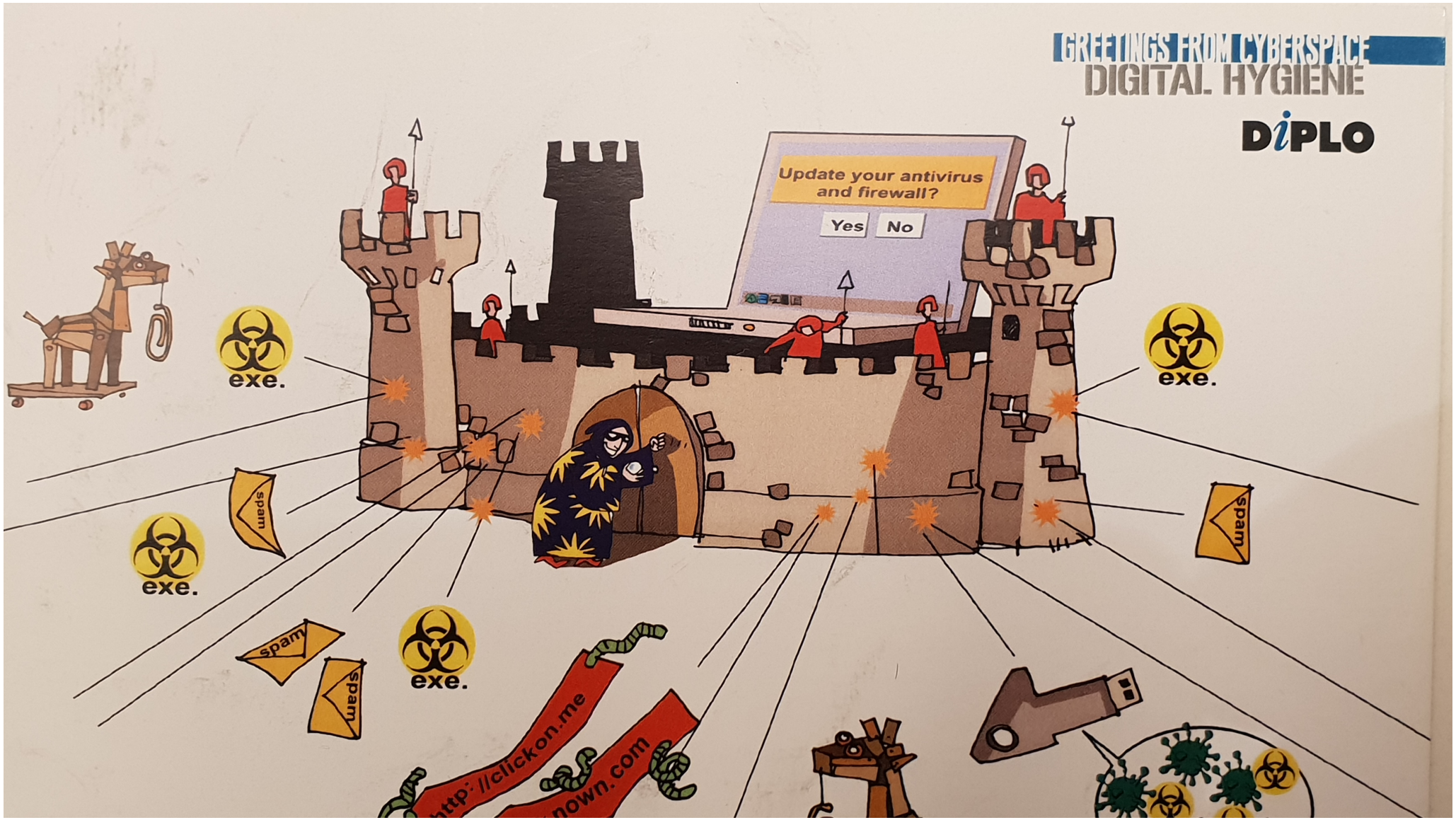
https://cyberstability.org
@theGCSC
@GlobalCommission


GLOBAL COMMISSION
ON THE STABILITY OF CYBERSPACE
CALL TO PROTECT
THE PUBLIC CORE
OF THE INTERNET
New Delhi, November 2017
www.cyberstability.org
@theGCSC

GLOBAL COMMISSION
ON THE STABILITY OF CYBERSPACE
CALL TO PROTECT
THE ELECTORAL
INFRASTRUCTURE
BRATISLAVA, MAY 2019
yberstability.org
@theGCSC

Norms for States and Non-State Actors

- Norm to Avoid Tampering
- Norm Against Commandeering of ICT Devices into Botnets
- Norm for States to Create a Vulnerability Equities Process
- Norm to Reduce and Mitigate Significant Vulnerabilities
- Norm Against Offensive Cyber Operations by Non-State Actors
- Norm on Basic Cyber Hygiene as Foundational Defense


GREETINGS FROM CYBERSPACE
DIGITAL HYGIENE
DiPLO
Update your antivirus and firewall?
Yes
No
exe.
exe.
exe.
exe.
spam
spam
spam
spam
http://clickon.me
nown.com

How to define? Do they mean the same?

- Cybersecurity
- Cyberstability
- Digital security
- Digital stability

PARIS CALL
FOR TRUST AND SECURITY
IN CYBERSPACE
11 • 12 • 2018