



Cyber-Comrades: Alliance Building in Cyberspace

Kenneth Geers

Comodo / NATO Cyber Centre / Atlantic Council

Nation-States

Culture

Territory

Sovereignty



The background is a complex, abstract composition of various textures and geometric forms. It features a mix of dark, medium, and light gray tones. There are prominent rectangular and polygonal shapes, some of which appear to be layered or overlapping, creating a sense of depth. The overall effect is reminiscent of a collage or a heavily textured surface, possibly a wall or a piece of fabric, with a focus on geometric patterns and tonal values.

Alliances

Military

Political

Economic

Information Technology

Data

Information

Intelligence

New Nations

Laws

Borders

Enforcement

Facebook
2,047,000,000

YouTube
1,500,000,000

WhatsApp
1,200,000,000

Facebook Messenger
1,200,000,000

WeChat
938,000,000

QQ
861,000,000

Instagram
700,000,000

Tumblr
357,000,000

Twitter
328,000,000

Sina Weibo
313,000,000

QZone
638,000,000

Baidu Tieba
300,000,000

Viber
260,000,000

Snapchat
255,000,000

Skype
300,000,000

Line
214,000,000

Pinterest
175,000,000

Cyber War

RMA

SCADA

Social



Photoshop



Malware

Propagation

Payload

Re-weaponization



Strategic Impact

Proliferation

Attribution

Fog of War

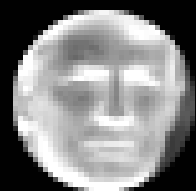
False Flags

Diplomacy

Miscalculation

Digital Diplomacy





Donald J. Trump ✓

@realDonaldTrump



I never said Russia did not meddle in the election, I said "it may be Russia, or China or another country or group, or it may be a 400 pound genius sitting in bed and playing with his computer." The Russian "hoax" was that the Trump campaign colluded with Russia - it never did!

12:33 PM - Feb 18, 2018

♥ 126K 💬 72.6K people are talking about this





4:18

+ Queue

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Transcript

TECHNOLOGY

Russian Bots Are Spreading False Information After The Florida Shooting

February 20, 2018 · 4:38 PM ET

Heard on All Things Considered

AARTI SHAHANI



It's known that Russian groups used Facebook and other social media platforms to spread false information during the 2016 election, but now Russian bots are doing the same after the Florida shooting. So, how are tech giants thinking about tackling these issues and making sure the same thing doesn't happen in this year's midterm election?



Transcript

TILLERSON PRINTS OUT TRUMP'S TWEETS TO HELP SET FOREIGN POLICY

The secretary of state says it's "not a bad system."

VANITY FAIR



BY ABIGAIL TRACY

JANUARY 17, 2018 6:15 PM

Foreign Policy



OSINT

VICE
NEWS

Secret

Surprise

Strategy



7 minutes ago | Comment

Share Like

Simon Ostrovsky

Online



**There are pictures of you taken in Ukraine,
and pictures of me taken in the same spot in Ukraine.**



“Short and fat” vs. “Cockroach”

Atmospheric Ignition

Cyber

Nuclear

Analogy



Cyber Cops

A

P

T

J. Edgar Hoover FBI Building

Non-Governmental Organizations

The background is a complex, abstract composition. It features numerous 3D cubes and rectangular blocks of varying sizes and orientations, creating a sense of depth and movement. These geometric shapes are interspersed with several white arrows pointing in different directions, some straight and some curved. Faint, semi-transparent binary code (0s and 1s) is scattered throughout the scene, particularly around the geometric forms. The overall color palette is dark, with the primary elements being white and light gray against a black background.

Citizen

Hacker



Intergovernmental Organizations

A black and white photograph of a large group of UN peacekeepers. They are wearing helmets with the 'UN' logo and are standing in formation. The image is used as a background for the text.

Laws of War

Cyber Norms

Technical Training

Right hand fingering (chord only)

TAB

*Chord symbols reflect implied harmony.

Pitch: F# G F#

10 10 10 10 10

1/2 hold bend

P.H.-----|

Pitch: F# G A G

rit.

w/ bar

EU / OSCE

Cybercrime
Convention

Confidence
Building
Measures



North Atlantic Treaty Organization



Domain

Deterrence

Pledges



ЗАСЕДАНИЕ СОВЕТА ГЛАВ ГОСУДАРСТВ-ЧЛЕНОВ
ШАНХАЙСКОЙ ОРГАНИЗАЦИИ СОТРУДНИЧЕСТВА
上海合作组织成员国元首理事会会议

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Shanghai Cooperation Organisation

РОССИЯ УФА 2015
2015年俄罗斯乌法



Code of Conduct

Info Sec vs. Cyber Sec



Future

Desire

Transparency

Accountability