

# Cyber Security educational projects in Estonia

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- My background
- Estonian Atlantic Treaty Association (EATA)
- EATA Cyber Security projects in Estonia
  - Cyber Security Studies in Estonian High Schools (curriculum, e-book, teachers studies, reading recommendations)
  - NATONIA online game
  - European Cyber Security Challenge pre competition

# 27 years experience

- 1992 - 1995 IT studies in Tallinn Secondary School nr 21
- 2002 - website for accountants
- 2009 - online accounting services
- 2015 – Cybersecurity studies in Estonian High School Põltsamaa Gymnasium





Founded in 2001 in Tallinn, EATA is a non-profit NGO uniting 300 members that share a common goal of supporting Estonia's NATO membership.

EATA promotes democratic values and active citizens' initiative and considers informing and educating Estonian society on NATO to be its main purpose.

# International co-operation

Cooperation with international organisations (NATO, EU, UN), especially with the Atlantic Treaty Association (ATA) and its members, is of the utmost importance to EATA.



# EATA main partners



REPUBLIC OF ESTONIA  
MINISTRY OF DEFENCE



REPUBLIC OF ESTONIA  
MINISTRY OF EDUCATION  
AND RESEARCH



REPUBLIC OF ESTONIA  
MINISTRY OF FOREIGN AFFAIRS



Konrad  
Adenauer  
Stiftung

**FRIEDRICH  
EBERT**   
**STIFTUNG**

# EATA Cyber Security projects in Estonia

- Cyber Security Studies in Estonian High Schools
  - curriculum
  - e-book and teachers studies
  - reading recommendations
- NATONIA online game
- European Cyber Security Challenge pre-competition

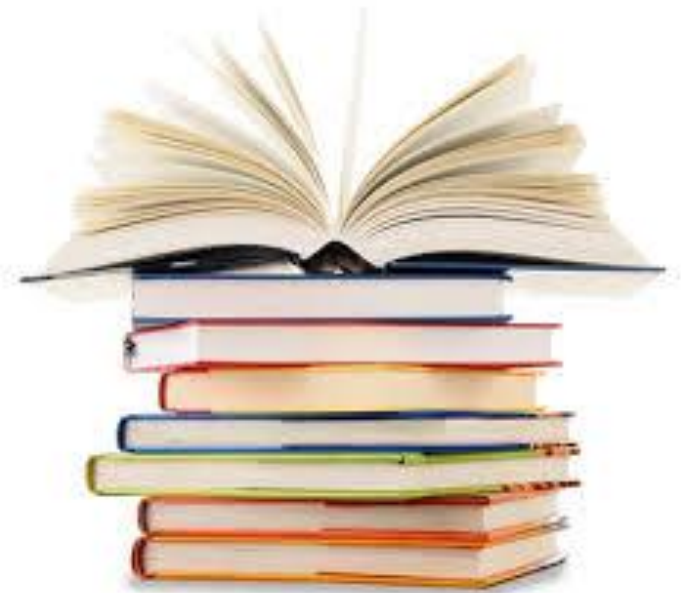
# Cyber Security Studies in Estonian high schools curriculum and e-material

## Introduction to Cyber Security (principles)

- I. Information society (digital society, e-Estonia, culture, ethics, law and regulations, development and future)
- II. Risks and threats (data and identity, infrastructure, security)
- III. Studies and career



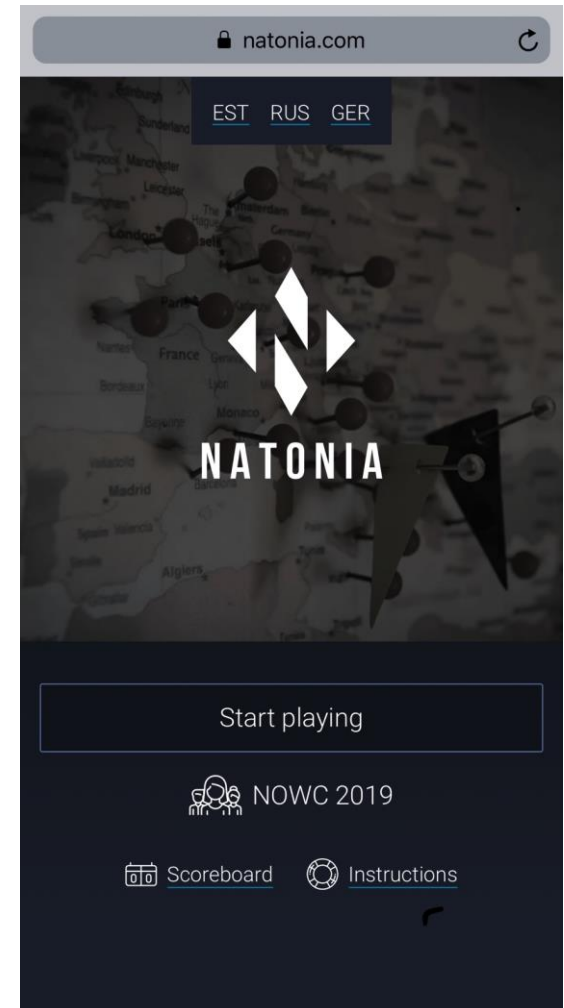
- P.W.Singer, A. Friedman „Cybersecurity and Cyberwar: What Everyone Needs to Know”
- John Naughton „From Gutenberg to Zuckerberg: What You Really Need to Know about the Internet“
- Thomas Rid „Cyber War Will Not Take Place“
- Marc Goodman „Future Crimes“
- Bruce Schneier „Data and Goliath“
- Brian Krebs „Spam Nation“
- Kevin Mitnick „The art of deception“
- Kevin Mitnick „Ghost In The Wires: My Adventures as the World's Most Wanted Hacker“
- Richard A. Clarke „Cyberwar: The Next Threat to National Security & What to Do About It“
- Parmy Olson „We Are Anonymous: Inside the Hacker World of LulzSec, Anonymous, and the Global Cyber Insurgency“
- Kevin Poulsen „Kingpin: How One Hacker Took Over the Billion-Dollar Cybercrime Underground“
- Gabriella Coleman „Hacker, Hoaxer, Whistleblower, Spy: The Many Faces of Anonymous Paperback”



# NATONIA online game

- Learning tool about NATO
- For free
- Single player
- EST, ENG, RUS, GER
- 80 countries

**[www.natonia.com](http://www.natonia.com)**



# European Cyber Security Challenge Competition

The growing need for IT security professionals is widely acknowledged worldwide. To help mitigate this shortage of skills, many countries launched national cyber security competitions targeting towards students, university graduates or even non-ICT professionals with a clear aim to find new and young cyber talents and encourage young people to pursue a career in cyber security. The European Cyber Security Challenge (ECSC) leverages on these competitions by adding a pan-European layer.

- EATA established ECSC pre-competition in Estonia 2016.
- ECSC 2019 will take place October 9-11 in Bukarest, Rumenia.



Thank you!

[www.eata.ee](http://www.eata.ee)



Estonian Atlantic Treaty Association



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