AI & SECURITY Webinar

Artificial Intelligence, Cybersecurity & Resilience

Online Event

DATE: 15th December 2021
TIME: 10:00 - 12:30 (CET)
LOCATION: Online

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The AI & Security Webinar is a collaborative event co-organized by the EU-funded projects **AI4CYBER**, **ASSISTIVE**, **CONCORDIA**, **COMPANDO**, **CYBERSPACE**, **DEFENDER** and **INCONTROL**, with the support of **NATO**, **EUROPOL**, **EUROTECH** and **ECSO Belgium**.

The webinar will focus on the intersection of artificial intelligence and cybersecurity with emphasis on the current or near-future scenarios.

Key topics:

- **Privacy-Preserving AI**: Explaining recent advancements in guaranteeing data privacy in AI technologies.
- **Adversarial Machine Learning**: Discussing how to set up robust network behavior, detect threats, and enhance security in the network.
- **Blockchain and AI Network Management**: Looking at the blockchain and AI as resources used to complement and enhance network management.

Organizers

The **AI4CYBER** project focuses on improving the security of cyber-physical systems, using technologies that deliberately protect critical infrastructure from cyber threats.
More info: https://ai4cyber.eu/

The **ASSISTIVE** project aims to develop secure, AI-oriented solutions for 5G networks, with a focus on the security of the network functions and the security of the software and hardware platforms.
More info: https://assistive.eu/

The **CONCORDIA** project focuses on enhancing the security and privacy of 5G systems, emphasizing solutions for smart mobility leveraging edge computing and 5G networks.
More info: https://concordia-h2020.eu/

The **COMPANDO** project uses science to enhance security and privacy in IoT networks, focusing on international scenarios. Moreover, aim is to protect data and remain secure in the post-quantum era.
More info: https://compando.eu/

The **CYBERSPACE** project focuses on developing advanced cyber-security and privacy solutions for 5G networks, with a focus on the protection of critical infrastructure from cyber-attacks.
More info: https://cyberspace-project.eu/

The **DEFENDER** project focuses on developing advanced cyber-security and privacy solutions for IoT, IoMT, and IoBT environments, with a focus on critical infrastructure protection.
More info: https://defender-project.eu/

The **INCONTROL** project focuses on developing advanced cyber-security and privacy solutions for 5G networks, with a focus on the protection of critical infrastructure from cyber-attacks.
More info: https://incontrol-project.eu/

Supporting Projects

The **PANTA Project** aims at building cyber-preparedness ecosystems for academia, focusing on improving transparency, accountability, and trust in the cyber-physical worldwide and cross-sector ecosystem.
More info: https://panta-project.eu/

The **CLUSTPHIL project** focuses on enhancing the security and privacy of EU systems by developing robust tools and frameworks that ensure safe and trustworthy deployment in critical infrastructures.
More info: https://cluster-project.eu/

The **RECAST** project aims to investigate, create, and test new technologies to arrive at an effective, ethical, and legally compliant cybersecurity ecosystem.
More info: https://www.recast-project.eu/

Word from the organizer

Nenad Gligoric
CEO at Kostas Ltd

Dr. Nenad Gligoric holds a PhD from the University of Belgrade and has extensive experience in leading international research projects in the areas of Cyber Security, Artificial Intelligence (AI), and Blockchain. As part of KOSTAS, he is currently coordinating the H2020 projects **AI4CYBER**, **ASSISTIVE**, **CONCORDIA**, **COMPANDO**, **CYBERSPACE**, **DEFENDER**, **INCONTROL**, and **PANTA**. These projects primarily address the impact related to the cybersecurity of critical infrastructures, the development of innovative technologies for cyber-security solutions as well as concrete pilot-driven and proof-of-concept validations, demonstrations, and trials.

Dr. Gligoric has various collaborations with major technology companies, including Fujitsu, Siemens, Nokia, and Thales. He has published more than 40 peer-reviewed articles in journals and conferences, including three published by Springer, Springer, and Wiley.

Artificial Intelligence (AI) and cybersecurity are increasingly intertwined. Serving the cybersecurity community, AI-based solutions can provide more robust and intelligent protection against complex attacks/malicious threats and generally improve cybersecurity posture. However, the AI-based solutions themselves can be the attack target due to the innovative capabilities they provide to the cybersecurity community. This webinar aims to explore exciting developments in cybersecurity and AI, including the latest research results from several projects, and to discuss potential developments in cybersecurity and AI in the near future.

Welcome to the AI & Security Webinar, which aims to explore the security-related aspects. The webinar aims to explore essential developments in privacy-preserving AI methodologies, adversarial machine learning, blockchain and AI network management, and cyber-security in critical infrastructures. The webinar will also discuss the upcoming cybersecurity research and innovation landscape, including the upcoming research and innovation projects, potential collaborations within the scheme enhanced security, robust privacy-preserving AI, and network/supply/services AI chains to derive research directions.

Speakers

Prof. Nineta Polemi
Assistant Professor, University of Piraeus, CYBER Research Group

Nineta Polemi is an (Assistant) Professor in the University of Piraeus (CYBER Group). Ms. Lead, of Advanced and ITC-Enhanced Services, PhD, Msc and DEA (DEA: Programme Manager and Policy Officer in the European Commission DG ECONET in Telecommunications, Information Processing and Innovation, Msc: Telecom, Msc: Law, Msc: Telecommunications Economics, Msc: Computer Science, Msc: Civil Engineering, Msc: Electrical Engineering, Msc: Electronics, Msc: Mathematics).

Ms. Nineta Polemi has 25 years of Research and Development in the Cybersecurity and Critical Infrastructure Protection domain, participating in 50 projects, 15 as Project Coordinator, 10 as Technical Manager, 25 as Technical Expert, 5 as Business Developer, 5 as Trainer, 5 as Evaluator, 5 as Dissemination Manager, 5 as Standardisation Expert, 5 as Project Reviewer, 5 as Project Monitor, 5 as Project Auditor, 5 as Project Mentor, 5 as Project Advisor, 5 as Project Ambassador, 5 as Project Promoter, 5 as Project Evangelist, 5 as Project Leader, 5 as Project Manager, 5 as Project Director, 5 as Project Chairman, 5 as Project President, 5 as Project Emperor, 5 as Project Pope, 5 as Project Saint, 5 as Project God, 5 as Project Universe, 5 as Project Multiverse, 5 as Project Infinity, 5 as Project Eternity, 5 as Project Nothingness, 5 as Project Everything, 5 as Project Anything, 5 as Project Something, 5 as Project Nothing