

ECSCI Projects



2nd ECSCI (European Cluster for Securing Critical Infrastructures) Workshop

Venue: Virtual (Google Meet)

Dates: 27th-29th of April 2022

All times are CEST

Day 1: Wednesday, April 27th 2022 (09:00-18.00)

Invited Talks, Project Presentations & Thematic Presentations

Welcome and opening of the day <i>Chair: Habtamu Abie, Norsk Regnesentral</i>	
09:00 – 09:10	Welcome and opening remarks: Habtamu Abie (Norsk Regnesentral) and Boryana HRISTOVA - ILIEVA from DG CNECT Unit H.2 – Cybersecurity and Digital Privacy Policy
09:10 - 10:00	Invited Talk: Cybersecurity investments and good practices for cyber risk management in critical infrastructure by Athanasios Drougkas, ENISA
10:00 - 10:20	Coffee Break
Session 1: The results of EU research on CI protection (part 1) <i>Chair: Manos Athanatos, FORTH</i>	
10:20 – 10:40	ANASTACIA (www.anastacia-h2020.eu): Security and trust assessment in CPS / IOT architectures - Stefano Bianchi, Algowatt
10:40 – 11:00	CyberSANE (www.cybersane-project.eu): Cyber Security Incident Handling, Warning and Response System for the European Critical Infrastructures by Thanos Karantjias, MAGGIOLI

11:00 - 11:20	FeatureCloud (featurecloud.eu): Privacy-preserving AI in Systems Medicine with Federated Learning by Julian Matschinske, University of Hamburg
11:20 - 11:40	EnergyShield (energy-shield.eu): Shielding the power grid from cyberattacks by Otilia Bularca, SIMAVI
11:40 - 12:00	ENSURESEC (www.ensuresec.eu): Securing the e-commerce ecosystem from cyber, physical and cyber-physical threats by Luís Júdice Sousa, INOV
12:00 - 12:20	EU-HYBNET (euhybnet.eu): Empowering a Pan-European Network to Counter Hybrid Threats by Päivi Mattila, Laurea
12:20 - 12:40	CyberSEAS (https://cyberseas.eu/): Cyber Securing Energy Data Services by Paolo Rocchetti, Head of Cysec research unit, Engineering (ENG)
12:40 - 13:00	FINSEC (www.finsec-project.eu): Securing critical financial infrastructure - Fabrizio Di Peppo, GFT
13:00 - 14:00	Lunch Break
Session 2: Cybersecurity and respective ELSI <i>Chair and moderator: Erik Kamenjašević, KU Leuven CiTiP</i>	
14:00 - 15:00	<u>Cybersecurity and the NIS2 Directive: regulatory aspects and sectoral perspectives</u> Panel by KU Leuven CiTiP researchers involved in SAFECARE/ ENSURESEC/ PRAETORIAN <ul style="list-style-type: none"> • Eyup Kun (ENSURESEC): Evolution of the Cybersecurity Responsibilities: From NIS-to-NIS Directive 2 and its impact on E-commerce • Maria Avramidou and Maja Nišević (PRAETORIAN): The Cybersecurity of airports and ports under the proposed NIS 2 and CER Directives. • Elisabetta Biasin (SAFECARE): Medical Device Cybersecurity under the NIS2 and the AI Act <i>Moderator: Erik Kamenjašević</i>
15:00 - 15:20	<u>Ethical and legal aspects of cybersecurity</u> <ul style="list-style-type: none"> • By Dimitra Stefanatou (Arthur van der Wees), Arthur's Legal B.V
15:20 - 15:40	Coffee Break
Session 3: The results of EU research on CI protection (part 2) <i>Chair: Rita Ugarelli, SINTEF</i>	
15:40 - 16:00	IMPETUS (www.impetus-project.eu): Intelligent Management of Processes, Ethics and Technology for Urban Safety by Joe Gorman, SINTEF Digital
16:00 - 16:20	InfraStress (www.infrastress.eu): Improving resilience of sensitive industrial plants & infrastructures - Gabriele Giunta, Engineering
16:20 - 16:40	PHOENIX (phoenix-h2020.eu): Improving the cyber security of the European electrical power energy systems by Ganesh Sauba, DNV
16:40 - 17:00	PRAETORIAN (praetorian-h2020.eu): Protection of Critical Infrastructures from advanced combined cyber and physical threats by Eva María Muñoz Navarro, ETRA I+D
17:00 - 17:20	SealedGRID (www.sgrid.eu): Scalable, trusted, and interoperable platform for secured smart GRID by Christos Xenakis, University of Piraeus
17:20 - 17:40	Conclusions and Collaboration Planning of Day 1 <i>Chair: Habtamu Abie, Norsk Regnesentral</i>

Day 2: Thursday, April 28th 2022 (9:00-17.00)
Invited Talks, Project Presentations & Thematic Presentations

Welcome and Session 1 <i>Chair: Ilias Gkotsis, Satways Ltd</i>	
09:00 – 09:10	Welcome and opening remarks: Ilias Gkotsis (Satways) and Max Brandt from DG Migration and Home Affairs - D2 Counter-Terrorism
09:10 – 10:00	Invited talk: Moving towards a trustworthy and resilient European cyber security ecosystem by Roberto Cascella, ECSO
Session 2: The results of EU research on CI protection (part 3) <i>Chair: Ilias Gkotsis, Satways Ltd</i>	
10:00 - 10:20	SPHINX (sphinx-project.eu): Cyber-security protection in healthcare IT ecosystem by Evangelos Markakis, Hellenic Mediterranean University-HMU
10:20 - 10:40	STOP-IT (stop-it-project.eu): Protection of critical water infrastructures by Rita Ugarelli, SINTEF
10:40 – 11:00	7SHIELD (www.7shield.eu): A holistic framework to protect Ground Segments of Space Systems against cyber, physical and natural complex threats by Gerasimos Antzoulatos, Centre for Research and Technology-Hellas – CERTH
11:00 – 11:20	Coffee Break
Session 3: The results of EU research on CI protection (part 4) <i>Chair: Denis Caleta, ICS-Ljubljana</i>	
11:20 - 11:40	SecureGas (www.securegas-project.eu): An integrated, yet installation specific, solution for the resilience of gas infrastructure against cyber and physical threats by Celina Solari (Clemente Fuggini), RINA Consulting
11:40 – 12:00	PRECINCT (www.precinct.info): Cascading cyber-physical threats and effects by Antonis Mygiakis & Aristeia Zafeiropoulou, Konnecta Systems
12:00 – 12:20	RESISTO (www.resistoproject.eu): Resilience enhancement and risk control for communication infrastructures - Bruno Saccomanno, Leonardo – Società per azioni
12:20 – 12:40	SAFECARE (www.safecare-project.eu): Safeguarding critical health infrastructure by Philippe Tourron (APHM - Hôpitaux universitaires de Marseille) and Isabel Praça (ISEP - Institut Superior de Engenharia do Porto)
12:40 – 13:00	SATIE (satie-h2020.eu): Security of air transport infrastructure of Europe by Tim Stelkens-Kobsch, German Aerospace Center (DLR)
13:00 - 14:20	Lunch Break
Session 4: Combating hybrid and cyber-physical threats <i>Chair: Habtamu Abie, Norsk Regnesentral</i>	
14:20 - 14:40	<u>Combating Hybrid Threats to Critical Infrastructures</u> <ul style="list-style-type: none"> Innovations to counter hybrid threats by Souzanna Sofou, Satways (EU-HYBNET)
14:40 – 15:00	<u>Cyber and Physical Detection</u> <ul style="list-style-type: none"> PRAETORIAN (praetorian-h2020.eu): Risk scenarios modelling and assessment in a combined attack approach by Frederic Guyomard, EDF Labs Paris (EDF)
15:00 – 15:40	<u>Round table discussions</u> <ul style="list-style-type: none"> Frederic GUYOMARD, EDF Labs Paris (EDF) Nineta Polemi, University of Piraeus <p><i>Moderator: Christos Tselios, Citrix</i></p>

15:40 - 16:00	Coffee break
Session 5: Increased automation and information sharing <i>Chair: Ilias Gkotsis, Satways Ltd</i>	
16:00 - 16:20	<u>Increased automation for detection, prevention and mitigation measures</u> <ul style="list-style-type: none"> • Vasileios Mavroeidis, University of Oslo
16:20 - 16:40	<u>Information sharing techniques, rules, and repository to exchange knowledge</u> <ul style="list-style-type: none"> • Decentralized Identities and the role of this technology in CI protection and information sharing by Michele Nati, IOTA
16:40 - 17:00	Conclusions and Collaboration Planning Day 2 <i>Chair: Ilias Gkotsis, Satways Ltd</i>

Day 3: Friday, April 29th 2022 (9:00-17.00)

Invited Talk & Common Thematic Presentations

Welcome and Session 1 <i>Chair: Habtamu Abie, Norsk Regnesentral</i>	
09:00 - 09:10	Welcome and opening remarks - Giannis Skiadaresis from DG Migration and Home Affairs, Unit B4 - Innovation and Security Research
09:10 - 10:00	Invited talk: The evolution of security and resilience of critical infrastructures in a challenging environment by Georgios Giannopoulos, JRC
Session 2: Standards and regulations <i>Chair: Loredana Mancini, Inlecom Systems</i>	
10:00 - 11:20	<u>Standards and Regulations for the Protection of Critical Infrastructures</u> <ul style="list-style-type: none"> • PHOENIX – Industrial Cybersecurity Testing Methodology on LSPs by Ganesh Sauba, DNV • Emerging Cybersecurity Standards for Critical Infrastructure – Lessons from Recent Goals Released by CISA and NIST in the United States by Ilesh Dattani, Assentian • Standards and NIS compliance by Argyro Chatzopoulou, TÜV TRUST IT GmbH • InfraStress: New DIN 91461 standard SPEC document on stress-testing resilience of critical infrastructures by A. Jovanović, Steinbeis EU-VRi, G. Giunta, Ch. Grunewald
11:20 - 11:40	Coffee break
Session 3: Platform for cascading effects <i>Chair: Isabel Praça, GECAD/ISEP</i>	
11:40 - 13:00	<u>Common Platform for Cascading Effects on the Different Critical Infrastructures</u> <ul style="list-style-type: none"> • SmartResilience: A methodology and a platform for indicator-based self-generation of cascading scenarios in infrastructure-of-infrastructures by Aleksandar Jovanović (Steinbeis EU-VRi) • Synergies and Challenges towards the integration of Safety and Security requirements in Critical Infrastructure Protection: Examples from the SecureGas and InfraStress projects by Clemente Fuggini (RINA Consulting) • Simulation Framework for Cascading Effects among Urban Critical Infrastructures by Stefan Schauer (AIT Austrian Institute of Technology GmbH) • Mitigating attacks in Collaborative Manufacturing Environments by Adrien Bécue (Head of Innovation, Airbus Cyber Security)

Session 4: Safety and security, a holistic approach <i>Chair: Rita Ugarelli, SINTEF</i>	
13:00 – 14:00	<u>Combined Safety and Security for European Critical Infrastructures</u> <ul style="list-style-type: none"> ● Hybrid threats and critical infrastructure protection by Päivi Mattila, Laurea ● Integrated Security, Safety and Risk Assessment for CIs and will be made by Antonis Kostaridis (SATWAYS) ● Pan-European cybersecurity information and incidents sharing and management for Energy Infrastructures by Sofia Tsekeridou (INTRASOFT International)
14:00 - 14:40	Lunch Break
Session 5: Cybersecurity awareness <i>Chair: Habtamu Abie, Norsk Regnesentral</i>	
14:40 - 15:40	<u>Cyber Security Awareness</u> <ul style="list-style-type: none"> ● Framework for Cybersecurity Awareness in the Industrial Domain at EDF by Frederic Guyomard (EDF Lab Paris) ● Meta-computing in Cybersecurity by Arasaratnam Arasilango (Tech Inspire LTD) ● Cyber security awareness in critical infrastructures by Christos Angelidis (konnektable)
Session 6: Cyber and physical threats <i>Chair: Isabel Praça, GECAD/ISEP</i>	
15:40 – 16:40	<u>Advanced Combined Cyber and Physical Threats</u> <ul style="list-style-type: none"> ● Visible and Emerging Vulnerabilities in Critical Energy Infrastructures by G. Stergiopoulos (Univ. of the Aegean), D. Gritzalis (Athens Univ. of Economics & Business) ● Modeling cyber and physical threats in IT&OT integrated systems by Sokratis Katsikas (Director Norwegian Center for Cybersecurity in Critical Sectors (NORCICS), Norwegian University of Science and Technology - NTNU) ● Risk Methodology Approach for Combined Cyber and Physical Threats by M. Mohamed (HIBTI)
16:40 - 17:00	Conclusions and Collaboration Planning Day 3: Giannis Skiadaresis from DG Migration and Home Affairs, Unit B4 - Innovation and Security Research <i>Chair: Habtamu Abie, Norsk Regnesentral</i>

Enhancing resilience is a team effort...

Thank you for your participation!