



EU-CIP Project & ECSCI Cluster 1st Annual Conference on Critical Infrastructure Resilience “Reinventing European resilience”

20-21 September 2023
Brussels

The EU-CIP Project is pleased to welcome you to its **1st Annual Conference on Critical Infrastructure Resilience**, co-organised with the ECSCI cluster. EU-CIP ambitions to establish a flagship event that will be a vehicle for animating, sustaining, and growing the CIP/CIR ecosystem, presenting relevant EU initiatives and project outcomes.

CONSORTIUM



This project has received funding from the European Union's Horizon Europe research and innovation programme under the grant agreement No 101073878.

AGENDA OF THE CONFERENCE

Day 1 – 20 September 2023

Time	Session Title	Speakers
09.00-09.30	Registration	
09.30-09.45	Introductory Remarks	Vito Morreale, Director of the Industry and Security Technology, Research and Innovation (IS3) Lab at Engineering Ingegneria Informatica S.p.A. EU-CIP Coordinator: Emilia Gugliandolo, Engineering Ingegneria Informatica S.p.A.
09.45-10.00	The Future of the ECSCI Cluster	Habtamu Abie, Norwegian Computing Center (NRS)
10.00-10.30	Keynote Speech #1	Giannis Skiadaresis, European Commission – DG HOME
10.30-10.45	Coffee Break	
10.45-12.15	Roundtable #1: Current and emerging risks and challenges for CIP/CIR – assessment of threats, gaps and needs	Chair: Prof. Dr. Aleksandar Jovanović, CEO, Steinbeis European Risk & Resilience Institute Speakers: <ul style="list-style-type: none">Irene Bonetti, Attilio Carmagnani "AC" SpA



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		<ul style="list-style-type: none"> • Frederic Petit, European Commission Joint Research Centre • Gabriele Giunta, Engineering Ingegneria Informatica S.p.A. • Frédéric Guyomard, Électricité de France (EDF) • Nikolaos Papagiannopoulos, Athens Airport
12.15-13.30	Lunch Break	
13.30-17.45	ECSCI Workshop Session on the results of ECSCI projects <i>Chairs: Habtamu Abie (NRS) and Rita Ugarelli (SINTEF)</i>	
13.30-13.45	AI4CYBER: Fighting AI-powered cyberattacks with new AI technologies	Angeliki Tsanta, EOS
13.45-14.00	APPRAISE: Enhancing collaboration to predict and prevent terrorist acts	Anastasios Dimou, CERTH
14.00-14.15	ATLANTIS: Improved Resilience of Critical Infrastructures Against Large Scale Transnational and Systemic Risks	Vito Morreale, Engineering (ENG)
14.15-14.30	CyberSEAS: Cyber Securing Energy Data Services	Paolo Rocchetti, Engineering (ENG)
14.30-14.45	DYNABIC: Reinforcing European critical services against advanced cyber-physical threats	Ioan Constantin, Orange Romania



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14.45-15.00	Coffee Break	
15.00-15.15	EU-HYBNET: Empowering a Pan-European Network to Counter Hybrid Threats	Päivi Mattila, Laurea
15.15-15.30	eFORT: Making European power grids more resilient and secure	Esteban Damian Gutierrez Mlot, CIRCE
15.30-15.45	PRAETORIAN: Protection of Critical Infrastructures from advanced combined cyber and physical threats	Lazaros Papadopoulos, National Technical University of Athens
15.45-16.00	PRECINCT: Cascading cyber-physical threats and effects	Kevin Flemming, ICP (PRECINCT Coordinator)
16.00-16.15	SUNRISE: Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic-Stricken Europe	Pablo de Juan Fidalgo, ATOS
16.15-17.00	IRIS: artificial Intelligence threat Reporting and Incident response System	Sofia Tsekeridou, Netcompany-Intrasoft
17.00-17.15	CybAlliance: International Alliance for Strengthening Cybersecurity and Privacy in Healthcare, a collaboration project between France, Germany, USA and Norway	Sandeep Pirbhulal, Norwegian Computing Center (NRS)
17.15-17.45	Concluding remarks and roundtable	ECSCI project representatives
17.45-19.00	Networking reception	



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Day 2 – 21 September 2023

Time	Session Title	Speakers
09.00-09.30	Registration	
09.30-09.45	Keynote Speech #2	Sebastian Serwiak European Commission – DG HOME
09.45-11.15	Roundtable #2: Current market solutions and practitioners needs	Chair: Paolo Venturoni, <i>European Organisation for Security (EOS)</i> Speakers: <ul style="list-style-type: none"> Nicolas Garcia, IDEMIA Danai Kazantzidou-Firtinidou, Center for Security Studies (KEMEA) Stefano Sebastio, Collins Aerospace Tim Stelkens-Kobsch, German Aerospace Center (DLR)
11.15-11.30	Coffee Break	
11.30-11.45	EU-CIP Impact on Innovation	John Soldatos, Innov-Acts
11.45-12.00	Closing remarks	EU-CIP Coordinator: Emilia Gugliandolo, Engineering Ingegneria Informatica S.p.A.



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12.00-
13.30

Lunch Break

Day 1:

Opening Sessions

Vito Morreale

Director of the Digitech R&I Lab at Engineering



Mr. Vito Morreale (male) is the Director of the Digitech R&I Lab at Engineering. The lab is running more than 70 projects, both national and European, on security and industry sectors, adopting and exploiting technologies such as Artificial Intelligence (AI), Big Data Analytics, Digital Twin, Cloud and Edge, Internet of Things, Service-orientation. He coordinated several research projects and is the author of several scientific papers and member of several international conferences Program Committees. He is member of several security and AI-related working groups and task forces.

Emilia Gugliandolo

EU CIP Coordinator - Project Manager in the Research and Innovation Lab at Engineering



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Mrs. Emilia Gugliandolo (female) graduated as Doctor with Laude in Management Engineering from the University of Salento (Lecce, Italy). Currently she is working as Project Manager in the Research and Innovation Lab at Engineering Ingegneria Informatica S.p.A. as part of the Secure and Resilient Infrastructure Unit. She deals with Security, Intelligent Systems & Internet of Things, Big Data Analytics & Business Intelligence, and Social

Business.

Since 2015, she has focused her expertise in the Disaster Resilience and Critical Infrastructure Protection domains, being involved in numerous H2020 and HEU projects dealing with Security, Critical Infrastructure Protection and Disaster Resilience: STORM (H2020-DRS-2015), DEFENDER (H2020-CIP-01-2016-2017), FASTER (H2020 - DRS02-2018), 7SHIELD (H2020-SU-INFRA-2019), ENSURESEC (H2020-SU-INFRA-2019), PRECINCT (H2020-SU-INFRA-2020), RESCUER (H2020-SU-SEC-2020), ATLANTIS (Horizon Europe HORIZON-CL3-2021-INFRA-01), EU-CIP (Horizon Europe HORIZON-CL3-2021-SSRI-01). She is the EU-CIP Project Coordinator. She is also specialised in the roles of Innovation and Exploitation Manager.

Habtmu Abie

Chief Research Scientist at NRS



Habtmu Abie, Ph.D., is currently a Chief Research Scientist at Norsk Regnesentral (NRS). He received his B.Sc., M.Sc., and Ph.D. from the University of Oslo, and has many years of experience in computing, both as a practitioner and researcher. He has a solid and extensive background in the design and development of secure real-time systems and

the design, modelling, and development of adaptive security for distributed computing systems and critical infrastructure protection.

Previously he has worked as a senior engineer and research scientist at Telenor R&D, scientific associate and fellow at CERN (European



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Organization for Nuclear Research), Researcher at ABB Corporate Research, and software development engineer at Nera-AS and Alcatel Telecom Norway AS. His current research interests include adaptive security, critical infrastructure protection and resilience, cybersecurity, adaptive threat hunting and intelligence, risk management, AI for security, 5G and beyond, Internet of Things, and digital twins for enhancing cybersecurity and resilience.

Giannis Skiadaresis

Area Coordinator for SSRI at DG HOME (European Commission)



Giannis Skiadaresis is the Area Coordinator for Strengthened Security research and Innovation (SSRI) in the Unit on Security Research and Innovation of DG HOME in European Commission. Mr. Skiadaresis holds an MA in EU International Relations and Diplomacy, from the College of Europe in Bruges where he was a laureate of ENP-EU scholarship awarded by the European Commission. He has also graduated from the Leadership programme of Harvard Kennedy School and from the Strategic Innovation Programme of University of Oxford. He has worked in the Cabinet of Commissioner Avramopoulos on Migration, Home affairs and Citizenship and in other posts at DG HOME in the European Commission. His experience also includes Industrial Policy, New Technologies and Innovation, International relations, security and defence policy, business development and coordination of EU-funded Projects.



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Roundtable 1: Current and emerging risks and challenges for CIP/CIR – assessment of threats, gaps and needs

Chair of the roundtable : Prof. Dr. Aleksandar Jovanović
CEO Steingbeis European Risks & Resilience Institute



Dr. A. Jovanovic is the CEO of the Steinbeis EU-VRi European Risk and Resilience Institute in Stuttgart, Germany, and also leads the European Virtual Institute for Integrated Risk Management (EU-VRi). He holds a full professorship at Steinbeis University and is an Associate Member at ETH Zürich, Switzerland. His extensive academic and research background includes positions at renowned institutions worldwide, including Politecnico di Milano (Italy), University of Stuttgart (Germany), Ecole Polytechnique (France), University of Tokyo (Japan), University of California, La Jolla (USA), Beijing Capital University (China), and the European Commission (Belgium, Italy), as well as work for Argonne National Laboratory (USA) and the Risk Center of ETH Zürich, Switzerland, and various industry engagements. In his professional capacity, Dr. Jovanovic has overseen more than 150 large international and multinational projects in diverse domains such as innovation management, new technologies, risk management, advanced data analysis, data mining, and related fields, with a current focus on risk and resilience management across industries, including insurance, power, and process sectors. His contributions extend to the global risk community through his involvement in establishing standards, such as



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CEN-CWA 15740:2008 (RBI), EN16991:2018 (RBI), CEN-CWA 16449:2013 (Management on New Technologies-Related Risks), ISO 31050 (Management of emerging risks for enhanced resilience), and DIN-SPEC 91461:2022 (Framework for stress-testing resilience of industrial plants and sites exposed to cyber-physical attacks). Additionally, he has coauthored the OECD's milestone study on Future Global Shocks in 2013, authored seven books, and published over 150 research papers.

Irene Bonetti

Terminal Manager at Attilio Carmagnani SpA



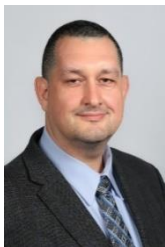
Irene Bonetti is the terminal manager for Attilio Carmagnani “AC” SpA, an SME with a history of more than 115 years in Genoa. The customs warehouse specializes in the receipt, storage, and forwarding of chemicals and petrochemical products by road, rail, and sea. This facility is classified as a SEVESO infrastructure. Her responsibilities encompass the management, planning, and oversight of logistical, maintenance, and technical operations within the terminal. She holds the key roles of ensuring safety, security, environmental compliance, and risk management. Additionally, Irene serves as a board member for both Attilio Carmagnani "AC" SpA and Analisi & Controlli Srl. In the broader business community, she is an active member of the General Council of Confindustria Genova, where she also serves as the President of the Group of Chemical, Oil, and Energy Enterprises "CHENPE" and holds the position of Vice President for SMEs at Confindustria Genova. Furthermore, she is a member of the Confindustria Group for Research and Innovation and proudly represents Italy for Unione Petrolifera in FETSA (Federation of the European Tanks Storage Associations). She takes on the role of coordinator and partner in numerous innovation research projects, including those at the EU level, FESR, and Industry 4.0 initiatives.



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Frederic Petit

Project Officer at the Joint Research Centre (European Commission)



Frédéric Petit is a Project Officer at the European Commission Joint Research Centre (JRC) in the Unit E-2 on Technologies for Space, Security and Connectivity. He conducts R&D activities in critical entities' protection and resilience and the development of frameworks and tools to inform resilience enhancement strategies and policies. Before taking this role at the JRC in 2023, Frédéric was Principal Infrastructure Analyst at Argonne National Laboratory, United States, for 13 years, where he led the development of decision-analysis methodologies for assessing the security and resilience of critical infrastructure. He has been actively engaged in the development, implementation, and education (training and communication) of risk assessment methodologies for various critical infrastructure, critical functions, and critical entities for more than 20 years.

Nikolaos Papagiannopoulos

Senior Research Project at Athens Airport



Nikolaos Papagiannopoulos is a Senior Research Project & Program Management professional with 20+ years of ICT and CI Operations, as well as a Project Manager for Digital Transformation projects. For the last 10 years he is responsible of multiple - HORIZON program - EU funded Research & Innovation projects with a focus in aviation. He is an expert in data analytics, IoT, Cybersecurity, 5G Mobile networks, Airport digital



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strategies. He is a Certified PMP, DASSM-AGILE, CISA, CISSP, ISO 27001 LA and ITIL professional as well as MBA and MSc holder in Informatics.

Gabriele Giunta

Research Manager and head of the “Secure and Resilient Infrastructure” Unit at Engineering



Gabriele GIUNTA is the research manager and head of the “Secure and Resilient Infrastructures” Unit within the IS3 R&I Lab (Industry and Security Technology) at Engineering dealing with Critical Infrastructure Protection mostly focused on the systemic view. He has more than 20 years experience in Research and Innovation in Security, Transportation, Artificial Intelligence, Software Engineering, Software Architecture Design, System Integration, Service Oriented Computing. He has been working in multi-sector Italian and European research projects, playing several roles, such as solution designer, system architect, technical manager, and project coordinator. He has been involved as co-author of scientific papers in International Conferences, Journals and Books.

Frédéric Guyomard

Expert research Engineer at EDF R&D



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Frédéric GUYOMARD is an expert research engineer at EDF R&D with 20 years of experience in the field of computer and digital security. He holds a DEST in Electronics and a Master2 in IT security and cybercrime (UTT). Specializing in digital security and the evaluation of industrial environments for 14 years, he has contributed to numerous large-scale projects,

including the renovation of installations and new initiatives for the EDF group (smart meters, nuclear, distribution, monitoring, renewable energy, smart charging, etc.). In 2019, he actively participated in European Commission workshops on IPCEI – Cybersecurity items, where two main proposals were selected for recommendation among the 6 prioritized workstreams. Currently serving as a Senior Project Manager, he directs the European H2020 project "PRAETORIAN," a consortium of 23 partners spanning 7 EU countries, addressing combined cyber and physical threats to Critical Infrastructures in Europe. This grant-funded project aims to develop tools for risk reduction and incident management concerning the cascading effects resulting from such threats. Frédéric Guyomard also coordinates the EXERA Cybersecurity Technical Committee and holds memberships in ECSO and ENCS. His primary interests revolve around cybersecurity in industrial and critical facilities, threat analysis in the digital domain, and potential real-world impacts of these threats. He emphasizes the significance of protecting and defending systems, the necessity of international partnerships and collaborations, and the influence of national and European directives (LPM, NIS REC) on security measures and requirements in new or renovated projects.



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ECSCI Workshop Session on the Results of the ECSCI Projects

Chairs of the Session : Habtamu Abie (Bio above) and

Rita Ugarelli

Chief Scientist at SINTEF Community



Rita Ugarelli is Chief Scientist at SINTEF Community and adjunct professor at the Norwegian technical university in Norway. She holds a PhD in Civil engineering with focus on urban water infrastructure asset management. She has coordinated the H2020 STOP-IT project (<https://stop-it-project.eu/>), leader of the work package dealing with cybersecurity in the H2020 Digital Water project (<https://www.digital-water.city/>) and with the development of a "water smartness" assessment framework in the H2020 B-WaterSmart project (<https://b-watersmart.eu/>). She is project manager for SINTEF of several projects related to urban water infrastructure asset management, with focus on condition assessment, reliability analysis, rehabilitation, digital transition, investment planning and sustainable development. She covers the role of co-leader of the Water Europe (<https://watereurope.eu/>) cluster "Digital Water" and of the action



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group "critical infrastructure protection" of the ICT4Water Cluster (<https://ict4water.eu/>). Rita is Associate Editor of the "Urban Water Journal" and member of the CERIS Expert group FCT/INFRA.

The ECSCI workshop session on the afternoon of the 20th September 2023 will include the participation of the following projects:

AI4CYBER: Fighting AI-powered cyberattacks with new AI technologies



AI4CYBER

Presenter: Angeliki Tsanta,
EOS

Website: <https://ai4cyber.eu/>

AI4CYBER ambitions to provide an Ecosystem Framework of next-generation trustworthy cybersecurity services that leverage AI and Big Data technologies to support system developers and operators in effectively managing robustness, resilience, and dynamic response against advanced and AI-powered cyberattacks. The project will deliver a new breed of AI-driven software robustness and security testing services that significantly facilitates the testing experts work, through smarter flaw identification and code fixing automation. Moreover, the project will provide cybersecurity services for comprehension, detection and analysis of AI-powered attacks to prepare the critical systems to be resilient against them.

APPRAISE: Enhancing collaboration to predict and prevent terrorist acts



APPRAISE

Facilitating public & private security operators to mitigate terrorism scenarios against soft targets

Presenter: Anastasios Dimou
- CERTH

Website: <https://appraise->

h2020.eu/



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APPRAISE will build on the latest advances in big data analysis, artificial intelligence, and advanced visualisation by creating a robust security framework that will improve both the cyber and physical security and safety of public spaces.

ATLANTIS: Improved Resilience of Critical Infrastructures Against Large Scale Transnational and Systemic Risks

ATLANTIS

Presenter: Gabriele Giunta,
Engineering (ENG)

Website:

[https://www.atlantis-](https://www.atlantis-horizon.eu/)

[horizon.eu/](https://www.atlantis-horizon.eu/)

European Critical Infrastructures (ECI) are increasingly becoming the targets of new categories of hybrid threats and attacks powered by technological innovations. However, limited research has been conducted on large scale, transnational, and cross-domain coordinated attacks. More importantly, large-scale vulnerability assessment and systemic risks analysis of ECI, considering the risks derived by major man-made or natural hazards and complex Cyber-Physical-Human (CPH) threats as well as consequences of the entire system collapse, have never been addressed before. A fundamental challenge to governing systemic risks is to understand the system as a complex network of individual and institutional actors with different and often conflicting interests, values, and worldviews.

ATLANTIS evaluates and addresses systemic risks against major natural hazards and complex attacks that could potentially disrupt vital functions of the European society. The mission of ATLANTIS is to improve the resilience of the interconnected ECI exposed to ever evolving, existing and emerging, large-scale, combined, CPH threats and hazards. By providing future-proof, sustainable security solutions,



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ATLANTIS supports public and private actors in guaranteeing continuity of vital operations while minimizing cascading effects in the infrastructure itself, the environment, other CIs, and the involved population.

CybAlliance: International Alliance for Strengthening Cybersecurity and Privacy in Healthcare



CybAlliance
Healthcare Security & Privacy

Presenter: Sandeep
Pirbhulal, Norwegian
Computing Center

Website: <https://cyballiance.nr.no/>

The CybAlliance project aims to develop an international alliance between top-notch Norwegian, German, French and American institutions with world-class research and education facilities to strengthen cybersecurity and privacy in healthcare. CybAlliance is the dynamic collaboration between research institutes, universities, and hospitals for excellent education, research, and innovation activities in offering efficient security and privacy solutions by observing real-world health sector challenges. CybAlliance enhances healthcare security and privacy competence by boosting international collaboration in research and education strategies with both short-term and long-term impacts.

CyberSEAS: Cyber Securing Energy Data Services



CyberSEAS

Presenter: Paolo Roccetti,
Engineering (ENG)

Website: <https://cyberseas.eu/>

The CyberSEAS project is a European Union funded collaborative project improving the cyber security of the European



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electrical power energy systems (EPES). CyberSEAS (Cyber Securing Energy dAta Services) aims to improve the overall resilience of energy supply chains, protecting them from disruptions that exploit the enhanced interactions, the extended involvement models of stakeholders and consumers as channels for complex cyber-attacks, the presence of legacy systems and the increasing connectivity of energy infrastructures, data stores, and services retailers.

DYNABIC: Reinforcing European critical services against advanced cyber-physical threats



DYNABIC

Presenter: Ioan Constantin,
Orange Romania

Website: <https://dynabic.eu/>

DYNABIC will increase the resilience and business continuity capabilities of European critical services in the face of advanced cyber-physical

threats. This objective will be pursued by delivering new socio-technical methods, models and tools to support resilience through holistic business continuity risk management and control in operation, and dynamic adaptation of responses at multiple planes of action: system, human and organization planes.

EU-HYBNET: Empowering a Pan-European Network to Counter Hybrid Threats



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Presenter: Päivi Mattila, Laurea

Website: <https://euhybnet.eu>

EU-HYBNET is a five-year project (2020-2025) funded by the European Commission (No. 883054). The EU-HYBNET is a Pan-

European network of security practitioners, stakeholders, academics, industry players, and SME actors across EU collaborating with each other in ever increasing numbers to counter hybrid threats. EU-HYBNET aims to build an empowered, sustainable network beyond the scope of the project through its on-going association with a key partner, The European Centre of Excellence for Countering Hybrid Threats (HCoE).

eFORT: Making European power grids more resilient and secure



Presenter: Esteban Damian Gutierrez Mlot, CIRCE

Website: <https://efort-project.eu/>

The main objective of eFORT is to make European power grids more resilient and reliable. To this end, a set of technological innovations will be developed for the detection, prevention and mitigation of risks and vulnerabilities with positive impacts on power system operation and stability. The eFORT solutions will be demonstrated at different levels, considering grid operators from different levels. The demonstration will take place at the end of the project in 4 real demonstration grids that are complementarities to tackle the main threats of current European power systems. These demonstrators are distributed also geographically, being Spain, the Netherlands, Italy, and Ukraine the countries where the demos are located.



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IRIS: artificial Intelligence threat Reporting and Incident response System

Presenter: Sofia Tsekeridou, Netcompany, Intrasoft

Website: <https://www.iris-h2020.eu/>

The H2020 IRIS project is an EU-funded R&D project with the vision to advance the MeliCERTes 2 platform into a distributed ecosystem for both CERTs/CSIRTs and Critical Infrastructure Operators with extended functions for assessing, detecting, responding to and sharing CTI information, even in cross-border contexts, regarding cyber-attacks/threats & vulnerabilities of IoT and AI-driven ICT systems, operational at diverse Critical Infrastructures such as Energy, Smart City, or Transport ones. Its utmost aim is to minimise the impact of cybersecurity and privacy risks as well as threats introduced by cyber-physical vulnerabilities in IoT platforms and adversarial attacks on AI-driven platforms. The IRIS solution will be demonstrated and validated in 3 real-life operational environments with the engagement of 3 smart cities/Critical Infrastructures (Helsinki, Tallinn and Barcelona) and the involvement of national CERTs/CSIRTs, and cybersecurity authorities.

PRAETORIAN: Protection of Critical Infrastructures from advanced combined cyber and physical threats



Presenter: Lazaros Papadopoulos,
National Technical University of
Athens

Website: <https://praetorian->

[h2020.eu/](https://www.iris-h2020.eu/)



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PRAETORIAN strategic goal is to increase the security and resilience of European Critical Infrastructures, facilitating the coordinated protection of interrelated CIs against combined physical and cyber threats. PRAETORIAN tackles human-made cyber and physical attacks and addresses how an incident in a specific CI can jeopardize the normal operation of other interrelated CIs, and how to make all of them more resilient, by proposing a unified response among them and assisting First Responder teams.

PRECINCT: Cascading cyber-physical threats and effects

Presenter: Kevin Flemming, ICP (PRECINCT Coordinator)

Website: <https://www.precinct.info/en/>



PRECINCT

The PRECINCT project will provide a model-driven collaborative and unifying cyber-physical security and resilience management platform for smart resilient PRECINCTs, leveraging advances from CIP and INFRA-01

projects, as well as the extensive body of work in Urban and Critical Infrastructure protection and resilience management (RESILENS, DRIVER, RESOLUTE thus exploiting, evolving and embodying key outputs and knowledge gained into the PRECINCT models and services.

SUNRISE: Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic-Stricken Europe



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Presenter: Pablo de Juan Fidalgo, ATOS

Website: <https://sunrise-europe.eu/>

SUNRISE project aims to ensure greater availability, reliability and continuity of critical infrastructures in Europe including transport, energy, water and healthcare.

Day 2:

Keynote speech

Sebastian Serwiak

Policy Officer at DG Home (European Commission)



Sebastian Serwiak is the Policy Officer at The Directorate-General for Migration and Home Affairs specialising in the area of Fighting Crime and Terrorism and Critical Infrastructure Resilience. He has a long-lasting experience in security research at both national and European dimension. With background of almost 20 years

of police service, he was involved in the EU Framework Programmes since 2004 and co-shaped national security research system as Director of the Department of Public Security of the Polish Ministry of Interior, and lately as Deputy Director of the National Contact Point for Research Programmes of the EU.



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Roundtable 2: Current market solutions and practitioners needs

Chair of the roundtable: Paolo Venturoni

CEO at European Organisation for Security



Paolo Venturoni is the Chief Executive Officer of the European Organization for Security (EOS), a Brussels-based association that represents the European security industry and research community.

Paolo started his career in the IT sector and then worked for several years to corporate development assignments in Europe, North and South America. Based in Brussels since 2002, Paolo was the director of the Brussels office of a major European aerospace and defense concern dealing with EU and NATO affairs, and from 2017 he leads the European Organisation for Security.

He obtained an MBA from Columbia University in New York and graduated in Physics from the University of Rome.

Nicolas Garcia

Vice President Marketing and Sales Enablement for Corporate Identity at Idemia



Nicolas is the Vice President Marketing and Sales Enablement for Corporate Identity in IDEMIA. He first moved to South Africa at the beginning of 2000s where he worked as IT Manager for the French Embassy's Trade Commission Africa. In 2004, he joined IDEMIA then known as SAGEM South Africa as employee n#2. Through almost 18years, Nicolas held several leadership roles such as Technical Manager, Sales and Operations Manager, and



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Regional BU Director, where he developed IDEMIA South Africa's biometric terminals business. In 2019, he continued to lead the business as VP of Sales from Abu Dhabi, UAE, in the newly formed MEA regions. In 2023, Nicolas took over the role of VP of Marketing & Sales Enablement for the Corporate ID Business Line. Expert in biometric technologies, Nicolas also penned a book explaining the technology terms to the most neophyte. Nicolas is married with three children and currently based in Paris, France.

Danai Kazantzidou-Firtinidou

Research Associate at KEMEA



Danai Kazantzidou-Firtinidou (MSc) is a Civil Engineer (NTUA, Greece) with MSc in Earthquake Engineering (IUSS Pavia, Univ. of Patras). The past 6 years she works as Research Associate at the Center for Security Studies (Ministry of Citizen Protection) in Greece, where she is involved in projects related with natural hazards, civil protection and critical infrastructures protection. She has more than 10 years of research experience

with participation in several European and national funded programs in Greece and other European countries, focusing on the scientific support of civil protection, disaster risk management (DRM) studies and critical infrastructure protection (CIP) activities and has worked as DRM consultant at the World Bank. More specifically, she has served as officer at the pilot Coordination Center for CIP in Greece, and she is experienced in the development of scientific-evidenced policies, planning, conduct and evaluation of multi-organizations exercises. She has moreover conducted several technical post-earthquake visits, studies of seismic vulnerability and risk and has contributed as national expert in risk assessment projects in Greece, Cyprus, Italy and



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Switzerland. She has more than 15 scientific publications in peer reviewed journals and international conferences.

Stefano Sebastio

R&D Manager in Cybersecurity at Collins Aerospace Applied Research and Technology

Stefano Sebastio, PhD is part of Collins Aerospace an RTX business and company leader in technologically advanced and intelligent solutions for the global aerospace and defense industry. Collins Aerospace has the capabilities, comprehensive portfolio, and expertise to solve customers' toughest challenges and to meet the demands of a rapidly evolving global market.



Stefano is a Senior R&D Manager in Cybersecurity at Collins Aerospace Applied Research and Technology (ART), located in Cork, Ireland with a team geographically distributed across the US, Ireland and Italy aiming at developing novel technologies to protect connected products and aviation systems to assure the data security, safety, and operational continuity of our customers. By placing security as an enabler for disruptive transformation in the aviation sector, the team designs solutions to assure runtime integrity of the system operations, to protect and control the exchange of shared sensitive data in connected environment, to proactively eliminate vulnerabilities at design time, and to ensure resilience and availability of critical systems.

Tim H. Stelkens-Kobsch

Aviation Security Researcher at DLR



This project has received funding from the European Union's Horizon Europe research and innovation programme under the grant agreement No 101073878.



Tim H. Stelkens-Kobsch received his diploma in aeronautical engineering from the University of Braunschweig in 2001, where he continued scientific activities as researcher and teaching assistant for Air Traffic Management. In 2010 he joined the DLR's Institute of Flight Guidance in Braunschweig. Within the DLR he works on Aviation Security, Critical Infrastructure Protection and ATM-Simulation, and is responsible for the Generic Cockpit Simulator (GECO). He headed several validations regarding Air Traffic Management (e.g., FP7 project GAMMA), Aviation Security (e.g., H2020 project SATIE) and Critical Infrastructure Protection (H2020 project PRAETORIAN) and has high experience in coordination of international projects.

EU CIP Impact on Innovation – John Soldatos

Honorary Research Fellow at the University of Glasgow



John Soldatos holds a PhD in Electrical & Computer Engineering from the National Technical University of Athens (2000) and is currently Honorary Research Fellow at the University of Glasgow, UK (2014-present). He was Associate Professor and Head of the Internet of Things (IoT) Group at the Athens Information Technology (AIT), Greece (2006–2019), and Adjunct Professor at the Carnegie Mellon University, Pittsburgh, PA (2007–2010). He has significant experience in working closely with large multi-national industries (e.g., IBM Hellas, INTRACOM S.A, INTRASOFT International, Netcompany, Expertise France) as R&D consultant, business consultant, and innovation delivery specialist, while being scientific advisor to high-tech start-up enterprises, such as Innov-Acts Limited (Nicosia, Cyprus) (2017-present). Dr. Soldatos is an expert in Internet-of-Things (IoT) and Artificial Intelligence (AI) technologies and



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applications, including applications in smart cities, finance, industry, and security. Dr. Soldatos has played a leading role in the successful delivery of more than seventy-five (commercial-industrial, research, and business consulting) projects, for both private & public sector organizations. He is co-founder of the open-source platform OpenIoT. He has published more than 200 articles in international journals, books, and conference proceedings. He has also significant academic teaching experience, along with experience in executive education and corporate training. Moreover, he has served in various standardization working groups, expert groups, and various boards of associations and think tanks. He has recently co-edited and co-authored nine edited volumes (books) on Artificial Intelligence, Internet of Things, Security and Critical Infrastructure Protection related themes.

Other participating organisations



Representatives from **Critical Infrastructure Protection & Resilience Europe** (<https://www.cipre-expo.com/>) will attend the EU-CIP/ECSCI conference with a tabletop providing participants with

information on the Conference which bring together leading stakeholders from industry, operators, agencies, and governments to collaborate on securing Europe.

The Conference will be held on 3-4 October 2023 at the Ministry of Industry & Trade Buildings, Political Prisoners 931, Prague, Czech



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Republic. You can find more information [here](#) and the preliminary conference guide [here](#).

PRAETORIAN

The EU-CIP Annual Conference will take place as a joint event together with the ECSCI Cluster 2023 workshop (20-21/09/2023) and the **PRAETORIAN Final Conference** (22/09/2023).



More information on this conference can be found [here](#).

Next EU-CIP activities

Knowledge Hub Launch: The first release of the Hub is expected by the end of September 2023!



A key objective for the EU-CIP project is to establish a Knowledge Hub as a cornerstone of a pan-European ecosystem of CIP/CIR stakeholders. This Hub will facilitate stakeholders' access to the knowledge, results, services, and infrastructures developed by the project, as well as their engagement with innovation development and policy making outcomes of EU initiatives (e.g., research projects, technology initiatives, policy making initiatives).

For the pre-registration for the EU-CIP knowledge Hub, please use the QR Code above.



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First webinar of the commercialization training for the EU-CIP project – given by ICP. The webinar will be held online on:

Wednesday 11/10/2023 3 pm CET

The link will be emailed to registered participants closer to the event.

- Unveiling the commercialization process and its significance.
- Emphasizing the role of market assessment and problem definition.
- Showcasing the power of innovation in addressing market demands.



To participate, please use the QR code above.



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EU-CIP 1st Annual Conference Feedback Form



**For more news and project activities, you can visit our
website!**



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