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Keynote 1: A multilayer approach in the AI cybersecurity

14:45 - 15:45, Day 1,

Chair: Sarandis Mitropoulos, Ionian University,
Conference Room: (Main Amphitheatre-MA)

Nineta Polemi, Professor, University of Piraeus, GR

Abstract: Various standards are being developed by numerous bodies – such as the European Telecommunications Standards Institute (ETSI), the European Committee for Standardization, the International Organization for Standardization (ISO), the National Institute for Standards and Technology (NIST), the Institute of Electrical and Electronics Engineers (IEEE) and the Open Web Application Security Project – along with recommendations and white papers by cybersecurity organisations – such as ENISA, the European Union Agency for Law Enforcement Cooperation, the European Defence Agency, the European Cyber Security Organisation and the Centre for European Policy Studies (CEPS) – and international bodies such as the OECD and the UN. These provide policy and technical measures (design principles, integration platforms, test cases), practices and further research needed to secure AI products (e.g., software, hardware, systems, services) and ensure their human-centric design.

Numerous existing traditional cybersecurity practices and solutions (methodologies, tools, recommendations) can be used to guide AI stakeholders in undertaking appropriate traditional controls. These good practices are presented in different documents which address various layers of the ICT environments (e.g., physical, network, informatics, data, services) that host AI products, making it difficult for the AI stakeholders to determine the ones appropriate for their environment. Furthermore, the dynamic nature of AI imposes some open issues and additional cybersecurity measures required in undertaking additional effective measures. Additional cybersecurity practices are also needed when AI products target a specific economic sector (e.g. health, energy, automotive) to meet sectoral security requirements. Finally, further research activities are needed to enforce the resilience and security of the AI-based products.

General Session: On-going projects and considerations I

16:15 - 17:55, Day 1,

Chair: Dimitrios Kallergis, University of West Attica,
Conference Room: (Main Amphitheatre-MA)

Enhancing Human Factors in Cybersecurity Training and Ensuring AI Trustworthiness

Dr Kitty Kioskli, CEO & Co-founder at trustilio BV & Research Fellow at the University of Essex...N/A

Par-ICT CENG: Enhancing ICT research infrastructure in Central Greece to enable processing of Big data from sensor stream, multimedia content, and complex mathematical modeling and simulations

Athanasios Kakarountas, Associate Professor, Dpt. of Computer Science and Biomedical Informatics, University of Thessaly...N/A

ERMIS – Smart digital applications and tools for the effective promotion and highlighting of the biodiversity of the Ionian Islands”, results and challenges

George Voutos, MSc, PhD, Ionian University...N/A

MELTOPENLAB Project Panos Filippopoulos, University of Peloponnese, Greece...N/A

Session A1: Innovations in eHealth and Medical Devices

18:00 - 19:15, Day 1,

Chairs: Athanasios Kakarountas, University of Thessaly,
(Conference Room: MA)

Feasibility of an mHealth closed-loop system for the optimization of Parkinson's disease treatment
Dimitris Gatsios, Georgios Rigas, Georgios Bourazanis and Spyridon Konitsiotis...1

Real-Time Brain-Computer Interface Control of a Wheelchair Using Motor Imagery Commands
Kosmas Glavas, Georgios Prapas, Aimilia Ntetska, Pinelopi Adamakidou, Pantelis Angelidis and Markos Tsipouras...5

A Comparative Testing of Yolov8-based algorithm for cancer biopsy images: Case study on Pannuke pan-cancer dataset
Panagiotis N. Smyrlis, Odysseas Tsakai, Konstantinos Vogklis, Nikolaos Giannakeas, George Fragulis and Markos Tsipouras...10

Brain-de-fer A brain-computer interface game for mind contest
Konstantinos Georgitsaros, Konstantinos Palegkas, Pantelis Angelidis and Markos Tsipouras...15

Session B1: Smart agricultural and environmental technologies

18:00 - 19:15, Day 1,

Chairs: Panagiotis Philippopoulos, University of Peloponnese,
(Conference Room: 001)

Supervisors for Gas Compressor Stations with Compression and Valve Faults
Dimitrios Fragkoulis, Fotis Koumboulis, Nikolaos Kouvakas and Antonios Menexis...22

TinyML-based Event Detection: An Edge-Cloud Approach for Smart Agriculture over LoRa WSNs
Aristeidis Karras, Christos Karras, Anastasios Giannaros, Konstantinos Giotopoulos, Dimitrios Tsolis, Konstantinos Oikonomou and Spyros Sioutas...28

Ship Engine Data Analysis for the Application of Machine Learning Algorithms
Theodoros Dimitriou, Emmanouil Skondras, Christos Hitiris, Cleopatra Gkola, Ioannis S. Papapanagiotou, Dimitrios J. Vergados, Constantinos Vergopoulos, Stratos Koumantakis, Angelos Michalas and Dimitrios D. Vergados...38

Acceleration of GANs for Potato Crop Disease Identification via FPGA
Theodora Sanida, Argyrios Sideris, Maria Vasiliki Sanida, Michael Dossis and Minas Dasygenis (remote presentation)...44

An Efficiency CNN Solution for Olive Disease Management Through FPGA
Theodora Sanida, Argyrios Sideris, Maria Vasiliki Sanida, Michael Dossis and Minas Dasygenis (remote presentation)...48

Session A2: Artificial intelligent technologies

09:00 - 10:15, Day 2,

Chair: Georgios Drakopoulos, Ionian University,
(Conference Room: MA)

Q-Delegation: VNF Load Balancing through Reinforcement Learning-Based Packet Delegation
Alexandros Zervopoulos, Luís Miguel Campos and Konstantinos Oikonomou...52

Cognitive Email Analysis with Automated Decision Support for Business Email Compromise Prevention
Anastasios Papathanasiou, Georgios Germanos, Nicholas Kolokotronis and Euripidis Glavas...58

Higher Order Probabilistic Analysis Of Network Trajectories Of Intelligent Agents In Thespian
Georgios Drakopoulos and Phivos Mylonas...63

Session B2 (SS1): Technologies Essentials in Education

09:00 - 10:15, Day 2,

Chairs: Theodoros Karvounidis, University of Piraeus
Eleni Seralidou, University of Piraeus,
(Conference Room: 002)

Stimulating primary school students' interest in Data Structures through ESA's Astro Pi challenges
Athanasios Karakostas and Akrivi Vlachou...70

Teachers' Evaluation of 3D Design and 3D Printing Activities in Secondary Education
Eleni Seralidou, Theodoros Karvounidis and Christos Douligeris...76

Nanotechnology as a Tool for Computational Thinking Skills using Open Hardware, Embedded Systems
and Repository Platform, in Industry 4.0 Era
Konstantinos Kalovrektis, Ioannis Dimos, Apostolos Xenakis and Athanasios Kakarountas...83

"Athens Museum Explorer": A pilot application of cultural proposals for a smart city
Anastasia Gasidou, Dimitrios Kotsifakos and Christos Douligeris...89

Precision education through the eyes of humanistic teaching in the L2 classroom
Ioanna Moustaka, Spyridon Doukakis and Marina Mattheoudakis...96

Keynote 2:

**Networked Cyber-Physical-Social-Systems enabling Smart Internet of Things:
A Theoretical yet Pragmatic Approach**

10:20 - 11:20, Day 2,

Chair: Christos Douligeris, University of Piraeus,
Conference Room: (Main Aphitheater-MA)

General Session: On-going projects and considerations II

11:50 - 13:30, Day 2,

Chair: Theodoros Karvounidis, University of Piraeus, GR,

Conference Room: (Main Amphitheatre MA)

VOXreality: Voice driven interaction in XR spaces, Olga Chatzifoti, Spyros Borotis (Maggioli)...N/A

AI4Gov: Trusted AI for Transparent Public Governance fostering Democratic Values , Sotiris Athanasopoulos and Spyros Borotis (Maggioli)...N/A

REWIRE – Cybersecurity Skills Alliance – a New Vision for Europe

Pinelopi Kyranoudi, PhDc, Technical University of Crete...N/A

CyberSecPro – a Collaborative, Multi-modal and Agile Professional Cybersecurity Training Program for A Skilled Workforce In the European Digital Single Market and Industries

Pinelopi Kyranoudi, PhDc, Technical University of Crete...N/A

CHAISE: Empowering Europe with Blockchain Skills

Dimitrios Kotsifakos, University of Piraeus and KEK Aegaleo, Greece...N/A

Industrial PhD in Computer and Telecommunications Sciences

Prof. Chrysostomos Stylios, Scientific Coordinator, Department of Informatics & Telecommunications, University of Ioannina...N/A

Session A3: Security and Reliability

14:30 - 15:45, Day 2,

Chairs: Daniele Rossi, University of Pisa, Italy,

Vasileios Tenentes: University of Ioannina,

(Conference Room: MA)

Cybersecurity and Democracy: A Review

Fotios Roumpies and Athanasios Kakarountas...102

Access to personal data is still tempting for mobile apps even after the GDPR implementation

Gerasimos Magoulas and Spyros Polykalas...110

Reliability Analysis of Fault Tolerant Memory Systems

Yagmur Yigit, Leandros Maglaras, Mohamed Amine Ferrag, Naghmeh Moradpoor and Giorgos Lambropoulos...116

Accelerate Processing of Image with the Keccak-512 Algorithm on Cryptoprocessor

Argyrios Sideris, Theodora Sanida, Maria Vasiliki Sanida, Michael Dossis and Minas Dasygenis (remote presentation)...122

Session B3 (SS2): Teaching and Learning in VET Laboratories

14:30 - 15:45, Day 2, Chairs: Kotsifakos Dimitrios, Department of Informatics, University of Piraeus
Dimitrios Magetos , Department of Informatics, University of Piraeus, GR, (Conference Room: 002)

A Leveraging Matterport for Industry-Focused Mobile Applications: Augmented Reality Training for Vocational Education and Training

Dimitrios Kiriakos, Dimitrios Kotsifakos and Yannis Psaromiligkos...126

Optimizing Player Engagement in an Educational Virtual Game through Fuzzy Logic-based Challenge Adaptation

Akrivi Krouska, Christos Troussas, Yorghos Voutos, Phivos Mylonas and Cleo Sgouropoulou...133

"Technician of Refrigeration, Ventilation, and Air Conditioning Installations": A New Approach of the Modern Curricula in the Mechanical Sector of the 3rd Class of the Vocational School

Konstantinos Korakis and Michael Dossis...139

Educational Virtual Worlds for Vocational Education and Training Laboratories

Dimitrios Magetos, Dimitrios Kotsifakos and Christos Douligeris...145

Session A4: Networking and Communications

16:15 - 17:30, Day 2,
Chairs: Dimitrios Kallergis, University of West Attica,
(Conference Room: MA)

Area Allocation for Electric Vehicle Coverage Path Planning

Nikolaos Baras, Antonios Chatzisavvas, Dimitris Ziouzos, Ioannis Vanidis and Minas Dasygenis ...151

Modeling Network Traffic and Exploring Distribution Fitting: A Case Study on the Spotify

Odysseas Karadimas, Aikaterini Florou, Spiridoula V. Margariti, Eleftherios Stergiou and Chrysostomos Stylios...155

Vehicle Density in mmWave 5G V2X Highway Communication Systems: A Channel Coding Approach

Dimitrios Chatzoulis, Costas Chaikalis, Dimitrios Kosmanos, Apostolos Xenakis and Kostas Anagnostou...161

An Early Warning Opportunistic Interference Method in Tactical Voice and Data Communications

Nikiforos Kontopoulos, Dimitrios Kotsifakos and Christos Douligeris...166

Placing Multi-component Applications in the Multi-access Edge Computing

Asterios Papamichail, Athanasios Tsipis and Konstantinos Oikonomou...172

Session B4 (SS3): Securing Supply Chain Traceability Using Distributed and Embedded Security Mechanisms

16:15 - 17:30, Day 2, Chairs: Thomas Dasaklis, Hellenic Open University, Vasileios Tenentes, University of Ioannina
Georgios Spathoulas, University of Thessaly, Greece - Norwegian University of Science & Technology, Norway,
(Conference Room: 002)

Design and Evaluation of a Peripheral for Integrity Checking to Improve RAS in RISC-V Architectures
Daniele Rossi, Nicasio Canino, Stefano Di Matteo, Sergio Saponara and Vasileios Tenentes...178

Compressing time series towards lightweight integrity commitments
Aggeliki Katsika, Konstantinos Papageorgiou, Alexandros Fakis, Athanasios Kakarountas,
Fotis Andritsopoulos, Vassilis Plagianakos and Georgios Spathoulas...184

Embedded Platforms for Trusted Edge Computing towards Quality Assurance along the Supply Chain
Vasileios Tenentes, Athanasios Xynos, Christos Zonios, Asimina Koutra, Christina Dilopoulou,
Yiorgos Tsiatouhas and Daniele Rossi...191

Uninterrupted Trust: Continuous Authentication in Blockchain-Enhanced Supply Chains
Vangelis Malamas, Dimitris Koutras and Panayiotis Kotzanikolaou...197

Session A5: Hardware and emerging technologies

17:35 - 18:50, Day 2,
Chair: Michalis Psarakis, University of Piraeus,
(Conference Room: MA)

Edge Artificial Intelligence in Large-Scale IoT Systems, Applications, and Big Data Infrastructures
Aristeidis Karras, Anastasios Giannaros, Christos Karras, Konstantinos C. Giotopoulos, Dimitrios Tsolis and Spyros Sioutas...203

Synthesis-Embedded Verification
Michael Dossis...211

Study and Development of a High-Speed Fused Filament Fabrication 3D Printer
Ioannis Christodoulou, Vasiliki Alexopoulou and Angelos Markopoulos...218

Assessing Swapping Policies as a Detailed Placement Approach
Ioannis Arvanitakis, George Kranas, Michael Dossis, Antonios Dadaliaris and Athanasios Kakarountas...224

ARM64 Architecture: A Review in Virtualization Technology and Cloud Computing Maturity, in the context of Environmental Sustainability
Georgios Lambropoulos, Sarandis Mitropoulos and Christos Douligeris...230

Session B5: Social networks and Digital Health (remote presentations)

17:35 - 18:50, Day 2,

Chair: Roza Mavropodi, University of Piraeus,
(Conference Room: 002)

Efficient Categorization of Pneumonia Diagnosis Using Low-Power Embedded Devices
Theodora Sanida, Maria Vasiliki Sanida, Argyrios Sideris, Michael Dossis and Minas Dasygenis...236

The role of social media before and during a holiday travel: generational and gender differences
Ifigeneia Mylona, Dimitrios Amanatidis, Michael Dossis, Irene Kamenidou and Spyridon Mamalis...240

The role of hashtags in Social Networks: The case of social mobilization in Greece
Georgia Gioltzidou, Michael Dossis, Theodoros Chrysafis, Ifigeneia Mylona, Fotini Gioltzidou and Dimitrios Amanatidis...245

A Multi-class Classification Approach for Anemia Level Prediction with Machine Learning Models
Maria Trigka, Elias Dritsas and Phivos Mylonas...250

Recognition of Greek Orthodox Hymns Using Audio Fingerprint Techniques
Konstantinos Karasavvidis, Dimitris Kampelopoulos, Lazaros Moysis, Achilles Boursianis, Spyridon Nikolaidis, Panagiotis Sarigiannidis and Sotirios Goudos...256