

### Summary

My diverse **Technical Background** (SCADA security, Sensor Networks, Hardware reliability, and vehicular communications) in combination with my **Industrial Management and Computer Engineering Studies** provides me with a broad and mature view of technical issues.

### Personality Strengths

Fluent Communication skills, Organizational skills, Efficient in problem solving, Team worker, Creativity, Commitment to quality.

### Work Experience

**10.2021 - now De Montfort University, Leicester U.K. - School of Computer Science and Informatics**

**Professor in Cyber Security (Chair)**

- Conducting research on Cyber Security, Intrusion Detection Systems, Maturity Assessment frameworks, Authentication mechanisms, etc.
- Teaching Advanced Topics in Cybersecurity, Cyber Threat Intelligence
- Member of the Cyber Technology Institute
- Supervising PhD, M.Sc. and Final Year projects relevant to Cyber Security

**08.2020 - De Montfort University, Leicester U.K. - School of Computer Science and Informatics**

**09.2021 Associate Professor in Cyber Security**

- Conducting research on Cyber Security, defense mechanisms for Vehicular Ad Hoc Networks and SCADA systems, Assessment frameworks, etc.
- Teaching Advanced Topics in Cybersecurity, Cyber Threat Intelligence, Penetration Testing, Incident Response, etc.
- Member of the Cyber Technology Institute
- Supervising PhD, M.Sc. and Final Year projects relevant to Cyber Security

**10.2018 - De Montfort University, Leicester U.K. - School of Computer Science and Informatics**

**08.2020 Part-time Senior - Lecturer in Cyber Security**

- Conducting research on Cyber Security, SCADA systems, message dissemination in Vehicular Ad Hoc Networks, Social Networks Analysis e.t.c.
- Teaching Advanced Topics in Security, Embedded systems.
- Member of the Cyber Technology Institute.
- Supervising PhD, M.Sc. and Final Year projects relevant to Cyber Security.

**Results:** Develop and deliver novel modules, supervise efficiently student projects, manage research projects with excellent outcomes.

**03.2020 - now University of Thessaly – School of Science – Adjunct Professor**

- Teaching Computer Security Fundamentals (Postgraduate), Cryptography (Postgraduate)
- Supervise MSc student theses on topics related to cybersecurity and crypto

**01.2020 - now University of West of Attica – Department of Informatics and Computer Engineering – Adjunct Professor**

- Conducting research on Cyber Security.
- Participate in the CTF competition.
- Teaching Information Security and Cryptography (module leader) undergraduate

- Teaching Network Security Postgraduate module
  - Co-Supervise PhD. Students working on topics related to cyber security
- 09.2017 - 11.2019 Ministry of Digital Governance - Director of the National Cyber Security Authority of Greece & Director of the CyberSecurity Division**
- Organizing public sector and CNIs in terms of cyber security of systems and applications
  - Implementation the NIS and GDPR directives in the Greek Public sector
  - Securing Critical infrastructures of Greece
  - Defining minimum security requirements for CNIs
- Results:** Greece ranked 1st among 160 countries (10/2019) in the NCSI index
- 01.2017 - 09-2017 General Secretariat for Digital Policy - Ministry of Digital Policy, Telecommunications, & Information Scientific Officer**
- Penetration and development of Information and Communication Technologies (ICT) in public administration and in the areas of economic and social life of the country.
  - Enhance the efficiency of public administration, the competitiveness of the economy and improve quality of life.
- 10.2016 - 09.2017 ABMS the Open University of Switzerland - School of Business and Communication Part time Lecturer in Information & Communication Technology**
- Supervising MSc and PhD theses related to ICT
  - Teaching advanced and electronic research
- 07.2016 - 09.2018 De Montfort University, Leicester U.K. - School of Computer Science and Informatics Visiting Lecturer in Computer Science**
- Conducting research on Cyber Security, SCADA systems, message dissemination in Vehicular Ad Hoc Networks, Social Networks Analysis e.t.c.
  - Member of the Cyber Security Centre & Software Technology Research Laboratory
- 03.2015 - 06.2016 De Montfort University, Leicester U.K. - School of Computer Science and Informatics Lecturer in Computer Science**
- Conducting research on Cyber Security, SCADA systems, message dissemination in Vehicular Ad Hoc Networks, Social Networks Analysis e.t.c.
  - Teaching Advanced Topics in Security, Advanced Research Topics in Cyber Technology and Host & Network Security.
  - Member of the Cyber Security Centre & Software Technology Research Laboratory
  - Supervising PhD, M.Sc. and Final Year projects relevant to Cyber Security
- 02.2014 - 12.2014 University of Surrey, U.K.- Department of Computing Research Fellow**
- Conducting research for the FP7 program CockpitCI that focused on improving the resilience and dependability of Critical Infrastructures (CIs) by the automatic detection of cyber-threats and the sharing of real-time information about attacks among CI owners.
  - Member of Surrey Centre for Cyber Security (SCCS)
- Results:** Efficient management of the EU project CockpitCI.
- 03.2011 - MUNICIPALITY OF MYKONOS, Mykonos, Greece IT specialist**

- 01.2014**
- Management of hardware and software of the municipality.
  - Project representative of municipality in the “Pact of islands” project in terms of reduction of energy consumption in Mykonos Island and its successor “Smilegov”.
  - Member of the main team of Port of Mykonos (Municipality of Mykonos) for the FP7project “FastPass”
- Results:** Design, implementation and support of company’s Hardware and Ethernet.
- 09.2003**    **AGRICULTURAL UNION, Larissa, Greece - Computer department**  
**12-2010**    **Programmer analyst**
- Creation of databases in programming languages (progress, sql.)
  - Network implementation and administration of company’s LAN.
- Results:** Design, implementation and support of company’s databases and Ethernet.
- 09.2001**    **T.E.I. of Larissa Greece – Electrical Department.**  
**07.2007**    **Teaching associate**
- Teaching of software programming (Visual Basic, C), CAD programs (Workbench, AutoCAD, Autofine)
  - Supervisor of student theses with subjects relevant to RFID systems, Visual Basic programming and Green Houses.
- Results:** Teaching, supervising and support of students.

### Education

- 04/2016**    University of Huddersfield  
**05/2018**    PhD in Computing and Engineering  
 Thesis: “**Intrusion Detection in SCADA systems using machine learning techniques**”, supervised by Prof. Andrew Crampton
- 02/2014**    University of Surrey, United Kingdom  
**12/2014**    **Postdoc in Cyber Security of Critical Infrastructures (CIs)**
- 03/2005**    University of Thessaly (UTH), Greece  
**07/2014**    **PhD in Electrical and Computer Engineering**  
 Thesis: “**Message dissemination in Vehicular Ad-hoc networks**”, supervised by Prof. L. Tassioulas and Ass. Professor D. Katsaros
- 03/2005**    University of Thessaly (UTH), Greece  
**07/2008**    **M.Sc. In Computer Science**
- 10/2002**    University of Thessaly (UTH), Greece  
**07/2004**    **M.Sc. in Industrial Production and Management**  
 Thesis: “**Approximation Method for the estimation of throughput of Fork/Join Stations**”, supervised by Prof. G. Liberopoulos
- 10/1993**    Aristotle University of Thessaloniki (AUTH), Greece  
**07/1998**    **BSEE, M.Sc. in Electrical Engineering & Computer Science**  
 Thesis: “**Network topology, analysis reliability calculation**”, supervised by Prof. I.M. Kontoleon

## Organizations

Institute of Electrical and Electronics Engineers - **IEEE**, **Senior Member** (September 2015 to Present)

**Member of the IEEE European Public Policy Program on ICT** (January 2019 to December 2020)

**Member of the NIS Experts group** – ENISA (February 2017 to March 2021)

**Member of the ENISA NCSS expert group** (February 2019 to March 2021)

### Member of IEEE Standards Development Working Groups

[S.02] IRC WG - Industrial real-time communication working group- P61158 Standard for Industrial Hard Real-Time Communication (MAP)

**Approved standard:**61158-2017 - IEEE Standard for Industrial Hard Real-Time Communication, August 2017, DOI: [10.1109/IEEESTD.2017.8024204](https://doi.org/10.1109/IEEESTD.2017.8024204)

[S.01] EMELC-WG - Engineering Methodologies for Ethical Life-Cycle Concerns Working Group - P7000 Model Process for Addressing Ethical Concerns During System Design

## Teaching experience

### A. De Montfort University

#### A1. PostGraduate

2015 - 2022 Advanced Research Topics in Cyber Technology (**Module Leader**)

2019 - 2021 Emerging Topics in Cyber Security (**Module Leader**)

2020/2021 Penetration Testing and Incident Response (**Module Leader**)

2020/2022 Devices and Networks (**Module Leader**)

2020/2022 Cyber Threat Intel & Incident Response

2019/2020 Agile Methods and Development

2018/2019 Communications Engineering (**Module Leader**)

2018/2019 Embedded Systems (**Module Leader**)

2015/2016 Host and Network Security

2015/2016 Cyber Engineering

#### A2. Undergraduate

2015/2016 Advanced Topics in Security (**Module Leader**)

2021/2022 Cyber Threat Intelligence and Incident Response

### B. University of West of Attika

#### B.1 PostGraduate

2019/2021 Network Security

#### B.2 Undergraduate

2019/2021 Cryptography (**Module Leader**)

2019/2020 Information Security

### C. University of Thessaly

#### C1. PostGraduate

2019/2021 Computer Security Fundamentals (**Module Leader**)

2020/2021 Cryptography (**Module Leader**)

#### C2. Undergraduate

2001-2005 Circuit Analysis and Design

2002-2007 Programming with Visual Basic (**Module Leader**)

2002-2003 Electromechanical Installations

### D. Aristotle University of Thessaloniki

#### D1. Undergraduate

1999-2000 Systems Reliability

## **E. International Hellenic University**

### **E1. Undergraduate**

2000-2001 Computer Graphics

2000-2001 Computer programming II (**Module Leader**)

2000-2001 Programming methodologies

### **Participation in Ph.D. dissertation supervision**

#### **Present**

Ioannis Vourgidis, "Looking Around Corners: Making Roads Safer for the Vulnerable"

Eirini Kalaitzopoulou, "Learning Analytics in Higher Education"

Yuanchen Xu, "Rule-based business-oriented dynamic CTI"

Chandrima Rodrigo, "Human Factors in Cybersecurity"

Nestoras Chouliaras, "Building a Cyber Range for Cyber Security Research"

Vasilis Papaspirou, "Two Factor HoneyToken Authentication"

Gideon Angafor, "A Framework for Conducting Tabletop Incident Response Exercises"

Eyotor Ihama "An Autonomous Deep Learning Predictive System for the Network Attack Detection of an IoT Enabled System"

Ilias Spyridon Efthymiopoulos, "Mitre attack and defend model for apt"

#### **Past**

Mark Evans, "Methodologies for information assurance used in the public sector"

Shaimaa Nafea, "Adaptive learning management System using Ontology"

Allan Cook, "Industrial Control System Risk management", (July 2018)

Raphael Riebl, "Performance tests for Vehicular Ad Hoc Networks"

Sadir Fadhil, "Context-aware overtaking assistant system"

Dennis Bohmlander " Innovative crash-sensing architectures ", (July 2017)

Adebamigbe (Alex) Fasanmade, "Autonomous Agent Security in mobile and Wireless Network"

### **Participation in Ph.D. committees**

HAN Xiao, "Mining User Similarity in Online Social Networks: Analysis, Modeling and Applications", Telecom SudParis, 05/2015

Reza Farahbakhsh, "Profiling professional and regular users on popular Internet services based on Implementation of large scale Internet measurement tools", Telecom SudParis, 05/2015

### **M.Sc. Theses supervision**

Alexander Magkoutis, "Encryption Algorithms and Their Applications" (In Progress)

Nikhil Konduru, "Federated Deep Learning for Cybersecurity in the IoT" (09/2022)

Sai Kumar Madaram, "Malware Mitigation in Cloud Computing" (09/2022)

Metty Paul, "Digitalization of the Healthcare sector: security and privacy concerns" (09/2022)

Aleksandra Siwik, "Teacher Supply Booking System" (09/2022)

Nithish Velagala, "Advanced End to End encryption mechanisms" (05/2022)

Falguni Ketanbhai Patel, "Smart meters: security and privacy issues" (05/2022)

Maria Papathanasaki, "Modern Authentication methods", (03/2022)

Athinodoros Dousis, "Critical National Infrastructures and the NISD" (02/2021)

Vasilis Papaspirou, "Two Factor and Multi-Factor Authentication Methods" (05/2021)

George Kittes, "Cyber Ranges and Testbeds for Education, Training, and Research" (02/2021)

Lakshmi Sai Tejaswini Sarnala, "SQL injection attacks and countermeasures" (09/2020)

Santhosh Sundara Moorthy, "Cyber Security in the Banking Sector" (06/2020)

Najmudin Saqib, "Mapping of security requirements of NIS and GDPR"(04/2020)

Pooja Patoliya, "The twenty cyber security critical controls", (01/2020)

Devanshu Patel, "Social Media and other people's privacy", (10/2019)

Charnmongkol Somsup, "The ethics of automated cars", (10/2019)

Yash Soni, "Blockchain based voting system", (10/2019)

Virendra Vyas, "Cloud computing security & privacy", (10/2019)

Jacqui Cope, "A framework for minimizing Data Leakage from non Production systems", (08/2016)  
 Steve Harisson, "Security Testing Framework for an HMG Agile Software Development Project", (01/2016)  
 Nickolas Ayres, "The mimetic virus : A vector for Cyber terrorism", (09/2015)  
 Najlaa Almajed, "Prevention of crime in B2C E-Commerce", (06/2015)

***Participating/ed in European and national projects:***

1. CONCORDIA- <a href="https://www.concordia-h2020.eu/">https://www.concordia-h2020.eu/</a>	2. FLOURISH - <a href="http://flourishmobility.com">flourishmobility.com</a> [Innovate UK]
3. FastPass - <a href="http://www.fastpass-project.eu">www.fastpass-project.eu</a> [FP7]	4. Reduction - <a href="http://www.reduction-project.eu">www.reduction-project.eu</a> [FP7]
5. Pact of Islands - <a href="http://www.islepact.eu">www.islepact.eu</a> [IEE]	6. CockpitCI - <a href="http://www.cockpitci.eu">www.cockpitci.eu</a> [FP7]
7. C4C - <a href="http://www.c4c-project.eu">www.c4c-project.eu</a> [FP6]	8. Smilegov - <a href="http://www.sustainableislands.eu">www.sustainableislands.eu</a> [IEE]
9. Opthithesi – <a href="http://optithesi.webs.com">optithesi.webs.com</a>	10. VANS: Vehicular Ad-hoc Networks Security
11. MAF of HEIs – <a href="http://csma.somweb.gr">csma.somweb.gr</a> [NCSC UK]	12. Security Maturity Assessment Framework for Saudi Organizations [PSU SA]
13. Resilient Communications for autonomous transport [BA UK]	14. CyberSecPro [HE]

**CyberSecPro [HE - Col]** Its ambition is to enhance the role of the High Education Institutions (HEIs) in offering hands-on skills for driving a trustworthy digital transformation in critical sectors of economy. The enhanced HEI will arm the workforce with the necessary capabilities to address the digital challenges and develop secure and privacy aware innovative ICT and industrial products that serve people and their democratic values and rights. By establishing a unique Learning Factory, CyberSecPro will be an authentic environment to link innovation, research and SME support.

**Resilient Communications for autonomous transport [BA UK- PI]** The project will focus on securing autonomous transport. The main focus will be to adapt the SecurityOperation Center (SOC) concept for detecting, understanding, and responding to attacks on vehicles, airplanes, and vessels and connected mobility infrastructure (e.g. WiFi, 5G, etc). The project will define measurable aspects of a SOC that can be optimized during a SOC's development, exercised, and reevaluated regularly to ensure ongoing effectiveness. This will be important for manufacturers to report to authorities about their operational capabilities. Finally, the project will build more resilient communications within the automated nodes themselves, recognizing that the SOC model might be too slow to detect and react to safety-related incidents before it is too late.

**Security Maturity Assessment Framework for Saudi Organizations [PSU SA - Col].** This project aims at designing a security maturity assessment framework for organizations in Saudi Arabia. The framework can be used as a self-assessment tool by the organization in order to establish the security level and highlight the weaknesses and mitigation plans that need to be implemented. The framework will be mapping and codification tool for organizations against all regulations that the Saudi organizations must comply to (e.g. CITC's CRF or NCA's ECC).

**MAF HEI.** The project aimed at designing a cyber security maturity assessment framework for all HEIs in the UK. The framework can be used as a self-assessment tool by the HEI organization in order to establish the security level and highlight the weaknesses and mitigation plans that need to be implemented. The framework will be mapping and codification tool for HEIs against all regulations that the HEIs must comply to (GDPR, PCI DSS, DSPT etc). The framework will use 6 different levels of maturity against which the cyber security performance of each organization can be measured. The framework can also be adapted in order to be applied to other sectors, e.g. energy. The framework will be validated through 3 pilot implementations. HEIs, by using this

framework will be able to assess the security level of their organization, conduct a gap analysis and create a mitigation plan. **I am the PI for this project with total funding of 11,826 £ from NCSC UK. The project started on January of 2020 and ended on June 2020.**

**CONCORDIA** positions the CONCORDIA ecosystem, a Cybersecurity Competence Network with leading research, technology, industrial and public competences to build the European Secure, Resilient and Trusted Ecosystem, with the CODE research institute in Munich to act as the coordinating center, and ENISA as secretary. CONCORDIA will strongly liaise with ENISA to leverage its expertise and knowledge with ENISA being the interface to other cybersecurity actors and networks within the EU institutional framework and with established industry networks in the private sector, and playing the role of a secretariat (in a similar fashion to the way it offers secretariat functions to the CSIRT Network). Munich, as decided by the EC to be Europe's top technology hub, gives the perfect ICT environment for CODE to be central hub of the network. **I am the PI for this project with total funding of 15,998,737.50 € euros, GSDP gained EU funding of 100.000,00 euros. The project will start at 1.1.2019 and lasts for 4 years.**

By adopting a user-centred approach, [FLOURISH](#) achieved a better understanding of consumer demands and expectations, including the implications and challenges of an ageing society. FLOURISH addressed vulnerabilities in the technology powering CAVs, with a focus on the critical areas of cyber security and wireless communications. The project was trialled in the Bristol and South Gloucestershire region and is part funded from the Government's £100 million Intelligent Mobility Fund, which is administered by the Centre for Connected and Autonomous Vehicles (CCAV) and delivered by the UK's Innovation Agency, Innovate UK. DMU is a subcontractor for the task of identification of security breaches in the network through anomaly detection and pattern recognition methods. For this task that lasted from September of 2018 to May of 2019 DMU gained 80.000£.

[FastPass](#) established and demonstrated a harmonized, modular approach for Automated Border Control (ABC) gates. FastPass brought together key players of the entire ABC value chain - system and component producers, research institutions, governmental authorities and end-users. **I was member of the main team of Port of Mykonos (Municipality of Mykonos) participating in the EU FP7 project Fastpass. For this project with total funding of 22,287,715.05 euros, Port of Mykonos gained EU funding of 87250,00 euros. The project started at 1.1.2013 and it lasts for 4 years.**

[Reduction](#) followed an interdisciplinary approach bringing together expertise from several communities, such as: Data collection and management, which develop the mechanisms for handling the large volumes of streaming data; Data Mining/Machine Learning, which are responsible for developing decentralized algorithms for predictive analytics; Wireless Networks, for developing protocols for effective vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications; Vehicle electronics, which develop the on board computing and sensor devices; Transportation engineering, which are involved in the evaluation of the system and the data generated during the field-trials.

[ISLE-PACT](#) was committed to developing Local Sustainable Energy Action Plans and a pipeline of bankable projects with the aim of meeting or exceeding the EU sustainability target of reducing CO2 emissions by at least 20% by the year 2020. The project's duration was 34 months, 1 February 2010 – 30 November 2012.

[CockpitCI](#) aimed to improve the resilience and dependability of Critical Infrastructures (CIs) by the automatic detection of cyber-threats and the sharing of real-time information about attacks among CI owners. CockpitCI aimed to identify, in real time, the CI functionalities impacted by cyber-attacks and assess the degradation of CI delivered services. CockpitCI aimed to classify the associated risk level, broadcast an alert at different security levels and activate a strategy of containment of the possible consequences of cyber-attacks. CockpitCI aimed to leverage the ability of field equipment to counteract cyber-attacks by deploying preservation and shielding strategies able to guarantee the required safety



[C4C](#) aimed at developing control for coordination of distributed systems for five case studies with respect to control theory, communication networks and computation. Impacts were envisioned on environmental quality, transportation, and on the markets of new technology in the EU countries.

[Smilegov](#) was built on the idea that cooperation between different levels of governance of islands (i.e. National, regional, local) can have a key role to play towards reaching the 20-20-20 EU goals in the area of energy and climate change. SMILEGOV, based on success stories and close European cooperation will strengthen local capacity and work towards the improvement of multilevel cooperation in European islands aiming to facilitate the implementation of their Sustainable Energy Action Plans towards the EU 20-20-20 goals.

[Optithesi](#)'s basic scopes were to investigate the optimization and the prediction of the dielectric behavior of especially air gaps, based on the effects of Ground, Corona Current, and Barrier, and the use of theoretical and simulation analysis. To reform the Corona Current Rule, concerning the Corona Current Effect and the effort to advance it in to a theorem after it is mathematically proven.

**VANS: Vehicular Ad-hoc Networks Security.** The project was funded from GCHQ. Based on researchers previous work the project sought to establish collaboration in order to develop new security mechanisms, targeted at the next generation vehicles. Dr. Maglaras in DMU and the ACE-CSR team at Surrey led by Dr. Moschoyiannis, collaborated on this project. Total funding 2100£.

#### ***Member of the editorial board:***

- Access ([IEEE](#))
- ICT-Express ([Elsevier](#)) - **Executive Editor**
- Array ([Elsevier](#))
- Computers ([MDPI](#)) - **Section Editor in Chief**
- Computer Science ([Peerj](#))
- Continuity & Resilience Review ([Emerald](#))
- Journal of Information Processing Systems ([JIPS](#))
- Security and Communication Networks ([Hindawi- Wiley](#))
- Journal for Computer science, Artificial intelligence and robotics ([IntechOpen](#)) - **Area Editor of Communications and Security**
- Transactions on Security and Safety ([EAI](#)) – Co-Editor in Chief (2016-2019)
- International Journal of Internet Technology and Secured Transactions([Inderscience](#))
- Transactions on Industrial Networks and Intelligent Systems ([EAI](#))
- Transactions on e-Learning ([EAI](#))
- International Journal of Network Security & Its Applications ([IJNSA](#))
- International Journal of Vehicular Telematics and Infotainment Systems ([IJVTIS](#))

#### ***Conference Organisation***

- **Steering committee**, CyberSecurity for Critical Assets Europe (CS4CA Europe 2021)
- **Workshop Co-Chair**: Maritime Cyber Security in conjunction with the IEEE Cyber Security and Resilience conference (MCS 2022, MCS 2021)
- **General co-Chair**, 6<sup>th</sup> International Symposium for [ICS & SCADA Cyber Security](#), 11-12 September 2019, Athens
- **Track Chair**: Cyber Security and Privacy in International Conference on Internet of Things and Intelligent Applications (ITIA 2022)
- **Track Co-Chair**, "[Security](#)", First International Conference of Smart Systems and Emerging Technologies (SmartTech'20), Riyadh-Saudi Arabia, November 3-5, 2020
- **Session Co-chair**: [Automation Systems and Critical Infrastructures](#), 16th IEEE International Conference on Factory Communication Systems, 27-29/04/2020, Porto, Portugal



- **Session Chair:** Machine learning security I, ESORICS 2020, Surrey, UK
- **Session Chair:** Encryption 1, ESORICS 2021, ATHENE, DE
- **Track co-Chair,** [Automotive CE Applications \(CEA\)](#), IEEE ICCE, Jan. 11-13 2019, Las Vegas, USA.
- **Special Session Co-Chair:** Cyber Security of Critical Infrastructures in the 24th Pan-Hellenic Conference on Informatics (2020)
- **Special Session Co-Chair:** Cyber Security of Critical Infrastructures in the 25th Pan-Hellenic Conference on Informatics (2021)
- **Publicity co-Chair,** 22nd Conference on Innovation in Clouds, Internet and Networks ([ICIN 2019](#)), February 19-21, Paris
- **Track Chair,** [Intelligent Systems](#), 32nd annual European Simulation and Modelling Conference, October 24-26, 2018, Ghent
- **Session Chair,** Cyber Security of Critical Infrastructures, [ICSIMAT 2019](#), 17-21 July 2018, Greece
- **Session Chair,** Cyber Security of Critical Infrastructures, [ICSIMAT 2018](#), 17-20 October 2018, Greece
- **Symposium Co-Chair:** Advances in Industrial Networks and Intelligent Systems ([AINIS](#)) Symposium - 13<sup>th</sup> International Wireless Communications and Mobile Computing Conference (IWCMC 2017)
- **Track Co-Chair:** Security and Trustworthy Track- 13th EAI International Conference on Collaborative Computing: Networking, Applications and Work sharing ([Collaboratecom 2017](#))
- **Track Co-Chair:** Ad hoc and Pervasive Network track- 8th International Conference on Emerging Ubiquitous Systems and Pervasive Networks ([EUSPN-2017](#))
- **Conference General Chair:** 2nd International Conference on Industrial Networks and Intelligent Systems ([INISCOM 2016](#))

## Books

[B.06] Srikanta Patnaik, Naliniprava Tripathy, Leandros Maglaras, "**Computational Finance: A Scientific Approach to Financial Analysis**", Springer, 2023

[B.05] Leandros Maglaras, Helge Janicke, Mohamed Amine Ferrag, "[Cyber Security and Critical Infrastructures](#)", MDPI AG, 2022, ISBN: 978-3-0365-4845-6

[B.04] Mohamed Amine Ferrag, Ioanna Kantzavelou, Leandros Maglaras, Helge Janicke, "**Hybrid Threats, Cyberterrorism and Cyberwarfare**", CRC Press, 2023

[B.03] Iman AlMomani, Leandros Maglaras, Mohamed Amine Ferrag, Nick Ayres, "**Cyber Malware: Offensive and Defensive systems**", Springer Nature, 2023

[B.02] Leandros Maglaras, Ioanna Kantzavelou, Mohamed Amine Ferrag, "[Cybersecurity of Critical Infrastructures](#)", MDPI AG, 2021

[B.01] Leandros Maglaras, Ioanna Kantzavelou, "[Cybersecurity Issues in Emerging Technologies](#)", CRC Press, 2021

## Edited Proceedings

[P.02] Jones, K., Janicke, H., Brandstetter, T., & Maglaras, L. A. (2019). 6th International Symposium for ICS & SCADA Cyber Security Research 2019 (ICS-CSR 2019), BCS Learning & Development, DOI: [10.14236/ewic/ICSCSR2019.0](https://doi.org/10.14236/ewic/ICSCSR2019.0)

[P.01] Maglaras, Leandros A., Helge Janicke, and Kevin Jones, eds., "**Industrial Networks and Intelligent Systems: Second International Conference, INISCOM 2016**", Leicester, UK,

## Editorials

[E.10] Leandros Maglaras, Helge Janicke, Mohamed Amine Ferrag, **"Cybersecurity of Critical Infrastructures: Challenges and Solutions"**, MDPI Sensors, 2022

[E.09] Baadr Suleman M Alwheepy, Leandros Maglaras and Nick Ayres, **"A Health-Focused Text Classification Tool (HFTCT)"**, Advances in Computer Science & Communications (2022)

[E.08] Leandros A. Maglaras, Ioanna Kantzavelou, Mohamed Amine Ferrag, **"Digital Transformation and Cyber security of Critical Infrastructures"**, Applied Sciences (MDPI), September 2021, DOI: [10.3390/app11188357](https://doi.org/10.3390/app11188357)

[E.07] Kevin Jones, Helge Janicke, Leandros Maglaras, Christos Xenakis, **"Introduction to the Special Issue on Industrial Control Systems Cyber Security"**, Journal of Information Security and Applications (Elsevier), 2020, DOI: [10.1016/j.jisa.2020.102542](https://doi.org/10.1016/j.jisa.2020.102542)

[E.06] Leandros Maglaras, Lei Shu, Athanasios Maglaras, Jianmin Jiang, Helge Janicke, Dimitrios Katsaros, Tiago J. Cruz, **"Introduction to the Special Issue on "Industrial Internet of Things (IIoT)"**, Journal of ACM/Springer Mobile Networks & Applications (MONET), Volume 23, Issue 4, August 2018, DOI: [10.1007/s11036-017-0937-3](https://doi.org/10.1007/s11036-017-0937-3)

[E.05] Leandros Maglaras, Ki-Hyung Kim, Helge Janicke, Mohamed Amine Ferrag, Artemios Voyiotzis, Athanasios Maglaras, Haewoon Nam, Pavlina Fragkuo, Tiago Cruz, **"SI: CI & Smart Grid Cyber Security"**, ICT Express, Volume 4, Issue 1, Pages 1-54, march 2018

[E.04] Sencun Zhu, Kevin Jones, Leandros Maglaras, **"Defense Mechanisms for Public Systems"**, EAI Transactions on Security and Safety, January 2018, DOI: [10.4108/eai-4-12018.153524](https://doi.org/10.4108/eai-4-12018.153524)

[E.03] Sencun Zhu, Kevin Jones, Leandros Maglaras, **"Vulnerability Analysis, Intrusion Detection and Privacy Preservation of Modern Communication Systems"**, EAI Transactions on Security and Safety, December 2017, DOI: [10.4108/eai.28-12.2017-153514](https://doi.org/10.4108/eai.28-12.2017-153514)

[E.02] Kevin Jones, Helge Janicke, Christian Facchi, Leandros Maglaras, **"Introduction to the Special Issue on ICS & SCADA Cyber Security"**, Journal of Information Security and Applications, July 2017, DOI: [10.1016/j.jisa.2017.05.009](https://doi.org/10.1016/j.jisa.2017.05.009)

[E.01] Helge Janicke, Kevin Jones, Leandros Maglaras, **"Security, Privacy and Trust in Cyber Physical Systems"**, EAI Transactions on Security and Safety, Volume 3, Issue 7, December 2016, DOI: [10.4108/eai.8-12-2016.151724](https://doi.org/10.4108/eai.8-12-2016.151724)

## Journal papers

[J.99] Giddeon Angafor, Iryna Yevseyeva, Leandros Maglaras, Ying He, **"Scenario-Based Incident Response Training: Lessons Learnt from Conducting an Experiential Learning Virtual Cyber Incident Response Tabletop Exercise"**, Information and Computer Security, Under revision

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#### Talks – Media

- [T.54] Invited Speaker, **"Cybersecurity & Sustainability"**, Global Sustainability Forum, Athens, 8

October 2021

[T.53] **Invited Speaker**, "Security and Privacy Challenges in Emerging Fog Computing applications", IEEE World Forum on Internet of Things (WF-IoT 2021)

[T.52] **Tutorial**, "[Novel Two Factor Authentication Mechanisms](#)", WiCON, 10 November 2021

[T.51] **Distinguished Speaker**, "[Novel Two Factor Authentication Mechanisms](#)", IEEE Information Theory Society, Bangalore Chapter, 8 March 2021

[T.50] [Safer wireless charging for connected electric vehicles](#), CORDIS scientific advances, January 2021

[T.49] [A novel Cybersecurity Assessment Framework \(CMAF\)](#), CONCORDIA blog, January 2021

[T.48] "[Security and Privacy Issues in Fog Computing](#)", 2nd IEEE Comsoc winter school on Fog/Edge Computing 2020, 29-30 December 2020

[T.47] "Blockchain Technology: Security and Privacy Issues", International Webinar on Blockchain Technology and Innovation in Business Process, 21 November 2020, IRNet

[T.46] [Cybersecurity and Digital Transformation](#), FOSSCOMM (Free and Open Source Software Communities Meeting) 2020, 21 – 22 November 2020

[T.45] **Interview (Elsevier)**, [Securing a dynamic wireless charging system for electric vehicles](#), June 2020

[T.44] **Opinion Paper**, "[The Current Posture of Cyber Warfare and Cyber Terrorism](#)", Global Foundation for Cyber Studies and Research, June 2020

[T.43] Session on Cybersecurity, eProfEng: "Computer Engineering Training Seminar @NTUA", 20-24 January 2020

[T.42] **Policy Paper**, "[Cyber Peacekeeping from Concept To Implementation](#)", M Robinson, K Jones, H Janicke, L Maglaras, Global Foundation for Cyber Studies and Research, September 2019

[T.41] **Tutorial**, "[Cyber security of critical infrastructures](#)", 15th EAI International Conference on Collaborative Computing: Networking, Applications and Worksharing, August 19-22, 2019, London, UK

[T.40] **Keynote Speaker**, "[Protection of Critical National Infrastructures](#)", 18th European Conference on Cyber Warfare and Security, July 4-5 2019, Coimbra

[T.39] "[The Greek NIS Law: Implementation steps and the way ahead](#)", OWASP workshop, Athens, 10 June 2019

[C.38] "[National Cyber Security Strategy](#)", 5th Risk and Business Continuity Forum, RESILIENCE DAYS, Athens, 29 May, 2019

[T.37] "[Risks, threats and challenges of Cyberspace](#)", 7th Exposec-Defenseworld Conference, 7 May 2019, Hellenic Armed Forces Officers' Club (LAED), Athens

[T.36] "[Cybersecurity posture of Greece and the NIS directive](#)", Secure Digital Government, 19 April 2019, Innovation and Best Practices Unit

[T.35] "[Critical Infrastructure Protection and the NIS Directive](#)", 6th High-level Greek Conference



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- [T.34] "[Cyber Security Strategy of Greece: they way ahead](#)", 2nd SAINT workshop, 22 March 2019, NCSR Demokritos, Institute of Informatics & Telecommunications
- [T.33] "[Protection of Critical Infrastructures - NIS directive](#)", Cyber security workshop, 20 March 2019, EKDA
- [T.32] "Paving the way to the future: government - building a national policy", Taking Cybersphere to the next level, the economist events, 18 March 2019, Frand Hyatt, Athens
- [T.31] Keynote talk, "[Dynamic Wireless Charging of Electric Vehicles on the Fly](#)", International Conference on Innovative Applied Energy (IAPE'19), 14-15 March, 2019, University of Oxford, United Kingdom
- [T.30] "[Intrusion Detection in Industrial Control Systems](#)", conference in Cybersecurity in Industry, Research Institute in Trustworthy Inter-connected Cyber-physical Systems (RITICS), 28 February 2018, Leicester, UK
- [T.29] "[National cyber/ICT security updates, threats to inter-state relations stemming from the use of ICTs and good practices for regional co-operation](#)", OSCE sub-regional training, Athens, 7-8 February 2019
- [T.28] "Cyber Security and Ethics", Hellenic Society of International Law Annual meeting, December 22 2018, Athens
- [T.27] "[European Landscape in Cybersecurity](#)", conference on Surveillance Society - From Cyber-Security to Fake News: Media, Messages, Strategies, University of Piraeus, Athens, 27 November 2018
- [T.26] "[Threats, Protection and Attribution of Cyber Attacks on National Critical Infrastructures](#)", Seminar on the new security environment and the protection of information, Ministry of Foreign Affairs, Athens, 5 November 2018
- [T.25] "[Horizontal issues in CSDP missions and operations: Cyber Security](#)", European Security & Defence College Common Security and Defence Policy (CSDP) Orientation Course, Athens, 15-19 October 2018.
- [T.24] "[Horizontal issues in CSDP missions and operations: Cyber Security](#)", European Security & Defence College Common Security and Defence Policy (CSDP) Orientation Course, Athens, 15-19 October 2018.
- [T.23] "Threats and Countermeasures": Cyber-attacks on Crucial Infrastructures", EKDA Workshop on Cyber Security and Public Administration, Athens, 24/9/2018
- [T.22] **Keynote Speaker**, "[Cyber security: From regulations\policies to practice](#)", ENISA NIS Summer School, Heraklion, 24/9/2018
- [T.21] "Cyber security: From regulations\policies to practice", Workshop ATEITHE, Thessaloniki, 2/7/2018
- [T.20] **Expert Speaker**, "[Cyber security: From regulations\policies to practice](#)", OSCE sub-regional training on the role of information and communication technologies (ICTs) in the context of regional and international security, Bucharest, 27-28/06/2018
- [T.19] "GDPR in Greece", radio 24/7, 25/05/2018

- [T.18] "[Cyber security in Greece - current situation, challenges and the way ahead](#)", ESDF 2018, Athens, 12/05/2018
- [T.17] "[Cyber Security in Greece](#)", ADAE workshop, Athens, 08/05/2018
- [T.16] "[Cyber Security in Greece](#)", OWASP workshop, Athens, 24/04/2018
- [T.15] "[Cyber Security in Greece](#)", E-government forum, Athens, 22/03/2018
- [T.14] "[Connecting Europe Facility in Greece: current and future challenges](#)", ELRC workshop, Athens, 18/10/2017
- [T.13] "[Smart Cities and digital transformation](#)", Workshop on Standards for Sustainable and Smart Cities, Athens, 13 October 2017
- [T.12] "[How To Charge Your Electric Car 'On The Fly'](#)", Brinknews, 07/04/2017
- [T.11] "Security in Cyber Physical Systems", CN Group seminar, TU WIEN, 09/01/2017
- [T.10] "Message Dissemination and Security issues in Vanets", STRL group seminar, De Montfort University, 10/2016
- [T.09] **Interview** "[Low cost architecture with M2M Communication will be the future](#)", EAI Blog, April 2016
- [T.08] "[Dynamic Wireless Charging of Vehicles En Route](#)", IEEE Transportation Electrification Community March 2016 eNewsletter
- [T.07] "[Message Dissemination and Security issues in Vanets](#)", MSF group seminar, University of Surrey, 04/2015
- [T.06] **Interview**, "[Integrated detection mechanism](#)", Electronics Letters, 2014, 50, (25), p 1890-1890, DOI: 10.149/el.2014.4062
- [T.05] "[Integrated detection mechanism](#)", Efficiency of electric grids under cyber-attacks on their SCADA workshop, Rome 16 December 2014
- [T.04] "[Integrated detection mechanism](#)", SCADA Cybersecurity workshop, Bucharest 16/09/2014
- [T.03] "[Intrusion Detection in SCADA systems - CockPitCi project](#)", WASET international Conference on Artificial Intelligence and Data Mining (ICAIDM), London, 26-27 May 2014 (Keynote speaker)
- [T.02] "[Message dissemination in vehicular ad-hoc networks](#)", MSF group seminar, University of Surrey, 05/2014
- [T.01] "[Attributes extracted from network traces](#)", 3rd CockpitCI workshop, Luxembourg, 03/2014

***Program Committee member for:***

- 26th European Symposium on Research in Computer Security (ESORICS 2021)
- The 16th International Conference on Availability, Reliability and Security (ARES 2021)
- 5th International Joint Conference on Rules and Reasoning (RuleML+RR 2021)
- 11th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH 2021)

Leandros Maglaras

- 7th IEEE World Forum on Internet of Things (WF-IoT 2021)
- 14th EAI International Wireless Internet Conference (WiCON 2021)
- 20th European Conference on Cyber Warfare and Security (ECCWS 2021)
- 10th IEEE/CIC International Conference on Communications in China (IEEE/CIC ICC'21)
- 17th EAI International Conference on Security and Privacy in Communication Networks (SecureComm 2021)
- 5th IEEE International Workshop on Software Engineering for Smart Systems (SESS-COMPSAC 2021)
- TC4 Workshop on Mobile and Wearable Biometrics Workshop in conjunction with the 25th International Conference on Pattern Recognition (WMWB 2021)
- 4th IEEE International Conference on Computer Applications & Information Security (ICCAIS 2021)
- 5th International Conference on Networking and Advanced Systems (ICNAS 2021)
- 7th International Conference on Cryptography and Information Security (CRIS 2021)
- Interconnected Infrastructures and Applications with emphasis on Security in conjunction with the 39th IEEE International Conference on Consumer Electronics (ICCE 2021) 6th International Conference on Industrial Networks and Intelligent Systems (INISCOM 2020)
- 2nd International Conference on Sustainability and Resilience (SRC 2020)
- International Conference on Data Analytics for Business and Industry (DATA 2020)
- International Conference on Innovation and Intelligence for Informatics, Computing and Technologies (3ICT 2020)
- 15th EAI International Conference on Tools for Design, Implementation and Verification of Emerging Information Technologies (TRIDENTCOM 2020)
- TC4 Workshop on Mobile and Wearable Biometrics Workshop in conjunction with the 25th International Conference on Pattern Recognition (WMWB 2020)
- The 25th European Symposium on Research in Computer Security (ESORICS 2020)
- The 4th IEEE International Workshop on Software Engineering for Smart Systems (SESS-COMPSAC 2020)
- The 8th International Conference on Future Internet of Things and Cloud (FiCloud 2020), Blockchain in Cloud and IoT Track
- 13th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage (SpaCCS'20)
- 3rd International Conference on Computer Applications & Information Security (ICCAIS' 2020)
- 11th International Symposium on Cybersecurity (ITNG 2020)
- 1st International Workshop on Security and Reliability of IoT Systems (SecRIoT 2019)
- 3rd Symposium on Software Engineering for Smart Systems, in conjunction with IEEE Smart World Congress (SSESS 2019)
- 2nd Smart Cities Symposium (SCS 2019)
- 4th International Conference on Networking and Advanced Systems (ICNAS 2019)
- International Workshop on Mobile Applications in conjunction with the 15th International Conference on Mobile Web and Intelligent Information Systems (MobiApps 2019)
- 6th International Workshop on Design and Performance of Networks on Chip in conjunction with the 14th International Conference on Future Networks and Communications (DPNoC 2019)
- 9th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH 2019)
- 4th International Conference on Networking and Advanced Systems (ICNAS 2019)
- 26th International Conference on Telecommunications (ICT 2019)
- 2nd Annual IEEE Middle East & North Africa COMMunications (MENACOMM 2019)
- 11th International Conference on Advances in System Simulation (SIMUL 2019)
- 2nd International Conference on Computer Applications & Information Security (ICCAIS' 2019)
- 10th International Symposium on Cybersecurity (ITNG 2019)
- International Conference on Digital Image and Signal Processing (DISP 2019)
- 8th International Conference on Modeling Simulation and Applied Optimization

(ICMSAO'19)

- 2019 Annual IEEE Middle East & North Africa COMMunications (MENACOMM 2019)
- International Workshop on Security in Health Informatics conjunction with IEEE Global Communications Conference (Globecom 2018), Abu Dhabi, UAE // December 9-13, 2018
- VTC2018-Spring Recent Results and Workshops (VTC-2018)
- 5th International Symposium for ICS & SCADA Cyber Security Research 2018 (ICS-CSR 2018)
- 9th International Symposium on Cybersecurity (ITNG 2018)
- 4th International Conference on Networks & Communications (NCOM 2018)
- 3rd IEEE Cyber Science and Technology Congress (CyberSciTech 2018)
- 5th International workshop on Design and Performance of Networks on Chip (DPNoC 2018)
- Smart Cities Symposium (SCS'18)
- 41st International Conference on Telecommunications and Signal Processing (TSP 2018)
- 11th International Conference on Security, Privacy and Anonymity (SpaCCS 2018)
- IEEE World Congress on Industrial Control Systems Security (WCICSS)
- 10th International Conference on Advances in System Simulation (SIMUL 2018)
- 10th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage (SpaCCS 2017)
- 6<sup>th</sup> International Conference on Advances in Vehicular Systems, Technologies and Applications (VEHICULAR 2017)
- 9th International Conference on Advances in System Simulation (SIMUL 2017)
- International Symposium on Cloud Computing and Cyber-Security (SCCCS 2017)
- International Workshop on Cyber-Security in IoT-based Healthcare Systems & Cloud Computing in conjunction with the 14th International Conference on Mobile Systems and Pervasive Computing (MobiSPC 2017)
- Workshop on Security and Privacy in Cyber-Physical Systems (SPCPS) in conjunction with 3rd IEEE International Conference on Cybernetics (CYBCONF 2017)
- 8th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN-2017)
- 8th International Symposium on Cybersecurity (ITNG 2017)
- 2nd International Conference on Internet of Things and Cloud Computing (ICC 2017)
- 24<sup>th</sup> International Conference on Telecommunications (ICT 2017)
- International Conference on Big Data and Advanced Wireless Technologies (BDaw 2016)
- 3rd International Workshop on Mobile Applications (MobiApps 2016)
- Future Technologies Conference (FTC 2016)
- 5th IEEE/CIC International Conference on Communications in China (IEEE/CIC ICC'16)
- World Congress on Industrial Control Systems Security (WCICSS-2016)
- 23rd International Conference on Telecommunications (ICT 2016)
- 1st International Workshop on QoS aware Future Communication Networks (QoS-FCNs'16)
- 1st International Workshop on QoS and Energy-aware Algorithms and Protocols in Wireless and Mobile Communications (QoSE WMC 2016)
- 5th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2016)
- 2nd Intelligent Systems Conference (IntelliSys 2016)
- 2nd International workshop on Advances in Industrial Networks and Intelligent Systems (AINIS 2016) in conjunction with 83rd Vehicular Technology Conference (VTC 2016 Spring)
- 4th International Symposium for ICS & SCADA Cyber Security Research (ICS-CSR 2016)
- 4th Science and Information Conference (SAI 2016)
- 3rd Spring Conference on Wireless Communications and Networks (CWCN-S-2016)
- 29th European Simulation and Modelling Conference (ESM'15)
- IEEE 82nd Vehicular Technology Conference (IEEE VTC2015-Fall): Track 9 (Transportation, Vehicular Electronics, and Telematics)
- International Conference on Instrumentation control, Cognitive science, Optics, Micro electro-mechanical system, and Information Technology (ICACOMIT 2015)
- 3rd International Symposium for ICS & SCADA Cyber Security Research (ICS -CSR 2015)

- International Workshop on Mobile Applications (MobiApps 2015)
- 2015 International Symposium on Web of Things and Big Data (WoTBD 2015)
- International Conference on Signal Processing and Data Mining (ICSPDM 2015)
- 1st Intelligent systems Conference (IntelliSys 2015)
- 3rd Science and information Conference (SAI 2015)
- Int. Workshop on Under Water Communication Systems and Networks (UWCSN 2014)
- 2nd Science and information Conference (SAI 2014)
- 3rd IEEE International Symposium on Wireless Technology and Applications. (ISWTA 2013)

### **Reviewer for**

- IEEE Access
- IEEE Network magazine
- IEEE Wireless Communications Magazine
- IEEE/ACM Transactions on Networking
- IEEE Transactions on Vehicular Technology
- IEEE Transactions on Transportation Electrification
- IEEE Transactions on Industrial Informatics
- IEEE Transactions on Information Forensics & Security
- IEEE Transactions on Wireless Communications
- IEEE Communication Letters
- IEEE Embedded Systems Letters
- Elsevier International Journal of Electrical Power and Energy Systems
- Elsevier Computers & Electrical Engineering (CAEE)
- Elsevier Computer Communications
- Elsevier Computer Networks
- Elsevier Computers & Security
- Elsevier Journal of Information Security and Applications
- Emerald Information and Computer Security
- EURASIP Journal on Wireless Communications and Networking
- EAI Transactions on e-Learning
- EAI Transactions on Context-aware Systems and Applications
- EAI Transactions on Security and Safety
- Wiley Security and Communication Networks
- IGI global International Journal of Information Security and Privacy (IJISP)
- MDPI Sensors Journal
- MDPI Future Internet
- Hindawi Computational Intelligence and Neuroscience

### **Languages**

**Greek** (mother tongue), **English** (fluently), **French** (basic knowledge)

### **Additional Skills**

**IT Skills** Java, Veins, OMNET++, C, C++ ,SUMO, Visual basic, Mathematica, Matlab, MathCAD, Pajek, Siemens Instabus software  
Excellent knowledge of MS Office Suite (Word, Access, Excel, PowerPoint, MS Project)

**CAD** AutoCAD, Autofine, Workbench.

### **Training**

**2018** "ISO 27001:2013 Information Security Management Systems (ISMS) Lead Auditor", TUV Austria, Athens, Greece

**2006:** "Instabus system", Siemens Corporation, Athens, Greece  
**1999:** "ISDN systems", Aristotle University, Thessaloniki, Greece

### **Hobbies**

*Cycling, Volleyball, Guitar, Reading*  
Administrator of the blog: [bicyclelarissa.blogspot.com](http://bicyclelarissa.blogspot.com)

### **References**

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