

Othonas Sultatos

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PERSONAL

Date of Birth: April 26, 1988
Place of Birth: Athens Greece
Citizenship: Greek

EMPLOYMENT

Foundation Of Research and Technology-Hellas,Irakleion
December 1st, 2016 - present

R&D Engineer

Projects:

- “VirtuWind (Virtual and programmable industrial network prototype deployed in operational wind park)”,H2020 EU Framework Programme (H2020-ICT-2014-2 call). Focusing on the design and implementation of SDN controller modules and the security architecture aspects of the project. Develop a reactive security framework for operational wind park using Service Function Chaining (JAVA, Python, C/C++, Deep packet Inspection, Golang)
- SEMIoTICS (Smart End-to-end Massive IoT Interoperability, Connectivity and Security)”, H2020 EU Framework Programme (H2020-IOT-2017 call), aiming to develop a pattern - driven framework, built upon existing IoT platforms, to enable and guarantee secure and dependable actuation and semi-autonomic behaviour in IoT/IIoT applications.
- “CyberSure (CYBER Security InSURance — A Framework for Liability Based Trust)”,H2020 EU Framework Programme (Marie Skłodowska-Curie) aimed at developing a framework for creating and managing cyber insurance policy for cyber systems.

Websites (Creation and Maintenance):

- <https://www.raid2018.org>
- <http://certcoop.eu/>
- <https://www.semiotics-project.eu/>
- <https://nis-summer-school.enisa.europa.eu/>

Provide development support at the other consortium members

Responsible for the design, implementation and validation of security mechanisms for the projects.

Hellenic Army

January 2016 –September 2016

- Military duty

Telecommunication Systems Research Institute (T.S.I.),Chania

January 1, 2015 - August 31, 2015

R&D Engineer at Project COSSIM and Project OSMOSIS

- Implement secure communication between entities
- Test IoT protocols for security, scalability and performance
- Implement a Framework for IoT devices using CoAP and MQTT

Technical University of Crete, Chania

October 1, 2014 - December 31, 2014

R&D Engineer at project nSHIELD

- Used Sunspot SDK to implement a Policy-based Access Control framework using DPWS as a communication protocol
- Implemented a distributed XACML framework using DPWS and XACML 3.0 in Java

Network Informatics Security Lab, Irakleion

January 1, 2014- April 30, 2014

Intern

- Java implementation of DPWS devices
- Implementation of a simple DPWS device in ContikiOS (C/C++)

EDUCATION

PhD Candidate

School of Informatics, City University of London

February 2018 - Present

BSc in Computer Science

University of Crete

July 2014

Thesis: Implementing DPWS with XACML using OSGi infrastructure

TRAINING

- **Cybersecurity and Privacy (CySeP) Summer School
June 19-22 Stockholm Sweden**

[Link](#)

SKILLS

Language – Proficient in English, Greek

Technical skills –

- Analyze, design and develop Computer Software
- Cryptography
- Information Retrieval Systems
- Database Development
- Secure software design and implementation

Computer Skills –

- Microsoft Office
- Programming languages
 - C/C++, JAVA, Python, Go, NodeJS
- Semantic Web
 - DPWS, XML, SOAP, AJAX
- Internet Technologies
 - HTML, Javascript, CSS, AngularJS

- Sequel Databases
- Nosql Databases
- Operating Systems
 - Linux,Windows,Contiki
- Service Oriented Architectures
- Modular Programming

Personal Interests – Cycling, Learning new technologies

PUBLICATIONS

- ***The Industrial Internet of Things as an enabler for a Circular Economy; Hy-LP: A novel IIoT Protocol, evaluated on a Wind Park's SDN/NFV-enabled 5G Industrial Network, G.***
Hatzivasilis, K. Fysarakis, O. Soultatos, I. Askoxylakis, I. Papaefstathiou, G. Demetriou, *Computer Communications Journal, Elsevier, 2018 (DOI:10.1016/j.comcom.2018.02.0079)*
- ***Policy-based Access Control for DPWS-enabled Ubiquitous Devices***” K. Fysarakis , I . Papaefstathiou , K . Rantos. C. Manifavas , O. Soultatos
19th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2014), At Barcelona, Spain
- ***Secure and Authenticated Access to LLN Resources Through Policy Constraints***”,
K.Rantos,K.Fysarakis,O.Soultatos,I.Askoxylakis
9th WISTP International Conference on Information Security Theory and Practice (WISTP 2015), At Heraklion, Crete, Greece
- ***“XSACd - Cross-domain Resource Sharing & Access Control for Smart Environments”***
K.Fysarakis,O Soultatos, Harry Manifavas I.Askoxylakis
Article in Future Generation Computer Systems · June 2016
- ***“Which IoT Protocol? Comparing standardized approaches over a common M2M application”***, K. Fysarakis, O. Soultatos, I. Askoxylakis, C. Manifavas, I. Papaefstathiou and V. Katos, 2016 IEEE Global Communications Conference ([GLOBECOM 2016](#)), Washington, DC, USA, December 4-8, 2016.

PROJECTS

- ***Smart End-to-end Massive IoT Interoperability, Connectivity and Security*** ([SEMIoTICS](#))
- ***Virtual and programmable industrial network prototype deployed in operational Wind Park*** ([Virtuwind](#))
- ***CYBER Security InSURancE — A Framework for Liability Based Trust*** ([CyberSure](#))
- **A Novel,Comprehensible, Ultra-Fast,Security-Aware CPS Simulator** ([COSSIM](#) – Project Number 644042)
- ***Open Source Modelling and Hardware Software Codesign of Embedded Systems*** ([OSMOSIS](#))
- ***New embedded Systems archItecturE for multi-Layer Dependable solutions*** ([nSHIELD](#))

