



Dr. Georgios Violettas

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● ABOUT ME

Dr George Violettas ([personal webpage](#)) is the acting manager and EU projects manager for the R&D department, for [SYSGO GmbH](#), Germany. He holds a PhD in IoT network control & security. He was a senior research fellow in [four Horizon 2020 European projects](#), and an Assistant Professor at Alfaisal University, Saudi Arabia. He has 15+ years of experience as a CIO, R&D officer, project manager, software engineer, and ICT consultant for European companies. He has taught for 15+ years in Greece and Saudi Arabia, and was head of ICT Department for [Lincoln College Group](#), Saudi Arabia. His research focuses on IoT, WSN, Cloud/Edge Computing, security and cryptography with [several publications](#).

● WORK EXPERIENCE

01/01/2023 – CURRENT Frankfurt, Germany

ACTIVE MANAGER OF R&D / EU PROJECTS MANAGER SYSGO GMBH

- Since Oct 2023: Active manager of the department
- Vision, strategy, goal setting, staff management, Programs/opportunities identification
- Project Manager on Fog/Edge smart gateway
- Project Manager for several EU Horizon projects
- EU/National proposals creation

31/08/2020 – 31/12/2022 Riyadh, Saudi Arabia

ASSISTANT PROFESSOR /LECTURER ALFAISAL UNIVERSITY

Delivering courses in IoT, Cybersecurity, Mobile Programming, and Python. Supervising bachelor theses.

28/02/2021 – 31/12/2022 Talin, Estonia

HORIZON EUROPE SENIOR RESEARCH PROPOSAL MANAGER EFMC (REMOTE)

Supervision & submission of technical proposals & project coordination. Widening, Digitization, Smart Cities.

31/08/2016 – 30/07/2020 Riyadh, Saudi Arabia

HEAD OF DEPARTMENT (ICT), SENIOR LECTURER LINCOLN COLLEGE GROUP (UK) IN APPLIED ENGINEERING COLLEGE (FORMER TTC)

Head of ICT Department (14 faculty), Curriculum Development, Strategy formulation, Senior Lecturer 2016-2017 Deputy Head of Department ICT (All administrative tasks), Senior Lecturer (delivering ICT courses, supervising Bachelor Theses, delivering curricula)
Head of Embedded Systems Lab (ESL)

31/08/2012 – 29/09/2016 Riyadh, Saudi Arabia

SENIOR LECTURER, HEAD OF EMBEDDED SYSTEMS/IOT LAB GIZ (GERMANY), IN TECHNICAL TRAINERS COLLEGE (TTC), SAUDI ARABIA

Compiling and delivering lectures to College students on computer science, PHP, MySQL, CSS, Android, Information Security

Head of Embedded Systems Lab / Head of Blended Learning Group

31/08/2010 – 04/05/2012 Barcelona, Spain

HORIZON 2020 CONSULTANT APOGEE INFORMATION SYSTEMS

2-year project with a budget of 180,000EUR, acting as a MOSS expert and software analyst involving MS SharePoint development with SQL
Android Project for a new social network (music-oriented), XML and database programming with MySQL Lite

31/08/2002 – 31/05/2010 Thessaloniki, Greece

CIO, LARGE ACCOUNT MANAGER EPIKINONIA LTD

Manager, Large Account Manager, B2B support, MOSS Project Manager, HR

As a Project Manager, I successfully delivered more than ten projects with a total cost of more than 10m euros

30/09/2008 – 31/05/2012 Thessaloniki, Greece

ASSOCIATE LECTURER ARISTOTLE TECHNOLOGICAL INSTITUTE OF THESSALONIKI

Lectures on Computer science, HTML, PHP, MySQL, CSS, Java threads, wireless security, C++
Supervising Undergraduate Theses

Key Achievements

Fully cryptographic platform for the secure exchange of students' grades with the Institution's main database.

● **EDUCATION AND TRAINING**

30/09/2015 – 05/02/2021 Thessaloniki, Greece

PH.D. IN NETWORK CONTROL & SECURITY FOR THE INTERNET OF THINGS University of Macedonia

Thesis code is freely available ([ASSET](#))

Website www.uom.gr | **Field of study** Computer Science | **Final grade** summa cum laude |

Thesis Fully functional IoT security platform

Link <https://dspace.lib.uom.gr/handle/2159/25663>

31/08/2006 – 30/08/2008 Thessaloniki, Greece

M.SC. IN APPLIED INFROMATICS (2YR) University of Macedonia

*Creating a fully functioning software platform (in C#) dealing with Positioning Finding through Wi-Fi networks and mapping of Wi-Fi coverage (**Best paper award**)*

Website www.uom.gr | **Field of study** Applied Informatics | **Final grade** 9.6/10 | **Level in EQF** EQF level 7 |

Thesis <https://bit.ly/35GRa5K>

31/08/2002 – 30/07/2006 Patras, Greece

BACHELOR IN COMPUTER SCIENCE (4YR) Hellenic Open University

Website www.eap.gr

31/08/2006 – 31/08/2006 United States

PROFFICIENCY IN ENGLISH University of Michigan

● **LANGUAGE SKILLS**

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
ITALIAN	B2	B1	B1	B1	B1
FRENCH	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Internet of Things (IoT) | WSN | Edge/Cloud Computing | Fog Computing | Information Security | cryptography | CoAP | YAML | JSON,XML | Message Queue technology (MQTT) | c,c++,c# Languages | Java | Python | HTML | Spring Maven | git(hub) | (my)SQL | UML | Microsoft Sharepoint | Android Development (Kotlin, Java) | Operating Systems (Windows, Linux) | Arduino, Raspberry | ansible, docker, kubernetes deployment

● ADDITIONAL INFORMATION

CONFERENCES AND SEMINARS

Publications list

Link https://www.researchgate.net/profile/George_Violettas3/publications

PROJECTS

01/03/2023 – CURRENT

REBECCA RISC-V HORIZON-KDT-JU-2021-2-RIA

Complete hardware and software stack centered around a RISC-V CPU

<https://www.rebecca-chip.eu/about>

01/06/2023 – CURRENT

Lollipop-IoT Energy Harvesting/micro-power management solutions for Wireless IoT edge devices that enable long battery life sensors to be retrofitted on, in or near equipment and infrastructure.

<https://www.lollipop-iot.eu/>

31/08/2015 – 30/11/2021

Senior European Researcher, Software Engineer [Fed4Fire](#), [iMinds FP7 European project](#): .5y experiment on SDN networks. R&D, PhD research (2016), [MONROE](#) Multi-homing with Ephemeral Clouds on the Move, 1y experiment, PhD Research, (2017), [NECOS](#), Lightweight Slice Defined Cloud Solutions, (2018) Research proposal preparation, Algorithms created in Python, C Lang, Node-Red, and Ansible used for front-end GUI. Networking experiments conducted in Linux Distributions. SDN front-end console constructed (CORAL). Communication protocols (RPL) analysis.

31/08/2018 – 30/11/2020

Software Architect, PhD research [ASSET](#), Intrusion Detection System for IoT (Python, C, Java)

<https://github.com/SWNRG/ASSET>

Link <https://github.com/SWNRG/ASSET>

31/08/2003 – 06/2010

General Project Manager Complete Wireless Coverage System and Area Surveillance with Wi-Fi & IP Cameras of [Thessaloniki Port Container Area](#) (2.5m euros). Business Processes, Risk Assessment.

HOBBIES AND INTERESTS

Stylometry on Greek scriptis Artificial Intelligence & Machine Learning applications on author identification for ancient and modern Greek Language Scripts

VOLUNTEERING

31/07/2015 – 31/07/2019 DEYAS (Public Sector Water & Sewage Business of Skiathos, Greece)

ICT Advisor & Consultant Pro-buono consultant for ICT, European programs, Internet of Things, Smart Cities.

Proud to help my birth island with my expertise.
