ANDREW RONALD SHORT

PERSONAL INFORMATION

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EDUCATION

2019 – Today	**PhD Student** University of West Attica Department of Industrial Design and Production Engineering
2010 – 2011 Institution	**MSc in Control Systems** Department of Automatic Control & System Engineering, University of Sheffield, UK. - Distinction Award
2002 – 2006 Institution	**BSc in Automation Engineering** Department of Automation, TEI of Piraeus, Greece

TEACHING EXPERIENCE

06/2018 - Today	**Laboratory teaching staff, University of West Attica** Department of Industrial Design and Production Engineering School of Engineering Courses: • Industrial Electrical Applications • Industrial Automation - PLC • Electrical circuits
2/2020 – Today	**Postgraduate Program - New Technologies in Shipping and Transport** University of the Aegean / University of West Attica • Teaching assistant for course: "Supervisory Control Systems"
2/2019 – Today	**Postgraduate Program – Industrial Automation** Department of Industrial Design and Production Engineering School of Engineering • Teaching assistant for course: "Supervisory Control Systems"
Academic Years: **2008-2009** **2009-2010**	**Laboratory teaching staff, TEI Piraeus** Department of Automation Engineering School of Engineering Courses: • Industrial Control • Electromechanical Installations

PUBLICATIONS

12/2021	**Andrew R. Short**, Theofanis G. Orfanoudakis, Helen C. Leligou, Improving Security and Fairness in Federated Learning Systems, International Journal of Network Security & Its Applications, In Press
01/2021	**AR. Short**, Helen C. Leligou, E. Theocharis, "Execution of a Federated Learning Process Within a Smart Contract", 39th International Conference on Consumer Electronics (IEEE ICCE2021), 2021
12/2020	E. Theocharis, M. Papoutsidakis, **A. Sort**, C. Drosos, "Experimentation on the Electromechanical Behavior of Automation Safety Buttons Applied to an Industrial PLC", WSEAS Transactions on Systems and Control, ISSN / E-ISSN: 1991-8763 / 2224-2856, Volume 15, 2020, Art. #74, pp. 733-742
07/2020	**AR Short**, Helen C Leligou, M. Papoutsidakis, E. Theocharis – "Using blockchain technologies to improve security in Federated Learning Systems", 2020 IEEE 44th Annual Computers, Software, and Applications Conference (COMPSAC), Pages 1183-1188
06/2019	M. Papoutsidakis, E. Theocharis, D. Piromalis, **A. Sort** - SCADA Implementations to Supervise the Water Networks Infrastructures in the City of Athens, International Journal of Computer Applications (0975 – 8887) Volume 178 – No. 25, June 2019
07/2012	**AR Short**, OK Sayidmarie, SA Agouri, MO Tokhi, KM Goher, AM ALMESHAL, Real time PID control of a two-wheeled robot, Adaptive Mobile Robotics 2012 (Book), Pages 73-80

ADMINISTRATIVE EXPERIENCE / OTHER WORK EXPERIENCE

07/2008 – 06/2018	**Network Operations Center, Piraeus University of Applied Sciences** • Development of Web Applications and Network Solutions implemented effectively using a wide range of technologies (VB.NET, ASP.NET, PHP, Oracle and MySQL databases, LDAP services) • Server Administration and Maintenance (Windows and Unix, Virtualized environment – VMware vSphere) • Services Management (e-mail servers, LDAP, VPN, databases, student services) Recent Project: Design and implementation of student/staff services migration to Office 365 – Security considerations, Interoperability and Single-Sign-On Systems
07/2002 – 11/2006	**Department of Post Graduate Studies, Piraeus University of Applied Sciences** Installation and Management of laboratory equipment, Server Administration, Network Maintenance • Postgraduate Program «MSc in Data Communications» • MSc Management in Construction • MSc Structural Design and Construction Management

OTHER QUALIFICATIONS AND EXPERIENCE

04/2018	**Cisco CCNA Cyber Ops Certificate**
05/2015	**Cisco Certified Network Associate (CCNA)**
07/2011	**Software Developer for Apple iOS**

FOREIGN LANGUAGES

English

UNDERSTANDING		SPEAKING		WRITING
Oral	Written (reading)	Communication	Oral expression	
C2	C1	C2	C2	C1
Qualification: IELTS Grade 7,5 (2010)				

German

UNDERSTANDING		SPEAKING		WRITING
Oral	Written (reading)	Communication	Oral expression	
C1	C1	C1	C1	C1
Qualification: Zentrale Mittelstufenprufung – Goethe Institut (2003)				

* C1 – Very Good, C2 – Excellent