

Christos Dalamagkas

RESEARCH ASSISTANT · NETWORK ENGINEER

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Birth date: 3 November 1994

Education

University of Western Macedonia

2019 – Now

PHD CANDIDATE, DEPT. OF ELECTRICAL AND COMPUTER ENGINEERING



- Optical networks and optimization.
- Research assistant

University of Western Macedonia

2012 – 2017

MASTER DEGREE (5 YEARS OF STUDY), DEPT. OF INFORMATICS AND TELECOMUNICATIONS ENGINEERING

- Game theory on XG-PON networks. Thesis available online: <https://christos.pw/thesis>.
- Graduation Grade: 8.2/10.

Experience



Public Power Corporation

May 2018 - Now

RESEARCH ASSISTANT

- Researcher on Horizon 2020 programmes (SPEAR, SDN-microSENSE).
- Smart grids, industrial networking and cybersecurity.



IEK ALFA (Vocational school)

Oct. 2018 - Now

TEACHER

- Computer networks and telecommunications oriented lessons.
- Operating Systems and Object-oriented programming (C++).



University of Brighton

Jul. - Sept. 2017

RESEARCH ASSISTANT



University of Western Macedonia

Mar. 2017 - Now

TEACHING ASSISTANT

- Computer Networks II, Computer and Network Security.
- Event-driven simulation.



IntelliSolutions S.A

Jul. - Aug. 2016

SYSTEMS AND NETWORK ENGINEER (INTERN)


Skills

Telecommunications	ITU-T PONs, Traffic Engineering, Simulation (OmNET++).
Networking	TCP/IP, OpenVSwitch, Cisco IOS, RouterOS, ArubaOS, Routing and Switching.
Security	TLS, PKI, OpenVPN, pfSense, ACLs.
System Administration	Unix, LEMP stack, Windows Server, Active Directory.
Virtualization	Xen (XCP-ng), ESXi, Proxmox, VMware/Virtualbox, Docker.
Programming	Java, MATLAB, Python, C/C++, Basics of web development.
Miscellaneous	Troubleshooting, Project Management, Office Suite, MS Visio, L ^A T _E X.
Languages	Greek (native), English (C2), German (C1).



Selected Publications

- [1] C. Dalamagkas, P. Sarigiannidis, S. Kapetanakis and I. Moscholios, "Dynamic scheduling in TWDM-PONs using game theory", *Optical Switching and Networking*, Dec. 2017, DOI: 10.1016/j.osn.2017.12.004. 2018
- [2] C. Dalamagkas, P. Sarigiannidis, I. Moscholios, T. Lagkas and M.S. Obaidat, "PAS: A Fair Game-Driven DBA Scheme for XG-PON Systems", *11th International Symposium on Communication Systems, Networks, and Digital Signal Processing*, Jul. 2018. DOI: 10.1109/CSNDSP.2018.8471787 2018

Professional Certifications

	Cisco Certified Network Associate (CCNA)	JUL. 2019
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Voluntary Activities and Memberships

	University of Western Macedonia EDITOR OF EDUCATIONAL MATERIAL	Mar. 2016 - Now
<ul style="list-style-type: none">• Author of original education material for the course "Network Design".• Curriculum includes Cisco and Mikrotik routing and switching.		
	Institute of Electrical and Electronics Engineers IEEE COMMUNICATIONS SOCIETY MEMBER	Sep. 2013 – Now