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Panagiotis Radoglou-Grammatikis

Summary

I was born in Thessaloniki, Greece on 18/05/1993. I received the Diploma degree (5 years) from the Dept. of Informatics and Telecommunications Engineering, University of Western Macedonia, Greece, in 2016. I am now a Ph.D. student in the same department. My main research interests are in the area of the information security and mainly focus on intrusion detection, vulnerability research and applied cryptography. Currently, I am working as a research associate at the University of Western Macedonia in national and European funded research projects.

Working Experience

- Research associate at the University of Western Macedonia, at the MARS (sMart fArming with dRones) project funded by NSRF-2018 - Erevno-Dimourgo-Kainotomo, in the period 07/12/2018 - Present. My contribution focuses on: 1) big data analytics, 2) developing mobile applications.
- Research associate at the University of Western Macedonia, at the SPEAR: Secure and PrivatE smArt gRid (H2020-DS-2016-2017) project, in the period 01/05/2018 – Present. My research tasks focus on 1) developing intrusion detection mechanisms, 2) developing visualization mechanisms and 3) penetration testing processes.
- Informatics teacher associate at Idrogios Education (Lifelong Educational Center Level 1), Greece, teaching the educational programme "Java Certified Developer" in the period 12/10/2017 – Present.
- Ph.D. student at Department of Informatics and Telecommunications Engineering, University of Western Macedonia, Greece in the period 16/02/2017 – Present. During of my Ph.D. program, the following work/academic duties are carried out:
 1. Laboratory associate, at Department of Informatics and Telecommunications Engineering, University of Western Macedonia, Greece in the period: 20/02/2017 – Present.
 2. Writing financing research proposals.
- Software developer at WEBEXPERT (<https://www.webexpert.gr/>) in the period 01/07/2015 – 30/09/2015. My tasks mainly included the development of Android applications and REST web services.

Education

- Ph.D. student, Department of Informatics and Telecommunications Engineering, University of Western Macedonia, Greece since February 2017.
 - **Research topic:** Security and Privacy in the Internet of Things.

- Diploma (five-years), Department of Informatics and Telecommunications Engineering, University of Western Macedonia, Greece, in 2016.
 - **Thesis Title:** Implementation of an Intrusion Detection System in Android OS for Wireless Access Networks.

Skills

- **Software Development:** Assembly x86, C, Java, Python, MATLAB.
- **Web Programming:** (X)HTML, MySQL, CSS, JAX-RS, JAX-WS, JDBC, Wordpress.
- **Mobile Application Development:** Android SDK
- **Shell Programming:** Unix Shells Scripts (ksh, csh, bash, sh), Windows PowerShell.
- **Parallel Programming:** OpenMP, MPI, Posix Threads, Java Threads, Parallel Python, Multiprocessing Python.
- **Scientific Programming Modules:** NumPy, Pandas, Matplotlib
- **Operating Systems:** Microsoft Windows, Unix, Linux, FreeBSD, Android.
- **Networking:** OSI model, TCP/IP stack, 802.(11,15,16)x, QoS/QoE modeling and optimization.
- **IT Security:** Risk Analysis, Threat Modeling, IPSec, Applied Cryptography, Penetration Testing.
- **IT Security Tools:** Metasploit, VirtualBox, Nmap, Tcpdump, Wireshark, Tor, Nessus, Snort, Iptables, OpenSSL, AlienVault OSSIM.
- **Typesetting Software:** LaTeX
- **Office Suites:** MS Office, MS Visio, Libre Office.

Languages

- Greek (Native)
- English (C2)

Honors & Awards

- Annual award for excellence as a student from the University of Western Macedonia, in 2016.
- First business plan award for the entrepreneurial idea of the web application: "Virtual Fitting Dressing Room" under of the Lifelong Learning Programme 2007- 2013 of the European Commission in 2015.

Research Activities

- Member of IEEE (ID: 92614101).
- **Publications in Scientific Journals:**

[J.1] P.I. Radoglou-Grammatikis, P.G. Sarigainnidis and I. D. Moscholios, "Securing the Internet of Things: Challenges, Threats and Solutions", Internet of Things; Engineering Cyber Physical Human Systems, 2018.

- **Publications in Conference Proceedings:**

[C.4.] P. Radoglou-Grammatikis, P. Sarigiannidis, T. Liatifis, T. Apostolakos, and S. Oikonomou, "An overview of the firewall systems in the smart grid paradigm," in 2018 Global Information Infrastructure and Networking Symposium (GIIS), Oct 2018, pp. 1–4.

[C.3] P. I. Radoglou-Grammatikis and P. G. Sarigiannidis, "An anomaly-based intrusion detection system for the smart grid based on cart decision tree," in 2018 Global Information Infrastructure and Networking Symposium (GIIS), Oct 2018, pp. 1–5.

[C.2] P. I. Radoglou-Grammatikis and P. G. Sarigiannidis, "Flow anomaly based intrusion detection system for android mobile devices," in 2017 6th International Conference on Modern Circuits and Systems Technologies (MOCAST), May 2017, pp. 1–4.

[C.1] P. Radoglou-Grammatikis, E. Manganopoulou, and M. Dasygenis, "Parallelization of the hierarchical search in python for high performance embedded systems," in 2016 5th International Conference on Modern Circuits and Systems Technologies (MOCAST), May 2016, pp. 1–4.

- **Reviewer of International Scientific Journals:**

[R.2] IEEE Access

[R.1] International Journal of Communication Systems