



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Ioannou
Name:	Christiana
Rank/Position:	Special Teaching Staff
School:	Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Cyber Security: Specialisation: Security in Internet of Things (IoT)

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D.	2017	University of Cyprus	Computer Science	mIDS: a Lightweight Intrusion Detection System for Wireless Sensor Networks and the Internet of Things
MSc	2006	Florida Institute of Technology	Computer Science	The Hunt for Viral Processes
Post-graduate Diploma	2004	Mediterranean Institute of Management		
BSc.	2003	San Diego State University	Computer Science	

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
03/2017	02/2022	Department of Computer Science, University of Cyprus	Nicosia	Postgraduate researcher

06/2017	03/2018	CYENS Centre of Excellence	Nicosia, Cyprus	Research Associate
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Key refereed journal papers, monographs, books, conference publications etc. (up to ten May 2021)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2021	Energy Efficient Mechanism for Reusing Mobile Nodes in WSN and IoT Networks	Temene N., Sergiou C., Ioannou C., Georgiou C., and Vassiliou V.	In Proceedings of the 3rd International Workshop on IoT Applications and Industry 4.0, held in conjunction with the 17th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS), ser. IoT14		
2	2021	Decentralized Dedicated Intrusion Detection Security Agents for IoT Networks	Ioannou C. and Vassiliou V.	In Proceedings of the 3rd International Workshop on Intelligent Systems for the Internet of Things, held in conjunction with the 17th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS), ser. ISIoT '21,		
3	2021	Evaluating Local Intrusion Detection in the Internet of Things	Ioannou C. and Vassiliou V.	In Proceedings of the 19th Mediterranean		

				Communication and Computer Networking Conference (MedComNet 2021)		
4	2021	A Node Placement Algorithm Utilizing Mobile Nodes in WSN and IoT Networks	Temene N., Sergiou C., Ioannou C., Georgiou C. and Vassiliou V.	Telecom	3	17-51
5	2021	Network Attack Classification in IoT Using Support Vector Machines	Ioannou C. and Vassiliou V.	Journal of Sensor and Actuator Networks	10	58
6	2020	Experimentation with Local Intrusion Detection in IoT Networks Using Supervised Learning	Ioannou C. and Vassiliou V.	In Proceedings of the 2nd International Workshop on Intelligent Systems for the Internet of Things, held in conjunction with the 16th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS), ser. ISIoT '20		
7	2020	Accurate Detection of Sinkhole Attacks in IoT Networks Using Local Agents	Ioannou C. and Vassiliou V.	In Proceedings of the 18th Mediterranean Communication and Computer Networking Conference (MedComNet 2020)		

Research Projects (up to ten May 2021)				
Ref. Number	Date	Title	Funded by	Project Role
1	01/2022-12/2022	BluePark: Island-wide Smart Parking Application for Disabled Persons	CYENS Research Centre	Team Member
2	03/2020 – 02/22	IDS4IoT - Computational and Artificial Intelligence Solutions for Intrusion Detection in Internet of Things	University of Cyprus	Principal Investigator
3	05/2019 – 05/2021	SmIDS: Detecting Malicious Interventions in Wireless Sensor Networks and the Internet of Things	University of Cyprus	Cooperative Principal Investigator

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2021 & 2022	CPS-IoTBench	Technical Program Committee	
2	2021 & 2022	MedComNet	Web, EDAS and Virtualization Chair	Organizing
3	2022	WiOot	Web, EDAS and Virtualization Chair	Organizing
4	2020, 2021 & 2022	Intelligent Systems for the Internet of Things	Technical Program Committee	

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	2021	3 rd Prize - S3 - Secure Smart Systems	Cyprus Entrepreneurship Competition (CyEC)
2	2020	2 nd Prize - National Guard Secure Chat	Cybersecurity Cyberdefense Hackathon
3	2019	1 st Prize – Intrusion Detection Systems for the Internet of Things	Centre for Entrepreneurship IEF2019: Best Poster/Demo

