



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Constantinides
Name:	Andreas
Rank/Position:	Associate Professor
School:	Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Mobile Computing and Computational Intelligence

Academic qualifications				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2009	University of Essex	Computer Science and Electronic Systems Engineering	Multi-objective Deployment and Power Assignment in Wireless Sensor Networks using Metaheuristics.
MSc	2005	University of Essex	Computer Science and Electronic Systems Engineering	An Interactive Java Simulator for Routing in Mobile Ad-Hoc Networks.
BSc	2004	Budapest University of Technology and Economics	Electrical Engineering and Informatics	Pathfinding Algorithms for Intelligent Agents: A Pacman Game

Employment history in Academic Institutions/Research Centers					
Period of employment		Employer	Location	Position	
From	To				
2021	present	Frederick University	Nicosia, Cyprus	Associate Professor	
2015	2021	Frederick University	Nicosia, Cyprus	Lecturer, Assistant Professor	
2009	2015	Frederick University	Nicosia, Cyprus	Visiting Lecturer	
2009	2015	University of Cyprus	Nicosia, Cyprus	Post-Doctoral Researcher	

Key <i>refereed</i> journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2024	“A Bi-Level Multi-Objective Energy Management System for Renewable Energy Self-Consumption”	Thalis Papakyriacou, Andreas Pamboris and Andreas Konstantinidis	World Congress of Computational Intelligence (WCCI'24), Yokohama, Japan,	NA	NA
2	2024	"A Framework for Continuous kNN Ranking of Electric Vehicle Chargers with Estimated Components"	Soteris Constantinou, Constantinos Costa, Andreas Konstantinidis, Mohamed F. Mokbel, Demetrios Zeinalipour-Yazti	Proceedings of the 40th IEEE International Conference on Data Engineering (ICDE'24), IEEE Press, 14 pages, Utrecht, Netherlands	NA	NA
3	2024	“Resident-oriented Green Energy Optimization using a Multi-Objective Evolutionary Algorithm”	Thalis Papakyriacou, Andreas Pamboris and Andreas Konstantinidis.	Artificial Intelligence Applications and Innovations (AIAI'24), Corfu, Greece	NA	NA
4	2023	“An IoT Data System for Solar Self-Consumption”	Soteris Constantinou, Nicolas Polycarpou,	The 24th IEEE International	NA	NA

			Constantinos Costa, Andreas Konstantinidis, Panos K. Chrysanthis, Demetrios Zeinalipour- Yazti	Conference on Mobile Data Management (MDM'23), IEEE Press, pp. 10 pages, July 3 - July 6, 2023, Singapore		
5	2023	“A Cost-Effective Smart Insole System for Real Time Gait Analysis”	Nikos Antoniou, Antonis Hadjiantonis, Costas Kyriacou, Andreas Konstantinidis	Topic: Wearable Sensors and Systems, IEEE Sensors, Oct. 29-Nov. 1, Vienna, Austria	NA	NA
6	2023	GreenCap: A Platform for Solar Self- Consumption using IoT Data”	Soteris Constantinou, Nicolas Polycarpou, Constantinos Costa, Andreas Konstantinidis, Panos K. Chrysanthis, Demetrios Zeinalipour- Yazti	The 24th IEEE International Conference on Mobile Data Management (MDM'23), IEEE Press, pp. 4 pages, July 3 - July 6, 2023, Singapore	NA	NA
7	2022	“Green Planning Systems for Self- Consumption of Renewable Energy”	Soteris Constantinou, Andreas Konstantinidis, Panos K. Chrysanthis and Demetrios Zeinalipour- Yazti	ACM Transactions on Internet of Things (TIOT'22), ACM, New York, NY, USA	3	1--30
8	2022	“EnterCY: A Virtual and Augmented Reality Tourism Platform for Cyprus”	Soteris Constantinou, Andreas Pamboris, Rafael Alexandrou, Christoforos Kronis, Demetrios Zeinalipour-Yazti, Harris Papadopoulos and Andreas Konstantinidis	23rd IEEE International Conference on Mobile Data Management (IEEE MDM 22), 6-9 June, 2022.	NA	NA
9	2022	“Smart Out-of-Home Advertising Using Artificial Intelligence and GIS Data”	Nader Nader, Rafael Alexandrou, Iasonas	36 th AAAI Conference on	NA	NA

			Iasonos, Andreas Pamboris, Harris Papadopoulos, Andreas Konstantinidis	Artificial Intelligence, Canada		
10	2022	“Green Planning Systems for Self-Consumption of Renewable Energy”	Soteris Constantinou, Andreas Konstantinidis, Panos K. Chrysanthis and Demetrios Zeinalipour-Yazti	IEEE Internet Computing (IC '22), IEEE Computer Society, pp. 7 pages, Los Alamitos, CA, USA, 2022.	NA	NA
11	2021	"The IoT Meta-Control Firewall"	Soteris Constantinou, Andreas Konstantinidis, Demetrios Zeinalipour-Yazti, Panos K. Chrysanthis	Conference on Data Engineering (ICDE'21), IEEE Computer Society, April 19 - April 22, 2021, Chania, Crete, 2021.	NA	pp. 12 pages
12	2020	“Indoor Localization with Multi-Objective selection of Radiomap Models”	Rafael Alexandrou, Harris Papadopoulos, Andreas Konstantinidis	16th International Conference on Artificial Intelligence Applications and Innovations (AIAI'20), Greece, June 2020.		149- 167
13	2019	“Continuous Decaying of Telco Big Data with Data Postdiction”, ,	Constantinos Costa, Andreas Charalampous, Demetrios Zeinalipour-Yazti, Mohamed F. Mokbel	Goinformatika, Springer	NA	NA
14	2019	“Multi-Objective Indoor Localization Service for Smartphones”	Aphrodite Demetriades and Savvas Pericleous	ACM Symposium On Applied Computing, Limassol, Cyprus,	NA	NA
15	2018	"IoT Data Prefetching in Indoor Navigation SOAs"	Panagiotis Irakleous, Zacharias Georgiou, Demetrios Zeinalipour-Yazti and Panos K. Chrysanthis	ACM Transactions on Internet Technology (TOIT), ACM	NA	20
16	2018	"Meta-Lamarckian Learning in Multi-Objective Optimization for Mobile Social Network Search"	Savvas Pericleous, Christoforos Charalambous	Applied Soft Computing, Elsevier	67	70-93

17	2018	"Decaying Telco Big Data with Data Postdiction"	Constantinos Costa, Andreas Charalampous, Demetrios Zeinalipour-Yazti and Mohamed F. Mokbel	Proceedings of the 19th IEEE International Conference on Mobile Data Management (MDM'18), IEEE Computer Society	NA	10
18	2017	"Android Malware Detection with Unbiased Confidence Guarantees."	Harris Papadopoulos, Nestoras Georgiou, Charalambos Eliades	Neurocomputing, Elsevier	280	3-12
19	2016	"Managing big data experiments on smartphones."	Georgios Larkou, Marios Mintzis, Panayiotis G. Andreou, Demetrios Zeinalipour-Yazti	Distributed and Parallel Databases (DAPD), Springer US	34	33-64
20	2015	"Privacy-Preserving Indoor Localization on Smartphones."	Georgios Chatzimilioudis, Demetrios Zeinalipour-Yazti, Paschalis Mpeis, Nikos Pelekis, Yannis Theodoridis,	IEEE Transactions on Knowledge and Data Engineering (TKDE '15), IEEE Computer Society, USA	27	3042-3055

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2024	SAIEnG: Smart AI-powered Energy Management System for Greener Communal Residences	RIF	Coordinator
2	2023	Phenotypos: A whole-plant phenotyping platform to improve plant productivity, agricultural sustainability, and resilience to climate change	RIF	WP Leader
3	2022	Green-HIT: A Green Holistic IoT platform for Forest Management	RIF	Coordinator

4	2022	Futures DesignED: Exploring Green Futures - Integrating the New European Bauhaus into Art and Design Education	Erasmus+	WP Leader
5	2022	AURA-Care: AUgmented and virtual ReAlity enabled communication, training and data streaming in healthcare	Eureka/Eurostars	WP Leader
6	2022	Be-Digital: Alliance for Fostering Business and Education Innovation through Digital Supply Chains	Erasmus+	WP Leader
7	2021	BCT4SMEs: High level knowledge awareness of BlockChain Technology applications in SMEs	Erasmus+	IO Leader
8	2021	OLMEdu: Open Lab for the up-skilling of higher educational staff in on-line Management Education	Erasmus+	IO Leader
9	2021	ASM4Deaf: Accessible System and Social Media Mobile Application for Deaf Users	RIF	WP Leader
10	2019	EnterCY: Enhancing Tourists Experience in Cyprus	RPF	Scientific Coordinator
11	2019	EnterCY: Enhancing Tourists Experience in Cyprus	RPF	Scientific Coordinator
12	2019	SaveOurFood: Food Waste, Circular Economy and Social Welfare	RPF	Research Team Member
13	2019	mLiver	RPF	Research Team Member
14	2019	Keynote: Conference Management System	Ministry of Energy, Commerce, Industry and Tourism	Scientific Coordinator
15	2018	SmarMapApp	RPF	Scientific Coordinator
16	2018	Geomatic: Multi-Objective Waste Management Optimization	RPF	Scientific Coordinator

17	2018	iLIFE-Troodos: Troodos National Forest Park: Promoting natural values and Ecosystem Services	EU	Research Team Member
18	2018	HIT: Hate Interrupter Teams	EU	Research Team Member
19	2017	Grow Me Up	H2020	Research Team Member
20	2016	Miraculous-Life for Elderly Independent Living	FP7	Research Team Member

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2023	Cyprus Seed	MammoCheck: Provides women with control over their breast health by offering a non-invasive, contactless, and painless method for performing breast cancer examinations at home	Machine Learning for breast cancer detection app
2	2022	Ministry of Education	Aristotelis (CYFIT): A web platform for students health	Development of a web platform
3	2021	University of Cyprus	Augmented Reality Smartphone Application for Amathus underwater old port	Development of an Android app
4	2021	Department of Forest	Cavo Gkreco Educational Online Game on Touch screens	Design and development of an online game
5	2020	ETAP Nicosia	Project Consultant	Design and Development of Nicosia Pass Application
6	2019	Ministry Of Education	Project Consultant	Design and Development of BeConnected Platform
7	2019	Ministry of Energy, Commerce, Industry and Tourism	Scientific Coordinator	Development of Conference Management Platform
8	2018	National Betting Authority	Project Consultant	Online Platform Development for National Betting Authority
9	2017	EU	Project Consultant	Dream Fighters: Smartphone Applications Development
10	2017	EU	Project Consultant	Development of a Microsite
11	2017	GreenDot/ Geomatic	Project Consultant	Smartphone Applications Development
12	2017	IBSCY	Project Consultant	Online Platform development

13	2017	National Addictions Authority Cyprus	Project Consultant	Online Platform development
14	2016	Department of Environment Cyprus	Project Consultant	Software Platform development

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	2023	EnterCY featured in the prestigious publication of the "Success Stories of the members of the European Office of Cyprus – Programming Period 2014-2020	European Office of Cyprus
2	2023	The Prospect of Real Estate Crowdfunding as an Alternative Investment Instrument in Cyprus, MDL PhD student Nader Nader	Consulco
3	2023	Mammocheck (MDL/FU Spinoff)	AmCham EU Youth Entrepreneurship Awards
4	2022	Third prize Digitalisation in Sustainable Cultural Tourism (EnterCY)	European Cultural Tourism Network (ECTN) Award
5	2019	Education Leaders Award	Hellenic Bank Cyprus
6	2018	Best Paper-award nomination, Best of MDM 2018, "Decaying Telco Big Data with Data Postdiction", (Geoinformatica - Springer - journal invitation)	IEEE