



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Markides
Name:	Christos
Rank/Position:	Assistant Professor
School:	Engineering
Department:	Electrical and Computer Engineering and Informatics
Scientific Domain:	Information Engineering

Academic qualifications				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD Information Engineering	2014	City University of London, UK	School of Mathematics, Computer Science and Engineering	Implementation of the Finite Difference Time Domain Algorithm for the Analysis of Terahertz Waves
MSc (Distinction) Engineering and Information Sciences	2002	University of Reading	Computer Science Department	Investigation of hybrid /drilled multilayer Interference filters for the 15-35 μ m band
BSc (Honors) in Computer Science and Cybernetics	1999	University of Reading	Computer Science Department	Ant Evolutionary Algorithms for Molecular Confirmation Problems

Employment history in Academic Institutions/Research Centers				
Period of employment		Employer	Location	Position
From	To			
2020	Present	Frederick Research Center	Cyprus	Researcher

2018	Present	Frederick University	Cyprus	Assistant Professor
2007	2018	Frederick University	Cyprus	Research Associate

Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1.	2023	Stroke Risk Stratification Using Transfer Learning on Carotid Ultrasound Images	Liapi, G.D., Loizou, C.P., Griffin, M., Nicolaidis, A., Kyriacou, E.	CAIP 2023, LNCS, Springer	14185	
2.	2021	A Web Platform and a Context Aware Recommender System for Active Sport Events	A. Achilleos, A. Konstantinides, R. Alexandrou, E. Zikouli, G. A. Papadopoulos	I4CS 2021, Springer 2021	1404	pp. 183-197
3.	2019	Adopting an Open Smart City Platform: A Survey	Achilleos A., Konstantinidis A., Giorkas I., Kapitsaki G., Mettouris C., Papadopoulos G. A	IEEE ISC2 2019		pp. 384-389
4.	2017	Adaptive Runtime Middleware: Everything as a Service	Achilleos A., Georgiou K., Konstantinidis A. and Papadopoulos G	ICCCI 2017, Springer		pp-484-494
5.	2020	Analysis of a single solid core flat fiber plasmonic refractive index sensor	Moutusi De, Singh V. K., Themistos C., and B. M. A. Rahman	Plasmonics, Springer	15	pp 1429-1437
6.	2013	Multimode Interference 3 dB Splitters in Hollow Core Metallic Waveguides for Low-Loss THz Wave Transmission	C. Themistos, H. Tanvir, B. M. A. Rahman, K. T. V. Grattan	JSTQE, IEEE	19	pp.850-0606
7.	2014	Characterization of low-loss waveguides and devices for terahertz radiation	B. M. A. Rahman, M. Uthman, A. Quadir, N. Kejalakshmy, and C. Themistos	Optical Engineering	53(3)	pp. 031210-031210
8.	2014	Characterization of graphene-based devices for THz Systems	Themistos, C., Rahman, B. M., Uthman, M., Quadir, A. & Kejalakshmy, N	SPIE Sensing Technology and Applications	9102	9102F

9.	2013	Dispersion characteristics of plasmonic waveguides for THz waves	C. Viphavakit, C. Themistos, M. Komodromos, K. Kalli, A. Quadir, A. Rahman	SPIE Optics and Optoelectronics	87750	87750 J
10.	2012	Characterization of microstrips for THz waves	C. Themistos, B.M.A. Rahman, K.T.V. Grattan,	IEEE, EDSSC		pp 1-4

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1.	2022 – 2024	Food Waste Management Information System for Hotels (FW4H)	RIF	FRC Coordinator
2.	2023	Shooting Range Targeting Management System (ARTEMIS)	RIF	Coordinator
3.	2022 – 2024	UPDEIT: UPDating university curricula on Early InTervention	Erasmus+	Researcher
4.	2022	Identification of unstable carotid plaques associated with symptoms using ultrasonic image analysis and plaque motion analysis (AtheroRisk)	RIF	Researcher
5.	2021 – 2024	DIGIWATER: Digitalisation of water industry by innovative graduate water education	Erasmus+	Researcher
6.	2021	Identification of unstable carotid plaques associated with symptoms using ultrasonic image analysis and plaque motion analysis (AtheroRisk)	RIF	Researcher
7.	2020-2022	Active Assisted Living Programme, Ageing Well in the Digital World	GUIDED, AAL EU Project	Researcher
8.	2019 – 2022	SportsTraveler76, Research in Startups	RIF	Researcher
9.	2014 – 2020	HIPPOACTIVE – Προηγμένος Εξομοιωτής Αλόγου για Ιπποθεραπεία	Ministry of Energy, Commerce,	Researcher

			Industry and Tourism	
10.	2016 – 2020	Accessible System and Social Media Mobile Application for Deaf Users	RIF	Researcher
11.	2016 – 2020	A Virtual Reality Booking Platform For The Hospitality Sector	RIF	Researcher
12.	2016 – 2020	KYAMOS REAI Live Simulation services - CLOUD computing on GPU	RIF	Researcher
13.	2019 – 2021	Inclusive university – a set of tools dedicated to HEI for better respond to disabled student’s needs	ERASMUS +	Researcher
14.	2017 – 2020	Troodos National Forest Park: Promoting natural values and Ecosystem Services	LIFE+, EC	Researcher
15.	2014 – 2018	LEADERS - Leading Mobility between Europe and Asia in Developing Engineering Education and Research	ERASMUS MUNDUS, EC	Frederick University, Co-Coordinator
16.	2013 – 2017	It’s Time for Collaboration TowArds Close CooperaTion	ERASMUS MUNDUS, EC	Co-Coordinator

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1.	2024	IEEE	Engineering in Medicine & Biology Society	Reviewer
2.	2023	MDPI	Special Issue in Applied Sciences (IoT and Smart Cities)	Guest Editor, Reviewer Referral
3.	2022 – 2024	Ministry of Education, Cyprus	Technical Schools, “Principles of Web Design I”, book	Academic Advisor
4.	2022	Springer	Sustainable Futures	Reviewer
5.	2017 – 2018	Ministry of Education, Cyprus	Technical Schools, Computers, Networks, and Communications Orientation	Curriculum Development

6.	2014 – Present	International Journal on Information Technologies and Security	Editorial Board	Reviewer, Reviewer Referral
7.	2015	Applied Computational Electromagnetic Society	International Conference Peer Review	Reviewer
8.	2012-2013	Ministry of Education, Cyprus	Post-Secondary Studies for Communication and Network Technicians	Curriculum Development

Awards / International Recognition

Ref. Number	Date	Title	Awarded by:
1.	2024	Oracle Academy Instructor	Oracle Academy
2.	2022	AWS Academy Instructor	AWS Academy
3.	2018	IBM NoSQL and Database-as-a-service	IBM CognitiveClass.ai
4.	2017	IBM Hadoop Foundations	IBM CognitiveClass.ai
5.	2016	IBM Big Data Fundamentals	IBM CognitiveClass.ai
6.	2011	CISCO IT Essentials Instructor	CISCO
7.	2014	LPI/CISCO Linux Essentials Instructor	NDG/CISCO
8.	2017	CISCO IoT Instructor	CISCO

Other Achievements

Ref. Number	Date	Title	Key Activities:
1	2006	FIT Certificate of Appreciation in Accreditation Process	Contributed in the Accreditation Process for the establishment of Frederick University