



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Nikolaou
Name:	Symeon
Rank/Position:	Professor
School:	Engineering
Department:	Electrical Computer Engineering and Informatics
Scientific Domain:	RF and Wireless Communication Applications -Specialization: Analogue RF and Microwave Systems–Antenna Design and RF Systems Components

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2007	Georgia Institute of Technology (GaTech)	Electrical and Computer Engineering (ECE)	Design and Implementation of Compact Reconfigurable Antennas for UWB and WLAN Applications
MSECE	2005	Georgia Institute of Technology (GaTech)	Electrical and Computer Engineering (ECE)	Design of Reconfigurable Annular Slot Antenna (ASA) for Wireless (WLAN) Application
BSECE	2003	National Technical University of Athens (NTUA)	School of Electrical and Computer Engineering (ECE)	Model and Simulation of Wireless Channel for Mobile and Personal Communications

Employment history in Academic Institutions/Research Centers						
Period of employment		Employer	Location	Position		
From	To					
2022	Today	Frederick University	Nicosia, Cyprus			Professor
2020	2022	Frederick University	Nicosia, Cyprus			Associate Professor
2016	2019	Frederick University	Nicosia, Cyprus			Assistant Professor
2007	2015	Frederick University	Nicosia, Cyprus			Lecturer
2003	2007	GaTech	Atlanta, GA, USA			Research Assistant

Key <u>refereed</u> journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	"Dual-Band Compact Rectenna for UHF and ISM Wireless Power Transfer Systems	Abdul Quddious, Salman Zahid, Farooq A Tahir, Marco A Antoniadis, P. Vryonides	IEEE Transactions on Antennas and Propagation	69	2392-2397
2	2020	Dynamically Reconfigurable UWB Antenna using a FET Switch Powered by Wireless RF Harvested Energy	Abdul Quddious, Muhammad Ali Babar Abbasi, Marco A Antoniadis, P. Vryonides	IEEE Transactions on Antennas and Propagation	68	5872-5881
3	2019	Reconfigurable BPF with Constant Centre Frequency and Wide Tuning Range of Bandwidth	S. Arain, A. Quddious, P. Vryonides	IEEE Transactions on Circuits and Systems II Express Briefs	67	1374-1378
4	2019	Dynamically Reconfigurable SIR Filter Using Rectenna and Active Booster	A. Quddious, MAB Abbasi, A.Saghir, S.Arain, Marco A. Antoniadis, P. Vryonides	IEEE Transactions on Microwave Theory and Techniques	67	1504-1515
5	2018	Single-/Dual-BPF Using Coupled-Line Stepped Impedance Resonator (CLSIR)	A.Saghir, A. Quddious, S.Arain, P. Vryonides	IEEE Transactions on Circuits and Systems II Express Briefs	66	1497-15-1
6	2018	A Compact Reconfigurable NRI-TL Metamaterial Phase Shifter for Antenna	M. A. B. Abbasi, M. A. Antoniadis P. Vryonides	IEEE Transactions on Antennas and	66 (2)	1025-1030

		Applications		Propagation		
7	2018	Reconfigurable Bandwidth Bandpass Filter With Enhanced Out-of-Band Rejection Using π -Section-Loaded Ring Resonator	S. Arain, P. Vryonides, M. A. B. Abbasi, A. Quddious, M. A. Antoniadis	IEEE Microwave and Wireless Components Letters	28(1)	28-30
8	2017	Compact EBG-Backed Planar Monopole for BAN Wearable Applications	M. A. B. Abbasi, S. Nikolaou, M. A. Antoniadis, M. N. Stevanovic and P. Vryonides	IEEE Transactions on Antennas and Propagation	65(2)	1-11
9	2017	Design and Development of a Compact UWB Monopole Antenna With Easily-Controllable Return Loss	M. A. B. Abbasi	IEEE Transactions on Antennas and Propagation	65(4)	2063-2067
10	2014	Simultaneous Wireless Information and Power Transfer in Modern Communication Systems	J. Krikidis, S. Timotheou, G. Zheng, D. W. Kwan Ng, and R. Schober	IEEE Communications Magazine	52(11)	104-110

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	Sep 2022 – Aug 2025	Healthy Sailing	Horizon	FU coordinator
2	Apr 2022 – Mar 2024	Smart Metasurfaces a Key Enabling Technology for Future 6G CommunicationS - SMURFS	RIF	Project coordinator
3	Jun 2021-May 2024	COMPSAFENANO	H2020	FU coordinator
4	Jan 2021-Dec 2023	Drone Early Warning and Jamming System - DroneEye	Ministry of Defence	FU coordinator
5	Dec 2020 – Sep 2022	Flying RFID Reader for Enhanced Range and Near Zero Shadowing - FRLiD	RIF	FU coordinator
6	Mar 2019 – Oct 2022	Robotically Controlled RADAR Inspired Wireless Charging for/from Flying UAV PlatformS - ICARUS	RIF	Project Coordinator
7	Mar 2019- June-2023	Advanced RF Electronics Centre for Adaptive Metamaterials – RF-META	RPF	FRC Coordinator

8	Dec 2018- May 2022	Simultaneous Wireless Information & energy Transfer for low-powered Communication technologies - SWITCH	RPF	Project Coordinator
9	Aug2009-Nov2011	Design and implementation of reconfigurable passive modules for next generation cognitive radios	RPF	Project Coordinator
10	Aug2009-Jul2012	Design and implementation of RFID modules on low-cost paper for next generation ad-hoc networks	RPF	Project Coordinator

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	Nov2017-now	IET	Associate Editor IET Microwaves Antennas and Propagation	Assigning reviewers and making decisions on the publication of manuscripts
2	2016-now	IJAP	Associate Editor International Journal on Antennas and Propagation	Assigning reviewers and making decisions on the publication of manuscripts
3	2009-now	EuCAP	TPC member	Assigning reviewers and making decisions on the publication of manuscripts
4	2016-now	MOCAS	TPC member	Assigning reviewers and making decisions on the publication of manuscripts
5	2018-now	ISMICT	TPC member	Assigning reviewers and making decisions on the publication of manuscripts

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	2019	MOCAS T 2019, Best Paper Award on Communications for S. Arain, A. Quddious, A. Saghir, S. Nikolaou, and P. Vryonides , "Reconfigurable BPF with Wide Tuning Bandwidth Range Using Open- and Short-Ended Stubs," in <i>2019 8th International Conference on Modern Circuits and Systems Technologies (MOCAS</i> T), 2019, pp. 1-4: IEEE.	International Conference on Modern Circuits and Systems Technologies (MOCAST)- 2019
2	2018	2018 Best Paper Award from IEEE ComSoc Green Communications & Computing Technical Committee for J. Krikidis, S. Timotheou, S. Nikolaou , G. Zheng, D. W. Kwan Ng, and R. Schober "Simultaneous Wireless Information and Power Transfer in Modern Communication Systems", IEEE Communications Magazine, vol. 52, Iss. 11, Nov. 2014	IEEE COMSOC 2018
3	2006	Best Student paper competition finalist for S.Nikolaou, G.E. Ponchak, J. Papapolymerou, and M. M. Tentzeris, " CPW-fed Elliptical Slot UWB Antenna with a Tuning Unevec U-shape Stub on Liquid Crystal Polymer (LCP)", Proc. of the 2006 ACES Conference, Miami, FL, March 2006	ACES Conference 2006
4	2005	Best Student paper competition finalist for S. Nikolaou , G.E. Ponchak, J. Papapolymerou, and M.M. Tentzeris, " Double Exponentially Tapered Slot Antenna (DETSA) on Liquid Crystal Polymer (LCP) for UWB Applications" 2005 IEEE-APS Symposium, pp.623-626, vol.2A, Washington, DC, July 2005	IEEE AP-S Conference, 2005

Other Achievements			
Ref. Number	Date	Title	Key Activities:
1	2003-2005	Fulbright Traditional Scholarship for Masters studies 2003-2005	For MEECE degree at GaTECH ECE
2	1998-2003	Honorary scholarship from Greece State Scholarship Foundation during undergraduate studies 1998-2003 for ranked first in the national (Cyprus) university placement exams	For Diploma in ECE at NTUA, Athens, GR
3	2003	Graduated from ECE NTUA with Highest Honours 9.0/10.0	Diploma in ECE at NTUA, Athens, GR
4	1996	Ranked 1 st out of 8000 candidates in the 1996 national exams for university access	To secure position with ECE, NTUA