



Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Hadjiantonis
Name:	Antonis
Rank/Position:	Associate Professor
Faculty:	Sciences & Engineering
Department:	Engineering
Scientific Domain: *	Communication Networks, Power Grids

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2006	Graduate School and University Center of the City University of New York	Electrical Engineering	A Framework for Traffic Engineering of Diverse Traffic Granularity Entirely on the Optical Layer Terms
MPhil	2000	Graduate School and University Center of the City University of New York	Electrical Engineering	
MEng	1996	City College of the City University of New York	Electrical Engineering	Physical constrains on Optical Transmission
BEng	1998	City College of the City University of New York	Electrical Engineering	



Employment history in Academic Institutions/Research Centers–List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2006	today	Intercollege – University of Nicosia	Nicosia	Assoc. Professor
2008	2011	Cyprus Academic Research Institute (CARI)	Nicosia	Senior Researcher
2005	2008	Signal Generix Ltd.	Limassol	Senior Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected – (max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Design and Analysis of a High-Frequency 3-phase Distributed Static Compensator (HFDSC)	V. Satyamsetti, A. Michaelides, and A.C. Polycarpou	44th Annual Conference of the IEEE Industrial Electronics Society	IECON 2018	
2	2018	Small-Size, Low-Weight, Single-Phase Inverter for Domestic Applications	V. Satyamsetti, A. Michaelides, A. Polycarpou and T. Nicolaou	IEEE 53rd International Universities Power Engineering Conference	UPEC 2018	
3	2017	Forecasting on solid state transformer applications	V. Satyamsetti, A. Michealides	International Conference on Intelligent Sustainable Systems	DOI: 10.1109/ISS1.2017.8389425	330-335
4	2016	Indirect crosstalk-aware routing and wavelength assignment in transparent optical networks with the use of Genetic Algorithms	D. Monoyios, K. Manousakis, C. Christodoulou, K. Vlachos and G. Ellinas	18th International Conference on Transparent Optical Networks (ICTON)		
5	2015	Impairment-aware multicast session provisioning in metro optical	T. Panayiotou, G. Ellinas, and N. Antoniadis	Computer Networks	91, 14	675-688

		networks				
6	2010	On the Vision of Complete Fixed-Mobile Convergence	M. A. Ali, G. Ellinas, H. Erkan, and R. Dorsinville,	Journal of Lightwave Technology	28,16	2343-2357
7	2009	On the Merits of Migrating From Legacy Circuit-Switched Cellular Infrastructure to a Fully Packet-Based RAN Architecture	S.R. Sherif, G. Ellinas, R. Dorsinville, and M. A. Ali,	Journal of Lightwave Technology	27,12	1968-1977
8	2011	The Optical Control Plane and a Novel Unified Control Plane Architecture for IP/WDM Networks	G. Ellinas, A. Khalil, N. Antoniadou and M.A. Ali	Chapter 3: The optical control plane and a novel unified control plane architecture for IP/WDM networks - Cambridge University Press	ISBN: 978-0-521-11368-7	42-71
9	2015	Reliability Considerations of the Emerging PON-Based 4G Mobile Backhaul RAN Architecture	H. Erkan, G. Ellinas, R. Dorsinville, and M. Ali	Photonic Network Communications	26, 1	40-56
10	2009	On the Merits of Migrating From Legacy Circuit-Switched Cellular Infrastructure to a Fully Packet-Based RAN Architecture	S.R. Sherif, G. Ellinas, R. Dorsinville, and M. A. Ali,	Journal of Lightwave Technology	27, 12	1968-1977

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2010-2012	Converged Fixed-Mobile Networking Transport Infrastructure for Next-Generation	RPF, Cy	Partner
2	2008-2012	Next generation hybrid optical-wireless communications laboratory	RPF, Cy	Partner
3	2008-2011	Novel Architecture for Fiber to the Home (FTTH) solutions based on WDM-PON	RPF, Cy	Coordinator
4	2008-2011	Multicasting and groupcasting with physical layer constraints in metropolitan optical networks with mesh topologies	RPF, Cy	Coordinator
5	2005-2008	OPTISOFT : ΛΟΓΙΣΜΙΚΟ ΕΡΓΑΛΕΙΟ ΠΡΟΣΟΜΟΙΩΣΗΣ ΓΙΑ ΟΠΤΙΚΑ ΔΙΚΤΥΑ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ", 2005	RPF, Cy	Coordinator
6	2005-2006	Resilient IP-over-WDM Networks	PSC-CUNY, USA	Senior Researcher
7	2005-2006	Dynamic Distributed Bandwidth Allocation	PSC-CUNY, USA	Senior Researcher
8	2004-2004	Optical Switching & Multimedia Technology	AMTEKRON, Inc	Researcher
9	2005-2008	Ultra-High Capacity Networking	Drexler University	Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other