



Academic Personnel Short Profile / Short CV

University:	Cyprus University of Technology
Surname:	Michaelides
Name:	Michalis
Rank/Position:	Assistant Professor
Faculty:	Engineering and Technology
Department:	Electrical Engineering and Computer Engineering and Informatics
Scientific Domain: *	Communication Systems, Signals and Information Processing

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D. Electrical Engineering	2009	University of Cyprus, Nicosia, Cyprus	Electrical and Computer Engineering	Distributed Event Detection and Localization in Wireless Sensor Networks
M.S. Electrical Engineering	1998	Purdue University, West Lafayette, Indiana, USA	Electrical and Computer Engineering	
B.S. Electrical Engineering	1997	Purdue University, West Lafayette, Indiana, USA	Electrical and Computer Engineering	

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

Period of employment		Employer	Location	Position
From	To			
2017	today	Cyprus University of Technology	Limassol, Cyprus	Assistant Professor
2012	2017	Cyprus University of Technology	Limassol, Cyprus	Lecturer
2009	2011	KIOS Research Center, University of Cyprus	Nicosia, Cyprus	Research Fellow
2005	2009	Dept. ECE, University of Cyprus	Nicosia, Cyprus	Research / Teaching Assistant
2002	2007	Nicosia Race Club	Nicosia, Cyprus	Information Tech. Officer
1999	2002	MEDVISION	Nicosia, Cyprus	Medical Service Engineer

PUBLICATIONS (Selected)

Ref #	Year	Title	Other Authors	Journal/ Publisher/ Conference	Vol	Pages
1	2019	Port-2-Port Communication Enhancing Short Sea Shipping Performance: The Case Study of Cyprus and the Eastern Mediterranean	Herodotos Herodotou, Mikael Lind and Richard T. Watson	Sustainability/ MDPI	11(7)	1912
2	2019	COMOB: A MATLAB Toolbox for Sensor Placement and Contaminant Event Monitoring in Multi-zone Buildings	Alexis Kyriakou, Demetrios G. Eliades, Christos Panayiotou and Marios M. Polycarpou	Building and Environment/ Elsevier	154	348-361

3	2018	Distributed Contaminant Detection and Isolation in Intelligent Buildings	Alexis Kyriakou, Vasso Reppa, Stelios Timotheou, Christos Panayiotou and Marios M. Polycarpou	IEEE Transactions on Control Systems Technology	26(6)	1925-1941
4	2018	A Cognitive Monitoring System for Detecting and Isolating Contaminants and Faults in Intelligent Buildings	Giacomo Boracchi, and Manuel Roveri	IEEE Transactions on Systems, Man, and Cybernetics: Systems	48 (3)	433-447
5	2017	Partitioning of Intelligent Buildings for Distributed Contaminant Detection and Isolation	Alexis Kyriacou, Stelios Timotheou, Christos Panayiotou and Marios Polycarpou	IEEE Transactions on Emerging Topics in Computational Intelligence	1 (2)	72-86
6	2014	FTLT: Fault Tolerant Localization and Tracking of Multiple Sources in WSNs using Binary Data	Christos Laoudias and Christos G. Panayiotou	IEEE Transactions on Mobile Computing	13 (6)	1213 – 1227
7	2014	ftTRACK: Fault Tolerant Target Tracking in Binary Sensor Networks	Christos Laoudias and Christos G. Panayiotou	ACM Transactions on Sensor Networks (TOSN)	10 (4)	64
8	2014	Contaminant Event Monitoring in Multi-zone Buildings Using the State-space Method”, Building and Environment	Vasso Reppa, Marinos Christodoulou, Christos G. Panayiotou and Marios M. Polycarpou	Building and Environment/ Elsevier	71 (0)	140-152

9	2013	Security-oriented sensor placement in intelligent buildings	Demetrios G. Eliades, Christos G. Panayiotou and Marios M. Polycarpou	Building and Environment/ Elsevier	63	114-121
10	2009	SNAP: Fault Tolerant Event Location Estimation in Sensor Networks using Binary Data	C. G. Panayiotou	IEEE Transactions on Computers	58 (9)	1185-1197

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref #	Date	Title	Funded By	Project Role*
1	1/19-12/21	STEAM: Sea Traffic Management in the Eastern Mediterranean	RPF	Project Coordinator
2	9/15-9/18	Sea Traffic Management Validation	EU	Research Team Member / Business Coordinator
3	1/14-12/16	Environmental Monitoring using WSNs	CUT	Project Coordinator
4	1/11-12/13	iSense: Making Sense of Nonsense	EC FP7	Researcher
5	9/10-9/13	Fault Tolerant Detection, Localization and Tracking using WSNs	RPF	Researcher
6	7/11-6/12	WATERBEE DA: WaterBee Demonstration Action	EC FP7	Research Team Member
7	9/08-8/10	WATERBEE: Intelligent ZigBee Enabled Water Irrigation System	EC FP7	Primary Researcher
8	9/05-8/08	POSEIDON: Environmental Monitoring Using Sensor Networks	RPF	Primary Researcher
9	1/06-12/07	NoE: CRUISE: CReating Ubiquitous Intelligent Sensing Environments	EC FP6	Research Team Member

10	1/05-12/06	NoE: E-NEXT Sensor Networks Task Force	EC	Research Team Member
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	Since 2014	IEEE Cyprus	Member of Executive Committee	Responsible for attending meetings and taking part in all decisions concerning the IEEE Cyprus section
2	Since 2014	IEEE Cyprus	Student Branch Counselor for IEEE Student Branch at the Cyprus University of Technology	Responsible for the formation, guidance and assistance of the newly established Student Branch
3	2014-2015	IEEE Cyprus	Chair of Computational Intelligence Society (CIS) Chapter	Responsible for promoting activities related to the interests of the society.
4	Since 2012	CUT	Member of the Department Council	Responsible for attending department meetings and taking part in all decisions concerning the department
5	Since 2012	CUT	Member of the Postgraduate Studies Committee	Responsible for the organization and regulation of postgraduate studies

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Awarded by:
1	2014	Best Paper Award	Elsevier Building and Environment Journal
2	1997-1998	Magoon award for outstanding teaching assistants	Purdue University
3	1993-1998	Dean's list and semester honors	Purdue University
4	1993-1997	Full Scholarship award	Cyprus America Scholarship Program (CASP)

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Key Activities:
1	2014-2019	Air Quality Monitoring in Limassol	16 wireless nodes equipped with sensors for measuring temperature, humidity, light, noise, CO ₂ , CO, NO ₂ , O ₃ and PM
2	2014-2019	Matlab-CONTAM Toolbox	Sensor placement and contaminant event monitoring in intelligent buildings
3	2009-2014	SNAP (Subtract on Negative, Add on Positive) algorithm	Fault tolerant event localization in Wireless Sensor Networks using binary data
4	2008-2010	WATERBEE	Intelligent irrigation scheduling system that enables farmers to optimize the use of water for irrigating their crops