



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Demetriou
Name:	Giorgos
Rank/Position:	Associate Professor
School:	School of Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Robotics

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Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D.	1998	University of Louisiana, Lafayette	Computer Science	"Hybrid Control Architecture for an Autonomous Underwater Vehicle (AUV)"
M.S.	1994	University of Louisiana, Lafayette	Computer Engineering	
B.S.	1990	University of Southwestern Louisiana	Electrical Engineering	

Employment history in Academic Institutions/Research Centers				
Period of employment		Employer	Location	Position
From	To			
2006	Present	Frederick University	Lemesos, Cyprus	Associate Professor
2004	2005	Purdue University (IPFW)	Fort Wayne, Indiana, USA	Assistant Professor of the Department Computer Engineering

2000	2004	University of Southern Mississippi (USM)	Long Beach, Mississippi, USA	Assistant Professor of the Department Computer Science Computer Science Department Coordinator Computer Science Graduate Coordinator
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Key refereed journal papers, monographs, books, conference publications etc. (up to ten until May 2021)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2013	"The Pedagogical Framework for Integrating Robotics as an Interdisciplinary Learning - Cognitive Tool"	N. Eteokleous, A. Lambrou	<i>Information and Communications Technology: New Research</i> , Nova Science Publishers, Inc.	Ch. 7	141-158
2	2011	"Mobile Robotics in Education and Research," in <i>Mobile Robots</i>		InTech Publications	Ch. 2	27-48
3	2007	"VisiLogic: Digital Logic Education Through Interaction"	G. Simmons	The Cyprus Journal of Science and Technology	Vol. 5, No. 3	
4	2005	"Virtual environments for robotics education: an extensible object-oriented platform"	A. Lambert	IEEE Robotics and Automation	Vol. 12, No 4	75-91
5	2004	"An Algorithm for Geolocation: Marine Buoys in a Fully Immersive Three Dimensional Bathymetric Environment"	C. Brown	Journal of Mississippi Academy of Science	Vol. 49, No. 1	
6	1997	"Control Architectures for Autonomous Underwater Vehicles"	K. P. Valavanis, D. Gracanin, M. Matijasevic, R. Kolluru	IEEE Control Systems	Vol. 17, No. 6	48-64
7	2016	"ERON: A Flexible Autonomous Surface Vessel"	S. Ioannou, A. Hadjipieri, I.E. Panayidou, A. Papisavva, A. Savva	The 24 th Mediterranean Conference on		

				Control and Automation (MED 16)		
8	2016	"ERON: A PID Controlled Autonomous Surface Vessel"	A. Hadjipieri, I.E. Panayidou, A. Papasavva, S. Ioannou	18 th Mediterranean Electrotechnical Conference (MELECON 16)		
9	2013	"The Engino Robotics Platform (ERP) Controller for Education"	A. Lambrou, N. Eteokleous, C. Sisamos	21st IEEE Mediterranean Conference on Control and Automation (MED 13)		
10	2009	"Robotic Wheel Chairs"		9th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB2009)		
11	2008	"Indoor Mobile Robot Localization Using a Wireless Network: WiFiBot Case Study"	Vystavkin, S. Anastasiou, A. Theofilou, C. Giannopoulos, D. Yerolemou	The 2008 International Conference on Artificial Intelligence (ICAI 08)		
12	2006	"A Survey of Sensors for Localization of Unmanned Ground Vehicles (UGVs)"		The 2006 International Conference on Artificial Intelligence (ICAI 06)		
13	2005	"Visual Transistors: An Intelligent Tutorial for Teaching Transistor Functionality for Digital Logic Students"	G. Simmons	The 2005 International Conference on Machine Learning; Models, Technologies and Applications		

14	2004	"Geolocating Marine Buoys in a Fully Immersive Three Dimensional Bathymetric Environment"	C. Brown, L. Perkins	The 2004 International Conference on Modeling, Simulation and Visualization Methods		
15	2004	"VisiLogic: An Intelligent Visual Tool for Teaching Digital Logic"	G. Simmons	The 2004 International Conference on Machine Learning; Models, Technologies and Applications		
16	2004	"VROBO: Virtual Robotics Development Platform for Use in Robotics Education and Research"	A. Lambert	Hawaii International Conference on Computer Sciences		
17	2003	"Visual K-Map: An Intelligent Tutorial for Solving Karnaugh Maps"	G. Simmons	The 2003 International Conference on Machine Learning; Models, Technologies and Application		
18	1997	"A State Configured Sensor Based Control Architecture for an Autonomous Underwater Vehicle"	K. P. Valavanis	the 5th IEEE Mediterranean Conference on Control and Systems		
19	1997	"Development of a Virtual Reality Testbed and AUV Control Architecture for Coastal / Shallow Water Environments"	D. Gracanin, K. P. Valavanis, R. Kolluru	Proceedings of COSU'97 Coastal Ocean Space Utilization	Vlo. 2	305 - 320
20	1996	"A Virtual Reality Environment for Real-Time Tele-Robot Control: The AdeptOne/AdeptThree Case Study"	M. Talley, D. Gracanin, K. P. Valavanis	Proceedings of the Fourth IEEE Mediterranean Symposium on New Directions in Control and Automation		370 - 374

Research Projects (up to ten until May 2021)				
Ref. Number	Date	Title	Funded by	Project Role
1	2012-2014	“Development of a 3d Design Software for Children”	Cyprus Research Promotion Foundation (ΕΠΙΧΕΙΡΗΣΕΙΣ/ΠΡΟΪΟΝ/0311)	Partner
2	2009-2012	“ <i>Robotic Models for Teaching Control Systems</i> ”	Cyprus Research Promotion Foundation (ΕΠΙΧΕΙΡΗΣΕΙΣ/ΕΦΑΡΜ/0308/60)	Partner
3	1995-1998	“ <i>Object Identification, Classification and Avoidance in 3-D Underwater Automated Surveillance</i> ”	National Science Foundation (BES 95-06771)	Partner

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	2008	Conference Best Paper: G. A. Demetriou, A. Vystavkin, S. Anastasiou, A. Theofilou, C. Giannopoulos, D. Yerolemu. “Indoor Mobile Robot Localization Using a Wireless Network: WiFiBot Case Study”	The 2008 International Conference on Artificial Intelligence (ICAI'08), Las Vegas, Nevada, July 14-17, 2008
2	2007	Achievement Award	The 2007 World Congress in Computer Science, Computer Engineering and Applied Computing (WORLDCOMP'07), Las Vegas, Nevada, 2007
3	2006	Achievement Award	The 2006 World Congress in Computer Science, Computer Engineering and Applied Computing (WORLDCOMP'06), Las Vegas, Nevada, 2006
4	1998	SILMA Inc. National Award: Simulation of manufacturing cells with realistic constraints using the SILMA CimStation packages	SILMA Inc.

Other Achievements			
Ref. Number	Date	Title	Key Activities:
1	2008	Development of the Robotics and Automated Systems Laboratory	Founder and Director
2	2013	Akadimia Rompotikis (Robotics Academy)	Co-founder and Co-director
3	2013	Associate Editor for the proceedings of The 21 st Mediterranean Conference on Control and Automation (MED'13)	
4	2008	Associate Editor for the Proceeding of the 2008 International Conference on Artificial Intelligence (ICAI'08)	
5	2007	Associate Editor for the Proceeding of the 2007 International Conference on Artificial Intelligence (ICAI'07), Vol. I and II, June, 2007, Las Vegas, Nevada, USA	
6	2006	Associate Editor for the Proceeding of the 2006 International Conference on Artificial Intelligence (ICAI'06)	