FORM NUM: 500.1.03

Academic Personnel Short Profile / Short CV

University:	CYPRUS UNIVERSITY OF TECHNOLOGY
Surname:	DELIPARASCHOS
Name:	KYRIAKOS
Rank:	SPECIAL TEACHING STAFF
Faculty:	SCHOOL OF ENGINEERING
Department:	ELECTRICAL AND COMPUTER ENGINEERING & INFORMATICS
Scientific Domain: *	EMBEDDED SYSTEMS AND HIGH PERFORMANCE CONTROL AND ROBOTIC APPLICATIONS

* Field of Specialization

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D.	2010	National Technical University of Athens	Electrical Engineering & Computer Engineering	Architectural Design, Implementation and Application of Intelligent Control Algorithms in Digital VLSI Systems
M.Sc.	1999	De Montfort University, Leicester, UK and National Technical University of Athens	Mechatronics	Implementation and Testing of Variable-Time-Delays-Robust Telemanipulation through Master State Prediction
B.Eng (Hons)	1998	De Montfort University, Leicester, UK	Electronics Engineering	Digit-Serial IIR Filter Implementation on FPGA

Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	**To**			

10/2010	Now	Cyprus University of Technology	Limassol, Cyprus	Teaching and Research
9/2019	12/2019	Cranfield University	Cranfield, UK	Research
9/2014	12/2014	Trinity College	Dublin, Ireland	Research

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	2020	Robust Dynamic CPU Resource Provisioning in Virtualized Servers	E. Makridis, K. M. Deliparaschos, E. Kalyvianaki, A. C. Zolotas, and T. Charalambous	IEEE Transactions on Services Computing	10.1109/TSC.2020.2966972	
2	2017	Incremental 2D Delaunay Triangulation Core Implementation on FPGA for Surface Reconstruction via High-Level Synthesis	C. Kallis, K. M. Deliparaschos, G. P. Moustris, A. Georgiou, and T. Charalambous	IEEE International Conference on Emerging Technologies And Factory Automation (IEEE ETFA'17)		
3	2016	FPGA-based efficient hardware/software co-design for industrial systems with systematic sensor selection	K. M. Deliparaschos, K. Michail, A. C. Zolotas, S. G. Tzafestas	Journal of Electrical Engineering	67 (3)	150-159
4	2015	AI-Based Actuator/Sensor Fault Detection With Low Computational Cost for Industrial Applications	K. Michail, K. M. Deliparaschos, S. G. Tzafestas, and A. C. Zolotas	IEEE Transactions on Control Systems Technology	24 (1)	239-301
5	2017	On the issue of LQG-based embedded control realization in a Maglev rail application	K. M. Deliparaschos, K. Michail, G. Moustris, A. C. Zolotas, and C. Tzafestas	_23rd Mediterranean Conference on Control and Automation (MED'16)_		

6	2016	On the use of Fuzzy Logic Controllers to Comply with Virtualized Application Demands in the Cloud,	K. M. Deliparaschos, T. Charalambous, E. Klerides	*15th European Control Conference (ECC'16)*		
7	2015	A model-based embedded control hardware/software co-design approach for optimized sensor selection of industrial systems	K. M. Deliparaschos, K. Michail, S. G. Tzafestas, and A. C. Zolotas	*22nd Mediterranean Conference on Control and Automation (MED'15)*		
8	2011	Evolution of autonomous and semi-autonomous robotic surgical systems. A review of the literature	G. P. Moustris, S. Hiridis, K. M. Deliparaschos, and K. Konstantinidis	*International Journal of Medical Robotics and Computer Assisted Surgery*	10.1002/rcs.408	
9	2010	Fuzzy logic path tracking control for autonomous non-holonomic mobile robots: Design of system on a chip	S. G. Tzafestas, K. M. Deliparaschos, and G. P. Moustris	*Journal of Robotics and Autonomous Systems*	58	1017-1027
10	2006	Design and Implementation of a Fast Digital Fuzzy Logic Controller Using FPGA Technology	K. M. Deliparaschos, F. I. Nenedakis, and S. G. Tzafestas	*Journal of Intelligent and Robotics Systems*	45	77-96

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.

(max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					
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*Specify venue, geographic location etc

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	9/2019-12/2019	HumanDrive	UK Government through the Centre for Connected and Autonomous Vehicles (CCAV) and Innovate UK, and nine other consortium partners	Senior Researcher
2	09/2014 – 12/2014	DISCUS	FP7-ICT-GA 318137	Researcher
3	9/2007-6/2008	Ecological and Efficient Desalination Unit	EPAN, General Secretariat for Research and Technology	Researcher

			(GSRT), Greek Ministry of Development	
4	9/2006-6/2007	Virtual social incubator	EQUAL, Net DYEKO, Greek Ministry of Employment)	Researcher
5	9/2000-9/2001	"HYGEIOROBOT", GSRT, Greek Ministry of Development	PENED	Researcher

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

Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2014-2020	MED	Program committee	New Methods and Tools for Big Data and Semantic Analytics on the Web (MT4BD – 2019)
2	2014-2020	*ICINCO*	Reviewer	Referee service
3	2014-2020	ECTA	Reviewer	Referee service
4	11/2013	SysTol	Chair for regular session	FrA3: Mechatronic and Robotics Systems
5	1 – 4 / 2014	IEEE/TCAS	Reviewer	Referee service

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)			
Ref. Number	Date	Title	Awarded by:
1	2010	"Fuzzy logic path tracking control for autonomous	*SciVerse-ScienceDirect*

		non-holonomic mobile robots: Design of system on a chip" (co-author) *top 25 hottest articles in Robotics and Autonomous Systems, SciVerse-ScienceDirect*	

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)			
Ref. Number	**Date**	**Title**	**Key Activities:**
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