

Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Lestas
Name:	Marios
Rank/Position:	Associate Professor
School:	Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Control Systems and Intelligent Networks

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2006	University of Southern California	Electrical Engineering	Intelligent Congestion Control for Computer Networks
M. Eng, B.A.	2000	University of Cambridge, U.K.	Electrical and Information Sciences	Decoupling Methods for Vehicle Active Suspensions

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
2017	Now	Frederick University	Nicosia	Associate Professor
2010	2017	Frederick University	Nicosia	Assistant Professor
2007	2009	University of Cyprus	Nicosia	Visiting Lecturer

Key refereed journal papers, monographs, books, conference publications etc.

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2024	Engineering Yeast Cells to Facilitate Information Exchange	Ntetsikas N., Kyriakoudi S., Kirmizis A., Unluturk B., Pitsillides A., Akyildiz I. F	IEEE Transactions on Molecular, Biological and Multi-Scale Communications	Vol. 10	2-20
2	2023	Intelligent Beam Steering for Wireless Communication Using Programmable Metasurfaces	N. Ashraf, T. Saeed, H. Taghvaei, S. Abadal, V. Vassiliou, C. Liaskos, A. Pitsillides	IEEE Transactions on Intelligent Transportation Systems	Vol. 24	4848 - 4861
3	2023	Workload characterization and traffic analysis for reconfigurable intelligent surfaces within 6G wireless systems	T. Saeed, S. Abadal, C. Liaskos, A. Pitsillides, H. Taghvaei, A. Cabellos-Aparicio, V. Soteriou, E. Alarcon, Ian F Akyildiz	IEEE Transactions on Mobile Computing	Vol. 22	3079 - 3094
4	2020	Toward Fault-Tolerant Deadlock-Free Routing in HyperSurface-Embedded Controller Networks	Saeed T., Soteriou V., Liaskos C., Pitsillides A.	IEEE Networking Letters	2 (3)	140-144
5	2019	Analysis of Probabilistic Flooding in VANETs for Optimal Rebroadcast Probabilities	Saeed T. S, Mylonas Y, Pitsillides A., Papadopoulou V.	IEEE Transactions Intelligent Transportation Systems	20 (2)	556-570
6	2019	Combined Data Rate and Energy Management in Harvesting Enabled Tactile IoT Sensing Devices	Nouman A., Hasan A. Qureshi H.K	IEEE Transactions on Industrial Informatics	15 (5)	3006-3015
7	2015	Speed Adaptive Probabilistic Flooding for Vehicular ad hoc Networks	Y. Mylonas, A. Pitsillides, P. Ioannou and Papadopoulou V.	IEEE Transactions on Vehicular Technology	64 (5)	1973-1990

8	2012	Broadcast Scheduling with Multiple Concurrent Costs	C. Liaskos, Xeros A., Papadimitriou G, Pitsillides A.,	IEEE Transactions on Broadcasting	58 (2)	178-186
9	2012	Balancing Wireless Data Broadcasting and Information Hovering for Efficient Information Dissemination	C. Liaskos, Xeros A., Papadimitriou G, Pitsillides A.,	IEEE Transactions on Broadcasting	588 (1)	66-76
10	2011	A New Estimation Scheme for the Effective Number of Users in Internet Congestion Control	Pitsillides A., Ioannou P. and Hadjipollas G	IEEE Transactions on Networking	19 (5)	1499-1512
11	2005	Adaptive Nonlinear Congestion Controller for a Differentiated-Services Framework	Pitsillides A., Ioannou P., Rossides L	IEEE Transactions on Networking	13 (1)	94-107

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2024	Connected AUTOonomous Driving and Perception using Reconfigurable Intelligent METAsurfaces	RIF	Project Coordinator
2	2024	Decentralized Energy Management Platform for Smart Communities	RIF	FRC Coordinator
3	2024	Peer-to-Peer Green Energy Sharing Platform for Cold Ironing	RIF	FRC Coordinator
4	2022	A Yeast Pheromone Testbed for Molecular Communications	RIF	Project Coordinator
5	2017	EY-KINISIS: Telematics System in Public Transport	Interreg	FRC Coordinator

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2018-2022	Cyprus State Scholarship Board	Member of Evaluation Committee	Evaluator