

Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Chrysostomou
Name:	Chrysostomos
Rank/Position:	Associate Professor
School:	Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Computer Networks

Academic qualifications				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D. in Computer Science	2006	University of Cyprus, Cyprus	Computer Science	Fuzzy Logic Based Active Queue Management Congestion Control in TCP/IP Networks
M.Sc. in Telematics (Communications & Software)	1999	University of Surrey, UK	Electronic & Electrical Engineering	
Bachelor of Engineering (B.Eng.) with First Class Honours in Electronic & Electrical Engineering	1998	University of Surrey, UK	Electronic & Electrical Engineering	

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
October 2008	present	Frederick University	Cyprus	Lecturer/Assistant Professor/Associate Professor
January 2007	June 2008	University of Cyprus	Cyprus	Visiting Lecturer
October 2002	December 2006	University of Cyprus	Cyprus	Special Teaching Staff

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

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Holo-Block Chain: A Hybrid Approach for Secured IoT Healthcare Ecosystem	A. Aftab, H.K. Qureshi, S. Rehman	2022 18th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2022), technically co-sponsored by IEEE		243-250
2	2022	Joint Radio Resource Allocation and Beamforming Optimization for Industrial IoT in SDN-based Virtual Fog-RAN 5G-and-Beyond Wireless Environments	P. Rahimi, H. Pervaiz, V. Vassiliou, Q. Ni	IEEE Transactions on Industrial Informatics, DOI: 10.1109/TII.2021.3126813	18(6)	4198-4209
3	2021	Dynamic Resource Allocation for SDN-based Virtual Fog-RAN 5G-and-Beyond Networks	P. Rahimi, H. Pervaiz, V. Vassiliou, Q. Ni	2021 IEEE Global Communications Conference (IEEE GLOBECOM 2021)		01-06

4	2020	An Energy-Efficient Machine-Type Communication for Maritime Internet of Things <i>[Session's Best Presenter Certificate]</i>	P. Rahimi, I. Kyriakides, V. Vassiliou	11th Annual IEEE Information Technology, Electronics and Mobile Communication Conference (IEMCON 2020)		668–676
5	2020	Social-Aware Clustering for D2D Multicast Content Sharing in 5G Networks <i>[Best paper Award]</i>	P. Rahimi, V. Vassiliou	2020 IEEE Global Information Infrastructure and Networking Symposium (GIIS 2020)		
6	2020	A Secure Communication for Maritime IoT Applications Using Blockchain Technology	P. Rahimi, N.D Khan, V. Vassiliou, B. Nazir	16th Annual International Conference on Distributed Computing in Sensor Systems (DCOSS 2020), technically co-sponsored by IEEE		244–251
7	2019	A New Dimension to Spectrum Management in IoT Empowered 5G Networks	R.I. Ansari, H. Pervaiz, S.A. Hassan, M.A. Imran, S. Mumtaz, R. Tafazolli	IEEE Network Magazine	33(4)	186–193
8	2019	Control-Data Separation Architecture for Dual-Band mmWave Networks: A New Dimension to Spectrum Management	R.I. Ansari, H. Pervaiz, S.A. Hassan, A. Mahmood, M. Gidlund	IEEE Access Journal	7	3492–34937
9	2018	5G D2D Networks: Techniques, Challenges, and Future Prospects	R.I. Ansari, S.A. Hassan, M. Guizani, S. Mumtaz, J. Rodriguez and J. Rodrigues	IEEE Systems Journal	12(4)	3970–3984
10	2017	On the Outage Analysis of a D2D Network with Uniform Node Distribution in a Circular Region	R.I. Ansari, S.A. Hassan, S. Ali, M. Lestas	Elsevier Physical Communication Journal	25	277–283

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	01 February 2024 – 31 July 2025	Connected AUTOonomous Driving and Perception using Reconfigurable Intelligent METAsurfaces (AUTOMETA)	National Research and Innovation Foundation, Cyprus	Co-Principal Investigator
2	20 November 2017 – 31 August 2020	Integrated Telematic Public Transport System for Sustainable Urban Mobility	Transnational Program INTERREG V-A GREECE - CYPRUS 2014-2020	Core Partner Scientific Coordinator
3	2017	5G-mHealth: 5G Resilient Communication Networks for Future Crisis Management and Emergency Healthcare Support	RESTART 2016-2020 – “ENCOURAGEMENT OF PROJECT COORDINATION IN H2020”, National Research and Innovation Foundation, Cyprus	Project Scientific Coordinator

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	Since April 2020	International Scientific Journal of Frontiers in Communications and Networks	Review Editor on the Editorial Board of Wireless Communications (specialty section)	Member of the Editorial Board for the international scientific Journal of Frontiers in Communications and Networks. Responsible for assessing the rigour and validity of the research and work collaboratively with authors and editors to improve the

manuscripts, ensuring only high-quality content is published.

Awards / International Recognition

Ref. Number	Date	Title	Awarded by:
1	2020	Best Paper Award of the paper "Social-Aware Clustering for D2D Multicast Content Sharing in 5G Networks"	2020 IEEE Global Information Infrastructure and Networking Symposium, GIIS 2020
2	2020	Session's Best Presenter Certificate of the paper "An Energy-Efficient Machine-Type Communication for Maritime Internet of Things"	11th Annual IEEE Information Technology, Electronics and Mobile Communication Conference, IEMCON 2020
3	2017	Best Paper Award of the paper "QoS analysis for WebRTC videoconference on bandwidth-limited network"	20th International Symposium on Wireless Personal Multimedia Communications (WPMC 2017), technically co-sponsored by IEEE
4	2016	Mentor of the PhD student, Rafay Iqbal Ansari, a member of the "SherPak" team ("SmartWindows Communication") winning the third place in Ericsson Innovation Awards 2016, selected among 843 teams worldwide.	Ericsson Innovation Awards 2016

Other Achievements

Ref. Number	Date	Title	Key Activities:
1	since June 2023	Member of the ad hoc committee about Cybersecurity awareness and measures	Consultation
2	since February 2020	Member of the advisory board of the Cyprus Cyber Security Challenge (CCSC) Competition, Cyprus Computer Society	Consultation