

Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Haralambous
Name:	Haris
Rank/Position:	Associate Professor
School:	Engineering
Department:	Electrical and Computer Engineering and Informatics
Scientific Domain:	Digital Communications -Specialization : HF Communications and Ionospheric Effects on Radio Systems

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
BEng (Hons)	1998	University of Manchester Institute of Science &Technology (UMIST)	Electrical Engineering and Electronics	N/A
PhD	2002	University of Manchester Institute of Science &Technology (UMIST)	Electrical Engineering and Electronics	High Frequency (HF) spectral occupancy over northern Europe

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
BEng (Hons)	1998	University of Manchester Institute of Science &Technology (UMIST)	Electrical Engineering and	BEng (Hons)

Electronics	N/A			Electronics
PhD	2002	University of Manchester Institute of Science & Technology (UMIST)	Electrical Engineering and	PhD

Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Multi-Instrument Observations of Various Ionospheric Disturbances Caused by the 6 February 2023 Turkey Earthquake	Haralambous, H.; Guerra, M.; Chum, J.; Verhulst, G. W. T.; Barta, V.; Altadill, D.; Cesaroni, C.; Galkin, I.; Márta, K.; Mielich, J.; Kouba, D.; Buresova, D.; Segarra, A.; Spogli, L.; Rusz, J.; and Zedník, J.	Journal of Geophysical Research: Space Physics /American Geophysical Union	128/12	
2	2023	Ionosphere Heterogeneities at Dawn–Dusk Terminator Related to the Starlink Satellites Launch Disaster on 3–8 February 2022	Gulyaeva; T.; Lukianova, R.; Haralambous, H.	Journal of Geophysical Research: Space Physics /American Geophysical Union	128/11	
3	2023	Understanding the diurnal cycle of midlatitude sporadic E. The role of metal atoms	Haldoupis, C.; Haralambous, H.; Meek, C.; & Mathews, J. D	Journal of Geophysical Research: Space Physics /American Geophysical Union	128/10	
4	2023	Occurrence features of intermediate descending layer and Sporadic E observed over the higher mid-latitude ionospheric station of Moscow	Oikonomou, C.; Leontiou, T.; Haralambous, H.; Gulyaeva, T.L.; & Panchenko, V.A.	<i>Earth Planets Space</i>	75/39	
5	2020	On the necessity of using fo _u Es instead	Haldoupis, C.,	Journal of	206	10532

		of foEs in estimating the intensity and variability of sporadic E layers	Haralambous, H., Meek, C.	Atmospheric and Solar-Terrestrial Physics,		7
6	2020	Multi-wavelength coordinated observations of ionospheric irregularity structures from an anomaly crest location during unusual solar minimum of the 24th cycle	Paul, A., Sur, D., Haralambous, H.	Advances in Space Research	65(5)	1402–1413
7	2020	Assessment of ionospheric variability from IRI-2016, SPIM-2017, and IGS-GIM using Digisonde and GPS observations over Cyprus	Panda, S.K., Reddybattula, K.D., Haralambous, H., Sharma, S.K.	Astrophysics and Space Science	365(2)	37
8	2018	Global Longitudinal Behavior of IRI Bottomside Profile Parameters from FORMOSAT-3/COSMIC Ionospheric Occultations	S Panda, V Kavutarapu	Journal of Geophysical Research: Space Physics /American Geophysical Union	123	7011-7028
9	2018	On the use of topside RO derived electron density for model validation	Shaikh, M. M., Nava, B	Journal of Geophysical Research: Space Physics /American Geophysical Union	123	3943-3954
10	2018	Multi-station investigation of spread F over Europe during low to high solar activity	Krishnendu Sekhar Paul, Christina Oikonomou, Ashik Paul, Anna Belehaki, Tsagouri Ioanna, Daniel Kouba and Dalia Buresova	Space Weather and Space Climate (JSWSC)/EDP sciences	8	A27

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2023	Cyprus Radar for Ionospheric Space Situational Awareness	Research and Innovation Foundation	Scientific/Project Coordinator
2	2023	International Reference Ionosphere	Research and	Scientific/Project Coordinator

		Validation and Improvement	Innovation Foundation	
3	2022	Ionospheric Representation Enhancement in Near-real time (IRENE)	European Space Agency	Scientific/Project Coordinator
4	2020	Cyprus Flood Forecasting System	Research and Innovation Foundation	Research Team Member
5	2020	Extending HF Interference Studies over Cyprus	Research and Innovation Foundation	Scientific/Project Coordinator
6	2019	Retrospective modelling and prediction of ionospheric weather	Research and Innovation Foundation	Scientific/Project Coordinator
7	2019	Potential Enhancements in Ionospheric Monitoring under SSA	European Space Agency	Scientific/Project Coordinator
8	2018	Enhancing Space Awareness in Cyprus through Space Weather Studies	European Space Agency	Scientific/Project Coordinator
9	2017	Warning and Mitigation Technologies for Travelling Ionospheric Disturbances Effects	European Commission	Research Team Member
10	2017	BalkanMed real time severe weather service	Interreg V Balkan Mediterranean	Scientific/Project Coordinator

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2019-	International Reference Ionosphere member (COSPAR)	National representative	Member of International Reference Ionosphere working group
2	2018-	National Committee on Space Research (COSPAR)	National representative	Responsible for Commission C Space Studies of the Upper Atmospheres of the Earth and Planets Including Reference Atmospheres

3	2017-	International Space Science Institute (ISSI)	Team member	Member in the team invited by ISSI to study "Multi-technique Characterization of Near-Earth Space Environment"
4	2011-	National Committee on Space policy	National representative	Participant in the Committee to coordinate national efforts related to Space activities