

Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Papadopoulos
Name:	Harris
Rank/Position:	Associate Professor
School:	Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Artificial Intelligence and Intelligent Systems – Specialization: Artificial Intelligence and Machine Learning

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Machine Learning	2004	Royal Holloway, University of London	Computer Science	Qualified Predictions for Large Data Sets
BSc in Computer Science	1999	Royal Holloway, University of London	Computer Science	Implementing a Turing Machine using String Rewriting

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
Mar. 2024	Present	Frederick University	Cyprus	Associate Professor
Dec. 2008	Present	Royal Holloway, University of London	London	Visiting Fellow
Feb. 2016	Mar. 2024	Frederick University	Cyprus	Assistant Professor
Oct. 2007	Feb. 2016	Frederick University	Cyprus	Lecturer
Sep. 2004	Oct. 2007	Frederick Institute of Technology	Cyprus	Lecturer

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

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2024	Guaranteed Coverage Prediction Intervals with Gaussian Process Regression	-	IEEE Transactions of Pattern Analysis and Machine Intelligence	-	-
2	2023	Real-time construction demolition waste detection using state-of-the-art deep learning methods; single-Stage vs two-stage detectors	D. Demetriou, P. Mavromatidis, P.M. Robert, M.F. Petrou, D. Nicolaidis	Waste Management, Elsevier	167	-
3	2022	Well-calibrated Confidence Measures for Multi-label Text Classification with a Large Number of Labels	L. Maltoudoglou, A. Paisios, L. Lenc, J. Martinek, P. Král	Pattern Recognition, Elsevier	122	-
4	2021	Using inductive conformal martingales for addressing concept drift in data stream classification	C. Eliades	COPA 2021, PMLR	152	171-190
5	2019	Automatic face recognition with well-calibrated confidence measures	C. Eliades, L. Lenc, P. Král	Machine Learning, Springer	-	-
6	2018	Android Malware Detection with Unbiased Confidence Guarantees	N. Georgiou, C. Eliades, A. Konstantinidis	Neurocomputing, Elsevier	280	3-12
7	2015	Vesicoureteral Reflux Detection with Reliable Probabilistic Outputs	G. Anastassopoulos	Information Sciences, Elsevier	308	113-124
8	2013	Reliable Probabilistic Classification with Neural Networks	-	Neurocomputing, Elsevier	107	59-68
9	2011	Regression Conformal Prediction with Nearest Neighbours	V. Vovk, A. Gammerman	Journal of Artificial Intelligence Research	40	815-840
10	2011	Reliable Prediction Intervals with Regression Neural Networks	H. Haralambous	Neural Networks, Elsevier	24	842-851

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2024 – 2027	PHENOTYPOS: A whole-plant phenotyping platform to improve plant productivity, agricultural sustainability, and resilience to climate change	Research and Innovation Foundation	FRC Coordinator
2	2022 – 2024	BIOMON: Using passive acoustic monitoring methods to survey bird communities in biodiverse agricultural farmlands in the EU	Horizon Europe	Project Coordinator
3	2022 – 2024	AtheroRisk: Identification of unstable carotid plaques associated with symptoms using ultrasonic image and plaque motion analysis	Research and Innovation Foundation	WP-Leader
4	2020 – 2023	DEFEAT: Development of an Innovative Insulation Fire Resistant Façade from the Construction and Demolition Waste	Research and Innovation Foundation	WP-Leader
5	2020 – 2023	EHISOC: Extending HF Interference Studies over Cyprus	Research and Innovation Foundation	WP-Leader
6	2019 – 2022	EnterCY: Enhancing Tourist Experience in Cyprus	Research and Innovation Foundation	Project Coordinator
7	2014 – 2016	Investigation of earthquake signatures on the ionosphere over Europe	Research and Innovation Foundation	Co-Investigator
8	2011 – 2013	Development of New Venn Prediction Methods for Osteoporosis Risk Assessment	Research and Innovation Foundation	Project Coordinator
9	2011 – 2013	Monitoring, Modelling and Prediction of HF Spectral Occupancy over Cyprus	Research and Innovation Foundation	Co-Principal Investigator
10	2006 – 2010	Development of New Conformal Prediction Methods with Applications in Medical Diagnosis	Research and Innovation Foundation	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	2018 – 2020	Cyprus Ministry of Transport, Communications and Works	Advisor: National Strategy Committee for Artificial Intelligence	Co-author of the National Artificial Intelligence Strategy for Cyprus
2	2015 – 2018	Evolving Systems Journal (Springer)	Associate Editor	
3	2015 and 2012	International Journal of Artificial Intelligence Tools (World Scientific)	Guest Editor	
4	2015	Annals of Mathematics and Artificial Intelligence Journal (Springer)	Guest Editor	
5	2013	Intelligent Decision Technologies Journal (IOS Press)	Guest Editor	

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	March 2022	Invited talk: Conformal Prediction: An Overview	Halmstad University, Sweden
2	March 2022	Invited talk: EnterCY – Enhancing Tourist Experience in Cyprus using Cutting Edge ICT	Halmstad University, Sweden
3	April 2021	Invited talk: AI Applications for Digital Innovation in SMEs	DIH-World Widening Digital Innovation Hubs - Community Days
4	Sept. 2019	Best Paper award	8th International Symposium on Conformal and Probabilistic Prediction with Applications (COPA 2019)

5	April 2019	Invited talk: Quantifying Uncertainty in Machine Learning using Conformal Prediction	University of West Bohemia, Pilsen, Czech Republic
6	Sept. 2018	Invited talk: Conformal Prediction: Machine Learning with Well-calibrated Confidence Information	China University of Petroleum, Beijing, China
7	Jul. 2017	Invited talk: Quantifying Uncertainty in Machine Learning using Conformal Prediction	Bangkok University, Bangkok, Thailand
8	Sept. 2016	Invited lecture series: Conformal Prediction: Basics, Classification, Regression and Venn Prediction	China University of Petroleum, Beijing, China