



### Academic Personnel Short Profile / Short CV

<b>University:</b>	University of Nicosia
<b>Surname:</b>	Orphanou
<b>Name:</b>	Kalia
<b>Rank/Position:</b>	Adjunct Faculty
<b>Faculty:</b>	Sciences and Engineering
<b>Department:</b>	Computer Science
<b>Scientific Domain: *</b>	Data Science in Biomedical Informatics

*\* Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2017	University of Cyprus	Computer Science	Integrating Temporal Abstraction with Bayesian Networks: A Validation in the Field of Coronary Heart Disease
MEng	2009	University of Southampton	Computer Science	Evolving of Friendship Networks: A computer Simulation of a simple model



### Employment history in Academic Institutions/Research Centers–List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
09/2020	Today	University of Nicosia	Nicosia, Cyprus	Adjunct Faculty
09/2019	Today	Open University of Cyprus	Nicosia, Cyprus	Researcher
09/2018	08/2019	University of Cyprus	Nicosia, Cyprus	Special Teaching and Researcher Scientist
01/05/2017	30/04/2018	Centrum Wiskunde & Informatica (CWI)	Amsterdam, The Netherlands	ERCIM Postdoc Fellow

**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	2021	Mitigating Bias in Algorithmic Systems: A Fish-Eye View of Problems and Solutions Across Domains	J Otterbacher, S Kleanthous, K Batsuren, F Giunchiglia et al.	Arxiv(arXiv:2103.16953)		
2	2020	MANDOLA: A big-data processing and visualization platform for monitoring and detecting online hate speech	D Paschalides, D Stephanidis, A Andreou, G Pallis, M D Dikaiakos, E Markatos	ACM Transactions on Internet Technology (TOIT)	20 (2)	1-21
3	2020	The ICARUS Ontology: A general aviation ontology developed using a multi-layer approach	D Stefanidis, C Christodoulou, M Symeonidis et al.	Proceedings of the 10th International Conference on Web Intelligence, Mining and Semantics		21-32
4	2018	Learning Bayesian Network Structures with GOMEA	D. Thierens, P. A.N Bosman	The Genetic and Evolutionary Computation Conference (GECCO 2018)		
5	2018	Enhancing Medical Problem Solving Through the Integration of Temporal Abstractions with Bayesian Networks in Time-oriented Clinical Domains	A. Stassopoulou, E. Keravnou	Special Issue, Temporal Analytics, Journal of Biomedical Informatics		
6	2017	Incorporating Repeating Temporal Association Rules in Naive Bayes Classifiers for Coronary Heart Disease	A. Dagliati, L. Sacchi, A. Stassopoulou, E. Keravnou and R. Bellazzi	<i>Biomedical Signal Processing in Big Data</i>		



		Diagnosis				
7	2016	DBN-Extended: A Dynamic Bayesian Network Model Extended with Temporal Abstractions for Coronary Heart Disease Prognosis	A. Stassopoulou, E. Keravnou	IEEE Journal Biomedical and Health Informatics	20(3)	944-952
8	2016	Combining Naive Bayes Classifiers with Temporal Association Rules for Coronary Heart Disease Diagnosis	A. Dagliati, L. Sacchi, A. Stassopoulou, E. Keravnou and R. Bellazzi	IEEE International Conference on Healthcare Informatics, (ICHI 2016)		
9	2014	Temporal abstraction and temporal Bayesian networks in clinical domains: A survey	A. Stassopoulou, E. Keravnou	Artificial Intelligence in Medicine	60(3)	133 - 149
10	2015	Risk Assessment for Primary Coronary Heart Disease Event Using Dynamic Bayesian Networks	A. Stassopoulou, E. Keravnou	Artificial Intelligence in Medicine (AIME 2015)		161 - 165



**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	02/09/2019 – to date	Cyprus Center for Algorithmic Transparency	Horizon 2020	Research Team Member
2	01/09/2018 – 01/09/2019	UNICORN	Horizon 2020	Assistant Researcher
3	01/05/2017 - 30/04/2018	Learning Bayesian Network Structure from Data using GOMEA	ERCIM	Researcher
4	01/06/2013 – 30/09/2015	iSocial	Marie Curie FP7	Assistant Researcher
5	01/06/2013 – 30/09/2015	CELAR	Horizon 2020	Assistant Researcher

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



**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.  
(max total 10)(Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	07/2018	Nomination for Best Paper Award	GECCO2018
2	10/2016	Finalist in the Category Best Paper Award	ICH2016
3	01/05/2017 – 30/04/2018	ERCIM Postdoc Fellowship	ERCIM
4	01/10/2015 – 29/02/2016	Erasmus+ Placement	Erasmus+



<b>Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)(Optional Entry)</b>			
<b>Ref. Number</b>	<b>Date</b>	<b>Title</b>	<b>Key Activities:</b>
1	01/04/2021 – 01/07/2021	Collaboration with the Cyprus Pedagogical Institute in providing teachers training	Teaching the Module ME09 AI and its application in Education to teachers of primary and high school in Cyprus.
2	01/05/2017 – 30/04/2018	ERCIM Postdoctoral fellowship (CWI, Amsterdam, including 1 week visit to Fraunhofer Institute SCAI, Germany), 17/04/2018 – 24/04/2018	Postdoc research
3	01/10/2015 – 29/02/2016	ERASMUS + funding for mobility placement (6 months) - Laboratory of Biomedical Informatics, University of Pavia, Italy	PhD research
4	2012	Receiving travel funding for participating in the 2nd Imperial College Computing Student Workshop, 2012.	Presentation of a paper and reviewer
5	2012 – To date	Reviewer of papers	Reviewer of papers related mainly to artificial intelligence and machine learning invited by a journal or conference editor