UNIC ATHENS

Academic Personnel Short Profile / Short CV

University:	UNIC Athens
Surname:	Tomaras
Name:	Dimitrios
Rank/Position:	Teaching and Research Faculty Member
Faculty:	Sciences and Engineering
Department:	Computer Science
Scientific Domain: *	Big Data Management and Cloud Computing

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2023	Athens University of Economics and Business	Computer Science	Urban Data Analytics and Applications in the Big Data Era
MSc	2014	Athens University of Economics and Business	Computer Science	A scalable index structure for participatory sensing data
BSc	2012	National and Kapodistrian University of Athens	Informatics and Telecommunications	Simple Data Replication Protocol in Unstructured Peer-to-Peer Networks

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

Period of employment		Employer	Location	Position
From	To			
05/2026	Now	UNIC Athens	Athens	Teaching and Research Faculty Member
10/2022	04/2026	National and Kapodistrian University of Athens	Athens	Post-Doctoral Researcher
01/2015	10/2022	Athens University of Economics and Business	Athens	Researcher

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	2026	RAGNN: A Resource-Aware System for Graph Neural Network Training at Scale	Phivos Dadamis, Vana Kalogeraki, Dimitrios Gunopulos	European Conference on Parallel Processing (EuroPar) - Springer Nature Switzerland	-	379-393
2	2026	STRATA2. 0: A Serverless Middleware for Machine Learning Training	Sebastian Buschjäger, Vana Kalogeraki, Katharina Morik, Dimitrios Gunopulos	IEEE Transactions on Parallel and Distributed Systems (TPDS)	37	1872-1884
3	2026	Glance: Global actions in a nutshell for counterfactual explainability	Loukas Kavouras, Eleni Psaroudaki, Konstantinos Tsopelas, Dimitrios Rontogiannis, Nikolaos Theologitis, Dimitris Sacharidis, Giorgos Giannopoulos, Kleopatra Markou, Dimitrios Gunopulos, Dimitris Fotakis, Ioannis Emiris	AAAI Conference on Artificial Intelligence	40	22545-22553
4	2025	Trustworthy Scheduling for Big Data Applications	Vana Kalogeraki, Dimitrios Gunopulos	IEEE International Conference on Big Data (BigData)	-	305-310
5	2025	Autofairml: An automated middleware for fairness auditing in real-world ai pipelines	Vana Kalogeraki, Christos Varytimidis, Evangelos Anagnostopoulos, Rahul Nair, Elizabeth M Daly, Jakub Marecek, Dimitrios Gunopulos	IEEE 45th International Conference on Distributed Computing Systems Workshops (ICDCSW)	-	261-266
6	2025	IgNITE: Scheduling pipeline-parallel DNN training jobs on heterogeneous infrastructures	Phivos Dadamis, Vana Kalogeraki, Dimitrios Gunopulos	19th ACM International Conference on Distributed and Event-based Systems (DEBS)	-	164-175
7	2024	STRATA: random forests going serverless	Sebastian Buschjäger, Vana Kalogeraki, Katharina	IFIP/ACM International Middleware Conference	-	22-35

			Morik, Dimitrios Gunopulos	(Middleware)		
8	2024	TIMBER: On supporting data pipelines in Mobile Cloud Environments	Michail Tsenos, Vana Kalogeraki, Dimitrios Gunopulos	IEEE International Conference on Mobile Data Management (MDM)	-	93-102
9	2023	A holistic approach for modeling and predicting bike demand	Ioannis Boutsis, Vana Kalogeraki	Information Systems / Elsevier	111	102-129
10	2018	Modeling and predicting bike demand in large city situations	Ioannis Boutsis, Vana Kalogeraki	IEEE International Conference on Pervasive Computing and Communications (PerCom)	-	1-10

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	06/2026	EduTech Summit and Expo – Private University Education in the Era of Artificial Intelligence	Local	Athens	Keynote Speaker
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**Specify venue, geographic location etc*

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	01/2023 –	CoDiet: Combatting Diet Related Non-	European	Postdoctoral Fellow, Quality

	04/2026	Communicable Disease Through Enhanced Surveillance	Commission (Horizon Europe)	Assurance Coordinator, Senior Researcher
2	10/2022 – 10/2025	AutoFair: Human-Compatible Artificial Intelligence with Guarantees	European Commission (Horizon Europe)	Postdoctoral Fellow, Quality Assurance Coordinator, Senior Researcher
3	01/2015-12/2018	NGHCS: Creating the Next-Generation Mobile Human-Centered Systems (ERC)	European Research Council (ERC)	Researcher
4	2014	INCEPTION: Incentives driven Participatory Sensing (European Social Fund ESF and Greek national funds through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) - Research Funding Program: Aristeia - INCEPTION)	"Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) - Research Funding Program: Aristeia - INCEPTION)	Researcher
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	**Period**	**Organization**	**Title of Position or Service**	**Key Activities**
1	2026	IEEE MDM Conference	PC Member / Local organization Chair	-
2	2026	EuroPar Conference	PC Member	-
3	2024	EAI Mobiquitous	PC Member	-
4	2024	EAI Mobiquitous	PC Member	-
5	2024	EuroSys	Publicity Chair	-

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	2024	Student Travel Grant	Athens University of Economics and Business
2	2022	Student Grant	4th Summit on Gender Equality in Computing (GEC)
3	2021	Student Grant	IEEE International Conference on Autonomic Computing and Self-Organizing Systems
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Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	**Date**	**Title**	**Key Activities:**
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