



Academic Personnel Short Profile / Short CV

University:	Open University of Cyprus
Surname:	Kalles
Name:	Dimitrios
Rank:	Member of Tutoring Staff
Faculty:	Pure and Applied Sciences
Department:	N/A
Scientific Domain: *	Artificial Intelligence & Machine Learning

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D.	1995	University of Manchester Institute of Science and Technology	Department of Computation	Decision trees and domain knowledge in pattern recognition
M.Sc.	1993	University of Manchester Institute of Science and Technology	Department of Computation	Skeletonisation and its application in optical character recognition
B.Sc. / B.Eng.	1991	University of Patras (Greece)	Department of Computer Engineering and Informatics	Optical character recognition (in Greek)

Employment history – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2009	2020	Hellenic Open University	Patras, Greece	Associate Professor
2000	2004	Ahead Relationship Mediators SA	Athens, Greece	Technical Director, Member of BoD

1997	2000	Computer Technology Institute	Patras, Greece	R&D Engineer
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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.		E. Paxinou, M. Georgiou, V. Kakkos, D Kalles, and L. Galani. "Achieving educational goals in microscopy education by adopting Virtual Reality labs on top of face-to-face tutorials", <i>Research in Science & Technological Education</i> , DOI: 10.1080/02635143.2020.1790513, 2020 .				
2.		G. Feretzakis, E. Loupelis, A. Sakagianni, D. Kalles, M. Martsoukou, M. Lada, N. Skarmoutsou, C. Christopoulos, K. Valakis, A. Velentza, S. Petropoulou, S. Michelidou and K. Alexiou. "Using Machine Learning Techniques to Aid Empirical Antibiotic Therapy Decisions in the Intensive Care Unit of a General Hospital in Greece". <i>Antibiotics</i> 9(2):50, DOI: 10.3390/antibiotics9020050, 2020 .				
3.		E.Paxinou, A. Karatrantou, D. Kalles, C. Panagiotakopoulos and A. Sgourou. "Implementation and evaluation of a three-dimensional virtual reality biology lab vs conventional didactic practices in lab experimenting with the photonic microscope", <i>Biochemistry and Molecular Biology Education</i> 48(1), pp. 21-27, 2020 .				
4.		G. Feretzakis, D. Kalles and V. Verykios. "Using Minimum Local Distortion to Hide Decision Tree Rules", <i>Entropy</i> 21(4), DOI: 10.3390/e21040334, 2019 .				
5.		Sypsas, Ch. Kiourt, E. Paxinou, V. Zafeiropoulos and D. Kalles. "The Educational Application of Virtual Laboratories in Archaeometry", <i>International Journal of Computational Methods in Heritage Science</i> 3(1), pp. 1 – 19, 2019 .				
6.		N. Nomikos and D. Kalles. "Single fingertip detection using simple geometric properties of the hand image: a case study for augmented reality in an educational app", (to be presented at) <i>Workshop in Movement analytics and gesture recognition for Human-Machine Collaboration in Industry 4.0</i> , a workshop of the <i>12th Conference on Computer Vision Systems (ICVS)</i> , Thessaloniki, Greece, September, 2019 .				
7.		S. Gezerlis and D. Kalles. "Decision Trees for Helpdesk Advisor Graphs", <i>Bulletin of the IEEE Technical Committee on Learning Technology</i> , Vol. 18, Iss. 2-3, pp. 6 – 9, 2016 .				
8.		Ch. Kiourt and D. Kalles. "Synthetic Learning Agents in Game Playing Social Environments", <i>Adaptive Behavior</i> , Vol. 24, No. 6, pp. 411 – 427, 2016 .				
9.		A. Papagelis and D. Kalles. "Breeding Decision Trees Using Evolutionary Techniques", <i>International Conference on Machine Learning</i> , Williamstown, Massachusetts, June-July 2001 .				
10.		D. Kalles and D.T. Morris. "Efficient Incremental Induction of Decision Trees", <i>Machine Learning</i> , Vol. 24, No. 3, pp. 231 - 243, 1996 .				

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.		Hellenic Conference on Artificial Intelligence, May 2014, Ioannina, Greece: Conference Co-Chair, Program Committee Co-Chair			

2. IEEE International Conference on Tools with Artificial Intelligence, November 2012, Piraeus (Greece): Member of Organizing Committee: Tutorials – Workshops Co-chair
3. European Conference on Artificial Intelligence, July 2008, Patras, Greece: Member of Organizing Committee: Printing – Publicity Co-chair

**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.	[1.2019-to date]	Project «Virtual laboratories using interactive technologies in virtual, augmented and mixed reality», Operational Program «Western Greece 2014-2020», Scientific Responsibility for Hellenic Open University.		
2.	[3.2018- to date]	Project «Digital educational applications in virtual and interactive reality», Operational Program «Human Resources Development, Education and Life Lifelong Learning 2014-2020», Scientific Responsibility.		
3.	[11.2018-12.2018]	Project «Neural Networks for Trend Prediction in Foreign Exchange Markets», contract from New Media Concept (private company), Scientific Responsibility.		
4.	[3.2018-6.2018]	Project «Introductory training in machine learning and data mining for TELCO engineers», contract from OTE Academy S.A., Scientific Responsibility.		
5.	[11.2013-10.2014]	Project 527796-LLP-2012-ES-LEONARDO-LMP -"LPMnage", EACEA/EC, "Learn Play Manage. Collaborative Learning for Project Management: developing competences for international project management through social games as innovative methodology ", Scientific Responsibility for Hellenic Open University.		

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

**Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1.	Αξιολογητής:			
a.	[5.2019 – 5.6-2020]	State Scholarships Foundation:	Proposal evaluator for Erasmus+/KA2 – «Strategic Partnerships» in Adult Education sector.	
b.	[10-11.2018]	Cyprus Research Promotion Foundation:	Proposal evaluator for RESTART 2016-2020.	
c.	[2.2017- 10.2018]	Instituto Superior de Engenharia do Porto:	Project evaluator blended-AIM: Blended Academic International Mobility (EU ERASMUS+).	
d.	[2007, 2008, 2010, 2012, 2013]	EACEA/European Commission:	Proposal evaluator in Lifelong Learning / Key Activity 3 – Information & Communication Technologies.	
2.	Hellenic Society for Artificial Intelligence (General Secretary 2005-2008 and 2011-2012, Chairperson 2013-2014, Special Secretary 2019-2020).			

3. Reviewer (2019) for (journal) *Neural Computing and Applications* and Member of Program Committee (2019) for *European Conference on Ambient Intelligence, International Joint Conference on Artificial Intelligence, International Conference on Information, Intelligence, Systems and Applications*.

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

Ref. Number	Date	Title	Awarded by:
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**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Title	Key Activities:
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1. [July 2020]: «Artificial Intelligence (learning about AI without fearing it)», speaker at Campus Party Greece, Digital Edition.
2. [June 2020]: «Introduction to Applied Machine Learning», invited talk at the Institute/University of Engineering and Management (Kolkata, India).
3. [June 2020]: «Open & Distance Learning: Elevating a “response to a crisis” to “standard practice”», invited talk at the Educational Development Unit, Department of Education and Lifelong Learning, Norwegian University of Science and Technology.
4. [October 2019]: «Artificial Intelligence: new hopes, old fears», invited talk at the seminar series « Artificial Intelligence: A fascinating new road» at the Aikaterini Laskaridis Foundation.
5. [June 2019]: «Artistic aspects of laboratory education », invited talk at event «tech-noetic-art: scientists keep their ears open» organized by HeterArt of the Social Dynamo project of the Bodosakis Foundation.
6. [December 2018]: «Introduction to Applied Machine Learning», invited talk at the 2nd Technology Forum of the Federation of Telecommunication Engineers of the European Community, with the theme «New Era of Technology Innovation in ICT, 5G and Optical Technologies» (Thessaloniki, Greece).
7. [March 2018]: «Artificial Intelligence: new hopes, old fears», invited talk at Rationality Days (Patras, Greece).
8. [February 2018]: «Introduction to Machine Learning», a brief presentation to the periodical meeting of Operation Officers of Deutsche Telekom daughter companies (Vienna, Austria).
9. [November 2015]: «Virtual 3D Laboratories at the Hellenic Open University», talk at the international symposium «The Future is Now: Open and Distance Universities in Europe» (Athens, Greece).