Dr. Michael Paraskevas

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Dr. Michalis Paraskevas is a Professor at the Department of Electrical and Computer Engineering of the University of Peloponnese.

His research interests relate to digital signal analysis and processing, information theory, detection and evaluation theory, next generation networks, machine learning applications in image and natural language processing, and the digital transformation of Education. He has published more than 80 papers in international journals and conferences, has authored 4 university textbooks, has participated in the organization of 3 international and 7 Greek scientific conferences and in more than 50 committees of international journals and conferences. His published work has collected more than 720 citations and has been cited in more than 70 patents.

Has thirty years of specialized professional experience in the design, implementation and operation of large-scale networks and e-government and e-learning services. He directs respective development and research projects, which have received national and international distinctions.

He was head (2019-2021) of the Department of Electrical and Computer Engineering of the University of Peloponnese and director (2020-2021) of the laboratory "Data and Media" of the same department.

Today he is Vice President of the Board of Directors of the Institute of Computer Technology and Publications "Diofantos" and coordinator of the Greek School Network.

He teaches the undergraduate courses "Signals and Systems", "Digital Signal Processing", "Information Theory", "Statistical Signal Processing and Learning" and the postgraduate courses "Next Generation Networks", "Advanced Educational Technologies" and "e-skills and STEM education" of the Postgraduate program "Technologies and Services of Intelligent Information Systems and Communications" of the Department of Electrical and Computer Engineering of the University of Peloponnese. He also teaches in the course "Applications of new technologies in educational practice and education administration" of the Postgraduate program "Organization and Administration of Education" of the Pedagogical Department of Primary Education of the University of Thessaly.

Education

1983 - 1989	University of Patras, Electrical Engineering & Computer Technology Dept.
1990 - 1995	Ph.D. of Patras Univ., Electrical Engineering & Computer Tech. Dept.

Professional Experience

2023 – now	Professor of Electrical and Computer Engrineering Dept. of the University of the Peloponnese
2021 – now	Vice President of the Board of Directors of the Institute of Computer Technology and Publications "Diofantos"
2019 – 2023	Associate Professor of Electrical and Computer Engrineering Dept. of the University of the Peloponnese

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[1] http://ece.uop.gr

[2] http://www.uop.gr/

2011 – 2019	Assistant Professor of Western Greece Univ. of Applied Sciences / Dept. of Computer and Informatics Engrineering
2011 – now	Head of Greek School Network (www.sch.gr)
2001 – 2011	Technical director of the Greek School Network
1999 – 2011	Research and Academic Computer Technology Institute - Co-director of the Network Technologies Sector of RA-CTI. Scientific director at many projects
2003 – 2004	Region of Western Greece - Member of the Coordinative Administrators Committee for the supervision of the implementation of Operational Program for the Information of Society at the Region of Western Greece, in the field of educational issues and broadband networks
1989 – 1998	University of Patras - Member of the Audio Group of the Wire Communications Lab.
1995 – 1999	Technical Chamber of Greece - He has the responsibilities to develop and operates the Data Bank and Internet Services of TCG West Greece Section

Committees

- Organizer or member of technical committee or member of program committee of more than 30 international conferences and workshops.
- Member of the Operational Council of Directors of the Computer Technology Institute.
- Member of the Directing Committee of the Greek School Network.

Projects (EU, GR)

He has worked as a manager or member for many (research and development) projects, such as Polyglot, eTwinning 2005-2013, Equal-IOS, 6NET, MENTOR, FRIENDS, ARIADNE, Greek School Network, ISTOS, EDUnet I, II, III, Wings of Aiolos, DICONET, ANAIS/GROWTH, PatreasNET, uPellop, DIGI-Q, VNOC-II/GRNET, MUFINS, OpenRSM, ORBIT, EGEE-I, II, II, VOUCHER, MATHITEIA4U, STEP, STIRIZO, ORCHESTRA,V4STEP, World of Physics, eSafetyPlus, etc.

Research Interests

- Digital communication systems
- Digital signal processing
- Information Theory
- Next generation networks and broadband networks
- Machine Learning application for signal processing
- e-Learning and e-Government services
- Development of electronic learning and ICTs in Education
- Digital Transformation

Selected publications

International Journals (22)

[a.1] J.Mourjopoulos and M. Paraskevas, «Pole and Zero Modelling for Room Transfer Function», Journal of Sound and Vibration, Elsevier (1991) 146(2), pp. 281-302.

[a.2] M. Paraskevas and J.Mourjopoulos, «A Differential Perceptual Audio Coding Method with Reduced Bitrate Requirements», IEEE Transactions on Speech and Audio Processing, Vol. 3, No. 6, pp. 490-503, Nov. 1995.

[a.3] M.Avgoulea, C.Bouras, M. Paraskevas, G.Stathakopoulos «Policies for content filtering in educational networks», Journal of Telematics and Informatics, Pergamon Elsevier, Vol. 20, Issue 1 (2003), pp. 71 – 95.

[a.4]   C.Bouras, V.Papoutsis, C.Ntokos, A.Karaliotas, M. Paraskevas, N.Drosopoulos, «Wireless School Network», published in Learning Technology Newsletter – IEEE Learning Technology Task Force, ISSN 1438-0625, Vol. 5, Issue 2, pp. 20-22, April 2003.

[a.5]   M.Kalochristianakis, M. Paraskevas, E.Varvarigos, N.Xypolitos, «The Greek School Network: a paradigm of successful educational services maturing based on the dynamics of open-source technology», IEEE Transactions on Education, Nov. 2007, Vol. 50, Issue 4, Nov. 2007, pp. 321-330 (ISSN: 0018-9359).

[a.6]   M.Vivitsou, N.Lambropoulos, D.Konetas, M. Paraskevas, E. Grigoropoulos, «The Project Method e-course: the use of tools towards the evolution of the Greek teachers' online community», International Journal of Continuing Engineering Education and Life-Long Learning (IJCEELL), Special Issue on: "Reference Models for Forming Organisational or Collaborative Pedagogical Best Practices", Vol. 18, Issue 1, Jan 2008, pp. 26-39.

[a.7]   M.Kalochristianakis, M. Paraskevas, E.Varvarigos, «Security Services in the Greek School Network», International Journal of Security and Its Applications, Science & Engineering Research Support Society, ISSN: 1738-9976, Vol. 3, No. 3, pp. 9-22, July 2009.

[a.8]   M. Paraskevas and T. Zarouchas, «Transforming Computer Science Educators Landscape Using the Greek School Network», International Journal of Advanced Corporate Learning (ISSN: 1867-5565), Vol 6, No. 2, September 2013.

[a.9]   S. Louvros and M. Paraskevas, «Analytical Average Throughput and Delay Estimations for LTE Uplink Cell EDGE Users», Computers & Electrical Engineering, Elsevier, (ISSN 0045-7906), Vol. 40, pp. 1552-1563, July 2014.

[a.10]   V. Gkantouna, M. Manousos, E. Viennas, Z-M. Ioannou, M. Paraskevas, G. Lagoumintzis, Z. Zagoriti, G. Patrinos, G. Tzimas and K. Poulas, «Introducing dAUTObase: a first step towards the global scale geoepidemiology of autoimmune syndromes and diseases», Bioinformatics. Oct. 2014; 31(4): 581-6. https://doi.org/10.1093/bioinformatics/btu690.

[a.11]   M. Paraskevas, T. Zarouchas, P.Angelopoulos, I.Perikos, «Formulating an adaptable e-training framework to computer science educators», International Journal of Continuing Engineering Education and Lifelong Learning, Special Issue on: "Ethical issues and the position of the moderator in online learning and teaching environments", Vol. 25, Issue 2, (2015).

[a.12]   I. Mporas, I. Perikos, M. Paraskevas, "Color Models for Skin Lesions Classification from Dermatoscopic Images", Advances in Integrations of Intelligent Methods, Smart Innovation, Systems and Technologies, Springer (2019). [book chapter]

[a.13]   G. Drakopoulos, F. Stathopoulou, A. Kanavos, M. Paraskevas, G. Tzimas, Ph. Mylonas, L. Iliadis, "A Genetic Algorithm for Spatiosocial Tensor Clustering". Evolving Systems 11, 491–501 (2020). https://doi-org.proxy.eap.gr/10.1007/s12530-019-09274-9

[a.14]   N. Spatiotis, I. Perikos, I. Mporas and M. Paraskevas, "Sentiment Analysis of Teachers Using Social Information in Educational Platform Environments", International Journal on Artificial Intelligence Tools, Vol. 29, Issue 2, World Scientific Publishing Company (2020).

[a.15]   P. Schirmer, I. Mporas, M. Paraskevas, "Energy Disaggregation using Elastic Matching Algorithms", MDPI, Signal and Data Analysis, Entropy 2020, 22(1), 71

[a.16]   I. Mporas, I. Perikos, V. Kelefouras, M. Paraskevas, "Illegal Logging Detection based on Acoustic 2 Surveillance of Forest", MDPI, Applied Sciences. 2020, 10.

[a.17]   I. Daramouskas, D. Mitroulias, I. Perikos, M. Paraskevas, and V. Kapoulas, "Localization in LoRa Networks Based on Time Difference of Arrival". In: Lee, R. (eds) Computer and Information Science 2021 - Fall. ICIS 2021. Studies in Computational Intelligence, vol 1003. Springer, Cham, 2022. [book chapter]

[a.18]   T.Komninos, M.Paraskevas, Z.Smyrnaiou, D.Serpanos, «Cyberphysical Systems in K–12 Education», IEEE Computer, Vol. 55, Issue 5, pp. 81-84, May 2022, DOI: 10.1109/ MC.2022. 3158165

[a.19]   I. Daramouskas, D. Mitroulias, I. Perikos, M. Paraskevas, and V. Kapoulas, "Performance Analysis for

TDOA localization in LoRa networks", submitted to Journal "Internet of Things - A section of Sensors", ISSN 1424-8220, MDPI.

[a.20]   S. Louvros, M.Paraskevas, T. Chrysikos, "QoS-Aware Resource Management in 5G and 6G Cloud-Based Architectures with Priorities", Special Issue "5G Networks and Wireless Communication Systems", MDPI Information 2023, Volume 14, Issue 3 (March 2023); https://doi.org/10.3390/info14030175

[a.21]   K. Kyritsis, N. Spatiotis, I. Perikos, M. Paraskevas, "A Comparative Performance Evalua-tion of Algorithms for the Analysis and Recognition of Emotional Content", in Open Ac-cess book, "Advances in Sentiment Analysis - Techniques, Applications and Challenges" edited by Assistant Prof. Jinfeng Li, InTechOpen, 2023 [accepted], [book chapter]

[a.22]   I. Daramouskas, I. Perikos, V. Lappas, V. Kapoulas and M. Paraskevas "Performance analysis for TDOA localization in LoRa networks", Smart Cities, (Submitted)

International Conferences (72)

[b.1]   J.Mourjopoulos, M. Paraskevas and G.Kokkinakis, «Noisy Audio Signal Enchancement using Subjective Spectra,» in Proc. of AES 92nd Convention, preprint 3240 (1AP1.06), March 1992, Vienna.

[b.2]   M. Paraskevas, J.Mourjopoulos and G.Kokkinakis, «Audio Coding Based on Subjective Differences», in Proc. of AES 94th Convention, preprint 3554 (D3-4), March 1993, Berlin.

[b.3]   M. Paraskevas, D.Tsoukalas and J.Mourjopoulos, «A Prony Method for High-quality Audio Coding», in Proc. of ICASSP '93, Vol. I, pp.205-208, April 1993, Mineapolis, USA.

[b.4]   D.Tsoukalas, M. Paraskevas and J.Mourjopoulos, «Speech Enchancement Using Psychoacoustic Criteria,» in Proc. of ICASSP '93, Vol. II, pp. 359-362, April 1993, Mineapolis, USA.

[b.5]   M. Paraskevas and J.Mourjopoulos, «Results on a Differential Perceptual Audio Coder», in Proc. of AES 96th Convention, preprint 3794 (P3.3), February 1994, Amsterdam.

[b.6]   M. Paraskevas and J.Mourjopoulos, «A Statistical Study of the Variability and Features of Audio Signals: Some Preliminary Results», in Proc. of AES 100th Convention preprint 4256 (Q-1), May 1996, Copenhagen.

[b.7]   J.Valakas, M. Paraskevas and J.Mourjopoulos «Pole-Zero Loudspeaker Response Analysis by Bandsplitting and Prony Modelling», in Proc. of AES 100th, preprint 4214 (K-3), Convention, May 1996, Copenhagen.

[b.8]   M. Paraskevas and J.Mourjopoulos, «Compression of Audio Signals: From ADPCM to MPEG-4», in Proc. of International Conference of Audio Technology 1998, Hellenic Naval academy, Peiraus, Greece, December 1998.

[b.9]   J.Valakas, P.Hadjiantoniou, J.Mourjopoulos and M. Paraskevas, «Loudspeaker Codebooks based on Pole / Zero Analysis of their Smoothed Spectra,» in Proc. of 106th AES Convention, April 1999, Paris.

[b.10]   N. Adamopoulos, C. Bouras, P. Ganos, D. Karaiskakis, M. Paraskevas «Winds of Aiolos: The Greek School Network», in Proc. of Bolton International Conference "Towards the e-learning Community: Challenges for Business and Education", Oct. 2000, Bolton, UK.

[b.11]   A.Gerbesioti and M. Paraskevas «GIS in the First Greek School Network», 21st Annual ESRI International User Conference, July 2001, San Diego, California, USA

[b.12]   M.Avgoulea, C.Bouras, M. Paraskevas, G.Stathakopoulos «Policies for content filtering in educational networks: The case of Greece», ED-MEDIA 2002 in Proc. of World Conference on Educational Multimedia, Hypermedia & Telecommunications, (ISSN/ISBN: 1-880094-45-2), pp. 57-62, June 2002, Denver Colorado, USA.

[b.13]   C.Bouras, M. Paraskevas, «Educational Information Society in Greece: The Greek School Network», in Proc. of IADIS International Conference, e-Society, pp. 179-186, June 2003, Lisbon, Portugal.

[b.14]   M. Paraskevas, «Network Infrastructures and Telematic Services for the Educational Society in Greece», in Proc. of Conference "New Technologies in Education with emphasis on Educational Software", Hellenic Presidency EU 2003, 29-30 May 2003, Kamena Vourla, Greece, (Keynote speaker)

[b.15] C.Kattirtzis, E.Varvarigos, K.Vlachos, G.Stathakopoulos, <u>M. Paraskevas</u>, «Analysing traffic across the Greek School Network,» in Proc. of 14th IEEE Workshop on Local and Metropolitan Area Networks (LANMAN 2005), September 2005, pp. 6-10, ISBN 0-7803-9565-4, Chania, Greece.

[b.16] Ch.Bouras, A.Karaliotas, M.Oikonomakos, <u>M. Paraskevas</u>, D.Primpas, Ch.Sintoris, «QoS issues in the Research and Academic Networks: The case of GRNET», in Proc. of the Joint International Conference on Autonomic and Autonomous Systems and International Conference on Networking and Services, (ICAS-ICNS 2005), pp. 60, (ISBN 0-7695-2450-8), Tahiti, French Polynesia, October 23-28, 2005.

[b.17] A. Alexiou, Ch. Bouras, V. Igglesis, V. Kapoulas, <u>M. Paraskevas</u>, I. Scopoulis, J.Papagiannopoulos, «Deployment of Broadband Infrastructure in the Region of Western Greece», in Proc. of 2nd IEEE International Conference on Broadbands Networks (BroadNets 2005), (ISBN 0-7803-9276-0), Vol. 2, pp.1510-1515, Oct.2005, Boston, USA.

[b.18] A. Alexiou, Ch. Bouras, V. Igglesis, V. Kapoulas, <u>M. Paraskevas</u>, T. Tsiatsos, J.Papagiannopoulos, «The Broadband Status in the Region of Western Greece: Overview and Recommendations», in Proc. of BroadBand Europe 2005, Bordeaux, France 12-14 December 2005.

[b.19] N.Xypolitos, <u>M. Paraskevas</u>, M.Varvarigos «The Greek School Network: Stucture, design principles and services offered», in Proc. of International Joint Conference on E-business and Telecommunications (ICE-B 2006), Setubal, Portogal, pp. 283-288, Aug 2006.

[b.20] M.Kalochristianakis, <u>M. Paraskevas</u>, E.Varvarigos, «Deploying cutting-edge educational services in the Greek School Network,» in Proc. of 11th Panhellenic Conference on Informatics (PCI 2007), Patras, Greece, May 2007.

[b.21] N.Lambropoulos, <u>M. Paraskevas</u>, D.Konetas, P.Kampylis, I.Economakos, N.Minaoglou, M.Vivitsou, A.Gkikas, E.Grigoropoulos, «Re-using Multi-Point Videoconferencing Modules as Learning Objects in Collaborative e-Learning Discussions,» in Procedings of Joint Information Systems Committee innovating e-Learning online conference 2007 (JISC-2007), (ISBN: 978-1-905938-00-1), Birbigham, UK, June 2007.

[b.22] S.Papadimitriou, N.Lambropoulos, P.Kampylis, N.Minaoglou, M.Vivitsou, D.Konetas, <u>M. Paraskevas</u>, I.Economakos, A.Gkikas, «The multiple use of Videoconference in the Distance Learning of Greek Teachers through the Greek School Network», in Proc. of 4th International Conference in Open and Distance Learning - Forms of Democracy in Education: Open Access and Distance Education, (ICODL 2007), Athens, November 23-25, 2007.

[b.23] M. Kalochristianakis, <u>M. Paraskevas</u>, E. Varvarigos, «Asynchronous tele-education and computer-enhanced learning services in the Greek School Network», in Proc. of Emerging Technologies and Information Systems for the Knowledge Society, First World Summit on the Knowledge Society (WSKS 2008), Lecture Notes in Computer Science 5288, Springer, Athens, Greece, Sept 2008, pp. 234-242.

[b.24] M. Kalochristianakis, <u>M. Paraskevas</u>, E. Varvarigos, «The Greek School Network learning infrastructure», in Proc. of IADIS International Conference, e-Learning 2010, Freiburg, Germany, 26 - 29 July 2010.

[b.25] <u>M. Paraskevas</u>, H. Stergatu, E. Varvarigos, «e-Learning and social networking services in The Greek School Network The Greek School Network learning infrastructure», in Proc. of IADIS International Conference, e-Learning 2011, Rome, Italy, 20 - 23 July 2011.

[b.26] M. Kalochristianakis, E. Varvarigos, K. Vasilakis, <u>M. Paraskevas</u> «Considerations for successful enterprise information systems deployment—The case of the Greek School Network,» in Proc. of 9th International Conference on Service Systems and Service Management, IEEE/ ICSSSM 2012, ISBN 978-1-4577-2024-6, Sanghai, China, July 2-4, 2012. BEST PAPER AWARD

[b.27] <u>M. Paraskevas</u>, H. Stergatu, «Design and Implementation of a Successfull Social Networking Education Platform», in Proc. of IADIS International Conference, e-Learning 2012, Lisbon, Portugal, 17-20 July 2012.

[b.28] <u>M. Paraskevas</u>, T. Zarouchas, I. Perikos, P. Aggelopoulos, "Towards to a Versatile Tele-Education Platform for Computer Science Educators Based on the Greek School Network", in Proc. of IADIS

Multi Conference on Computer Science and Information Systems, Prague, Czech Republic, July 2013.

[b.29] M. Paraskevas, V. Athanasopoulos, T. Zarouchas, S. Louvros, «Exploiting Metropolitan Optical Networks for High Speed Interconnections at Schools,» in Proc. of 13th IEEE International Symposium on Signal Processing and Information Technology (IEEE ISSPIT-2013), Athens, Greece, December 12-15, 2013.

[b.30] P. Aggelopoulos, I. Perikos, Th. Zarouchas, M. Paraskevas, «t-STEP: Information system for remote education of teachers of Informatics», in Proc. of 7th International Conference in Open and Distance Learning, ICODL 2013, Athens, Greece, 8-13 November 2013.

[b.31] P. Angelopoulos, M. Paraskevas, I. Perikos, T. Zarouchas, "A Highly Motivated Blended Learning Model Oriented to Computer Engineering Educators", in Proc. of 9th IEEE International Conference on Computer Science & Education (IEEE ICCSE), UBC, Vancouver, Canada, August 2014.

[b.32] S. Louvros, M. Paraskevas, V. Triantafyllou, A. Baltagiannis, «LTE Uplink Delay Constraints for Smart Grid Applications», in Proc. of 19th IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD), Athens, Greece, Dec. 1-3, 2014.

[b.33] I. Perikos, P. Angelopoulos, M. Paraskevas, T. Zarouchas, G. Tzimas, «A Methodology for Evaluation and Knowledge Extraction from On-Going Learning Process», in Proc. of 17th IEEE International Conferences on Computational Science and Engineering, pp. 425-431, (CSE2014), Chengdu, China, Dec. 19-21, 2014.

[b.34] G. Asimakopoulos, M. Paraskevas, «Key Competence Acquisition and Competence Based Learning: The Greek experience compared to other EU countries», in Proc. of International Conference "Facilitating the Acquisition and Recognition of Key Competences", Athens, Greece, Oct 30-31, 2014.

[b.35] T. Zarouchas, I. Perikos, M. Paraskevas, T.Pegiazis «A Hybrid Training Framework Oriented to Computer Engineering Educators» in Proc. of 19th Panhellenic Conference on Informatics with international participation 2015, Athens, Greece, Oct 1-3, 2015.

[b.36] E. Megalou, V. Gkamas, S. Papadimitriou, M. Paraskevas, Ch. Kaklamanis, "Open Educational Prectices: Motivating Teachers to use and reuse Open Educational Resources", in Proc. of International Conference on Education and New Developments 2016, Ljubljana, Slovenia, 12-14 June 2016.

[b.37] I.Mporas, M. Paraskevas, "Automatic Forest Wood Logging Identification based on Acoustic Monitoring", in Proc. of 9th Hellenic Conference on Artificial Intelligence, Thessaloniki, Greece, May 18-20, 2016.

[b.38] V. Gkamas, M. Paraskevas, Ch. Kaklamanis, "Design of a secure BYOD policy for the Greek School Network: a case study", in Proc. of 19th IEEE International Conference on Computational Science and Engineering (CSE 2016), August 24-26, 2016 - Paris, France.

[b.39] V. Gkamas, A. Koutoumanos, K. Alexandris, E. Megalou, M. Paraskevas and C. Kaklamanis, "Integrating the Kaltura Video Platform with the Photodentro Video Repository: a Case Study", in Proc. of 19th IEEE International Conference on Computational Science and Engineering (CSE 2016), August 24-26, 2016 - Paris, France.

[b.40] Ch. Petrou, M. Paraskevas, «Signal Processing Techniques Restructure: The Big Data Era», in Proc. of 20th Panhellenic Conference on Informatics with international participation, PCI 2016, Patras, Greece, Nov 10-12, 2016.

[b.41] J. Christodoulopoulos, M. Paraskevas, V. Triantafyllou, «Software Defined Networks: A case for QoS implementation at the Greek School Network», in Proc. of 20th Panhellenic Conference on Informatics with international participation, PCI 2016, Patras, Greece, Nov 10-12, 2016.

[b.42] N. Spatiotis, I. Mporas, M. Paraskevas, I. Perikos, «Sentiment Analysis for the Greek Language», in Proc. of 20th Panhellenic Conference on Informatics with international participation, PCI 2016, Patras, Greece, Nov 10-12, 2016.

[b.43] I. Perikos, V. Gkamas, Th. Zarouchas, M. Paraskevas, «Educational capabilities of a novel

teleconference service integrated into the Greek school community», in Proc. of 20th Panhellenic Conference on Informatics with international participation, PCI 2016, Patras, Greece, Nov 10-12, 2016.

[b.44] G. Drakopoulos, F. Stathopoulou, G. Tzimas, <u>M. Paraskevas</u>, P. Mylonas, S. Sioutas, «A Genetic Algorithm For Discovering Linguistic Communities In Spatiosocial Tensors With An Application To Trilingual Luxemburg», in Proc. of Mining Humanistic Data Workshop MHDW 2017, Athens, Greece, August 25-26, 2017.

[b.45] N. Spatiotis, <u>M. Paraskevas</u>, I. Perikos, I. Mporas, «Examining the Impact of Feature Selection on Sentiment Analysis for the Greek Language», in Proc. of the 19th International Conference on Speech and Computer, SPECOM 2017, Hatfield, UK, September 12-16, 2017.

[b.46] F. Grivokostopoulou, I. Perikos, K. Kovas, <u>M. Paraskevas</u>, I. Hatzilygeroudis, «Utilizing Virtual Reality to Assist Students in Learning Physics», in Proc. of the IEEE International Conference on Teaching, Assessment, and Learning for Engineering, IEEE/TALE 2017, Hong Kong, 12-14 December, 2017.

[b.47] F. Grivokostopoulou, I. Perikos, K. Kovas, <u>M. Paraskevas</u>, I.Hatzilygeroudis, «Formulating an Innovative Training Framework for STEM Entrepreneurship», in Proc. of 12th annual International Technology, Education and Development Conference, INTED2018, Valencia, Spain, 5-7 March, 2018.

[b.48] N. Spatiotis, I. Perikos, I. Mporas, <u>M. Paraskevas</u>, «Evaluation of an Educational Training Platform Using Text Mining», in Proc. of the 10th Hellenic Conference on Artificial Intelligence, SETN 2018, July 9–12, 2018, Patras, Greece.

[b.49] I.Perikos, <u>M. Paraskevas</u>, I. Hatzilygeroudis, «Facial Expression Recognition Using Adaptive Neuro-fuzzy Inference Systems», in Proc. of the 17th IEEE/ACIS International Conference on Computer and Information Science, (ICIS 2018), June 6-8, 2018, Singapore.

[b.50] S. Louvros, <u>M. Paraskevas</u>, «Multi-Carrier Signal Transmission Over Wireless Channels: The Heisenberg Group H(R) operators' case», in Proc. of the 2018 Intrnational Conference on Topology and its Applications, July 7-11, 2018, Nafpaktos, Greece.

[b.51] F.Grivokostopoulou, <u>M.Paraskevas,</u> I.Perikos, S.Nikolic, K.Kovas and I.Hatzilygeroudis "Examining the Impact of Pedagogical Agents on Students Learning Experience in Virtual Worlds", IEEE International Conference on Teaching, Assessment, and Learning for Engineering (IEEE TALE 2018), 4-7 December, 2018, Wollongong, Australia.

[b.52] I.Perikos, S.Kardakis, <u>M.Paraskevas</u> and I.Hatzilygeroudis, "Hidden Markov Models for Sentiment Analysis in Social Media", in Proc. of the 4th International Conference on Big Data, Cloud Computing, and Data Science Engineering (BCD 2019), May 29-31, 2019, Honolulu, Hawaii.

[b.53] F.Grivokostopoulou, I.Perikos, <u>M.Paraskevas</u> and I.Hatzilygeroudis, "An Ontology-based Approach for User Modelling and Personalization in E-Learning Systems", in Proc. of the 18th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2019), June 17-19, 2019, Beijing, China.

[b.54] N.Spatiotis, I.Perikos, I.Mporas, <u>M.Paraskevas</u>, "Examining the Impact of Discretization Technique on Sentiment Analysis for the Greek Language", in Proc. of the 10th International IEEE Conference on Information, Intelligence, Systems and Applications (IISA 2019), 15-17 July 2019, Patras, Greece.

[b.55] I.Daramouskas, V.Kapoulas, <u>M.Paraskevas</u>, "Using Neural Networks for RSSI Location Estimation in LoRA Networks", in Proc. of the 10th International IEEE Conference on Information, Intelligence, Systems and Applications (IISA 2019), 15-17 July 2019, Patras, Greece.

[b.56] V.Gkamas, <u>M.Paraskevas</u>, E.Varvarigos, "BYOD for learning and teaching in Greek Schools: Challenges and constraints according to teachers' point of view", in Proc. of the 10th International IEEE Conference on Information, Intelligence, Systems and Applications (IISA 2019), 15-17 July 2019, Patras, Greece.

[b.57] P.A.Schirmer, I.Mporas, <u>M.Paraskevas</u>, "Evaluation of Regression Algorithms and Features on the Energy Disaggregation Task", in Proc. of the 10th International IEEE Conference on Information, Intelligence, Systems and Applications (IISA 2019), 15-17 July 2019, Patras, Greece.

[b.58]   I.Mporas, I.Perikos, M.Paraskevas, "Pigmented Skin Lesions Classification Using Data Driven Subsets of Image Features", in Proc. of the 10th International IEEE Conference on Information, Intelligence, Systems and Applications (IISA 2019), 15-17 July 2019, Patras, Greece.

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[b.60]   Gkamas V., Rigou M., Paraskevas M., Zarouchas T., Perikos I., Vassiliou V., Gueorguiev .l, Varbanov P., Sharkov G., Todorova C., Sotiropoulou A. "Bridging the skills gap in the Data Science and Internet of Things domains: A Vocational Education and Training Curriculum", 28th ICDE World Conference on Online Learning, 3-7 November 2019, Dublin, Ireland.

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