



**ΔΙΕΘΝΕΣ ΠΑΝΕΠΙΣΤΗΜΙΟ ΤΗΣ ΕΛΛΑΔΟΣ
ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ**

**Έκθεση Εσωτερικής Αξιολόγησης
Ακαδημαϊκό Έτος 2019-2020**

Παράρτημα II

Δημοσιεύσεις του Τμήματος Πληροφορικής



**ΔΙΕΘΝΕΣ ΠΑΝΕΠΙΣΤΗΜΙΟ ΤΗΣ ΕΛΛΑΔΟΣ
ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ**

**ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ ΤΜΗΜΑΤΟΣ ΠΛΗΡΟΦΟΡΙΚΗΣ ΓΙΑ
ΤΑ ΕΤΗ 2016-2020
ΣΥΝΟΛΙΚΟΣ ΑΡΙΘΜΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ: 185**

**ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ ΕΤΟΥΣ 2020
(Σύνολο 61 δημοσιεύσεις)**

1. C. Lytridis, A. Lekova, C. Bazinas, M. Manios, V.G. Kaburlasos, "WINkNN: Windowed Intervals' Number kNN classifier for efficient time-series applications," *Mathematics*, vol. 8, no. 3, 423, 2020.
2. Amanatiadis, V.G. Kaburlasos, Ch. Dardani, S.A. Chatzichristofis, A. Mitropoulos, "Social robots in special education: creating dynamic interactions for optimal experience," *IEEE Consumer Electronics Magazine*, vol. 9, no. 3, pp. 39-45, May 2020.
3. Lytridis, C. Bazinas, G. Sidiropoulos, G.A. Papakostas, V.G. Kaburlasos, V.-A. Nikopoulou, V. Holeva, A. Evangelou, "Distance special education delivery by social robots", *Electronics*, vol. 9, no. 6, p. 1034, 2020.
4. V.-A. Nikopoulou, V. Holeva, M.D. Kerasidou, P. Kechayas, M. Papadopoulou, E. Vrochidou, G.A. Papakostas, V.G. Kaburlasos, "Identifying linguistic cues; towards developing robots with empathy in autism interventions," *Journal of Clinical Medicine of Kazakhstan*, vol. 2, no. 56, pp. 27-33, 2020.
5. M. Qbadou, I. Salhi, H. El Fazazi, K. Mansouri, M. Manios, V. Kaburlasos, "Human-robot multilingual verbal communication – the ontological knowledge and learning-based models", *Advances in Science, Technology and Engineering Systems (ASTES) Journal*, vol. 5, no. 4, pp. 540-547, 2020.
6. J. Musić, M. Bonković, S. Kružić, T. Marasović, V. Papić, S. Kostova, M. Dimitrova, S. Saeva, M. Zamfirov, V. Kaburlasos, E. Vrochidou, G. Papakostas, T. Pachidis, "Robotics and information technologies in education: four countries from Alpe-Adria-Danube Region survey", *International Journal of Technology and Design Education*, 2020.
7. Vassilis Kaburlasos (Guest Editor), Special Issue on: Lattice Computing: A Mathematical Modelling Paradigm for Cyber-Physical System Applications, *Mathematics*, MDPI, 2020.
8. Μ. Παπαδοπούλου, Β. Χολέβα, Β.Α. Νικοπούλου, Π. Κεχαγιάς, Γ.Α. Παπακώστας Χ. Μπαζίνας, Χ.Ι. Παπαδοπούλου, Β. Καμπουρλάζος, Α. Ευαγγελίου, "Παρουσίαση του προγράμματος 'ΚοιΡο3Ε': Κοινωνικά Ρομπότ ως Εργαλεία στην Ειδική Εκπαίδευση", *Πανελλήνιο Παιδονευρολογικό Συνέδριο*, Λίμνη Πλαστήρα, Καρδίτσα, 7-8 Μαρτίου 2020. Βιβλίο Περιλήψεων, σελ. 14.
9. T. Kalampokas, K. Tziridis, A. Nikolaou, E. Vrochidou, G. A. Papakostas, T. Pachidis, V. G. Kaburlasos. "Semantic segmentation of vineyard images using convolutional neural networks",

- 21st International Conference on Engineering Applications of Neural Networks (EANN 2020)*, vol. 2, pp. 292-303, Halkidiki, Greece, 5-7 June, 2020.
10. M. Youssfi, O. Bouattane, V. Kaburlasos, G. Papakostas, “Generic distributed polymorphic learning model for a community of heterogeneous cyber physical social robots in MAS environment and GPU architecture”, *4th International Conference on Intelligent Systems and Computer Vision (ISCV 2020)*, Fez, Morocco, 9-11 June 2020.
 11. F. Ezzahra Ezzrhari, H. Bensag, M. Youssfi, O. Bouattane, V. Kaburlasos, “Scalable multi agent system middleware for HPC of big data applications”, *4th International Conference on Intelligent Systems and Computer Vision (ISCV 2020)*, Fez, Morocco, 9-11 June 2020.
 12. V.G. Kaburlasos, invited speaker, “The Lattice Computing (LC) paradigm”. In: Francisco J. Valverde-Albacete, Martin Trnecka (Eds.), *Proceedings of the 15th International Conference on Concept Lattices and their Applications (CLA 2020)*, Tallinn, Estonia, 29 June - 1 July 2020, pp. 1-8.
 13. V.G. Kaburlasos, V. Holeva, M. Papadopoulou, C. Dardani, P. Kechayas, C. Lytridis, C. Bazinas, V. A. Nikopoulou, “A feasibility study to evaluate the application of a robot-assisted ASD intervention in Greece”, *Proceedings of the International Society for Autism Research (INSAR) 2020 Annual Meeting, May 6-9 (scheduled), Seattle, Washington, USA*, poster 448.001 uploaded June 3, 2020.
 14. C. Dardani, V.G. Kaburlasos, A. Amanatiadis, “Enhancing the applications of interactive social robots in educational interventions for autism spectrum disorders: a research initiative in Greece”, *Proceedings of the International Society for Autism Research (INSAR) 2020 Annual Meeting, May 6-9 (scheduled), Seattle, Washington, USA*, poster 448.012 uploaded June 3, 2020.
 15. V. G. Kaburlasos, E. Vrochidou, C. Lytridis, G. A. Papakostas, T. Pachidis, M. Manios, S. Mamalis, T. Merou, S. Koundouras, S. Theocharis, G. Siavalas, C. Sgouros, P. Kyriakidis, “Toward big data manipulation for grape harvest time prediction by intervals' numbers techniques”, *World Congress on Computational Intelligence (WCCI) 2020, International Joint Conference on Neural Networks (IJCNN) Program*, pp. 1-7, Glasgow, UK, 19-24 July 2020.
 16. E. Badeka, E. Vrochidou, K. Tziridis, A. Nicolaou, G. A. Papakostas, T. Pachidis. V.G. Kaburlasos, “Navigation route mapping for harvesting robots in vineyards using UAV-based remote sensing”, *Proceedings of the 10th IEEE International Conference on Intelligent Systems (IS'20)*, pp. 171-177, Varna, Bulgaria, 28-30 August 2020.
 17. T. Pachidis, C. Sgouros, V. G. Kaburlasos, E. Vrochidou, T. Kalampokas, K. Tziridis, A. Nikolaou, G. A. Papakostas, “Forward kinematic analysis of JACO2 robotic arm towards implementing a grapes harvesting robot”, *28th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2020)*, Hvar, Croatia, 17-19 September 2020.
 18. C. Lytridis, C. I. Papadopoulou, G. A. Papakostas, V. G. Kaburlasos, V.-A. Nikopoulou, M. D. Kerasidou, N. Dalivigkas, “Robot-assisted Autism Spectrum Disorder (ASD) interventions: a multi-robot approach”, *28th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2020)*, Hvar, Croatia, 17-19 September 2020.
 19. V. G. Kaburlasos, C. Lytridis, C. Bazinas, S. Chatzistamatis, K. Sotiropoulou, A. Najoua, M. Youssfi, O. Bouattane, “Head pose estimation using lattice computing techniques”, *28th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2020)*, Hvar, Croatia, 17-19 September 2020.
 20. E. Vrochidou, T. Pachidis, M. Manios, G. A. Papakostas, V. G. Kaburlasos, S. Theocharis, S. Koundouras, K. Karabatea, E. Bouloumpasi, S. Pavlidis, S. Mamalis, T. Merou. “Identifying the technological needs for developing a grapes harvesting robot: operations and systems”, *9th International Conference on Information and Communication Technologies in Agriculture, Food & Environment (HAICTA 2020)*. Thessaloniki, Greece, 24-27 September, 2020.
 21. G. K. Sidiropoulos, C. Bazinas, C. Lytridis, G. A. Papakostas, V. G. Kaburlasos, P. Kechayas, E.

- Kourampa, S.-R. Katsi, H. Karatsioras, "Synergy of intelligent algorithms for efficient child-robot interaction in special education: a feasibility study", *11th International Conference on Robotics in Education (RiE)*, Bratislava, Slovakia, 30 September - 2 October 2020.
22. R. Efstratiou, H. Karatsioras, M. Papadopoulou, C. Papadopoulou, C. Lytridis, C. Bazinas, G. A. Papakostas, V. G. Kaburlasos, "Teaching daily life skills in Autism Spectrum Disorder (ASD) interventions using the social robot Pepper", *11th International Conference on Robotics in Education (RiE)*, Bratislava, Slovakia, 30 September - 2 October 2020.
 23. E. Badeka, E. Vrochidou, G. A. Papakostas, T. Pachidis, V. G. Kaburlasos, "Harvest crate detection for grapes harvesting robot based on YOLOv3 model", *The Fourth International Conference on Intelligent Computing in Data Sciences (ICDS 2020)*, Fez, Morocco, 21-23 October 2020.
 24. V. G. Kaburlasos, C. Lytridis, C. Bazinas, G. A. Papakostas, A. Naji, M. Hicham Zaggaf, K. Mansouri, M. Qbadou, M. Mestari, "Structured human-head pose representation for estimation using fuzzy lattice reasoning (FLR)", *The Fourth International Conference on Intelligent Computing in Data Sciences (ICDS 2020)*, Fez, Morocco, 21-23 October 2020.
 25. Fentis, C. Lytridis, V. G. Kaburlasos, E. Vrochidou, T. Pachidis, E. Bahatti, M. Mestari, "A machine learning based approach for next-day photovoltaic power forecasting", *The Fourth International Conference on Intelligent Computing in Data Sciences (ICDS 2020)*, Fez, Morocco, 21-23 October 2020.
 26. E. Badeka, T. Kalampokas, E. Vrochidou, K. Tziridis, G. A. Papakostas, T. Pachidis, V. G. Kaburlasos, "Real-time vineyard trunk detection for a grapes harvesting robot via deep learning", *13th International Conference on Machine Vision (ICMV 2020)*, Rome, Italy, 2-6 November 2020.
 27. E. Bouloumpasi, S. Theocharis, A. Karampatea, S. Pavlidis, S. Mamalis, S. Koundouras, T. Merou, E. Vrochidou, T. Pachidis, M. Manios, G. Papakostas, V. Kaburlasos, "Exploration of viticultural tasks to be performed by autonomous robot: possibilities and limitation", *11th International Scientific Agriculture Symposium (AGROSYM 2020)*, Jahorina, Bosnia and Herzegovina, 8-11 October, 2020.
 28. G. K. Sidiropoulos, G. A. Papakostas, C. Lytridis, C. Bazinas, V. G. Kaburlasos, E. Kourampa, E. Karageorgiou, "Measuring engagement level in child-robot interaction using machine learning based data analysis", *IEEE International Conference on Data Analytics for Business and Industry*, 26-27 October 2020.
 29. K. Tziridis, A. Nicolaou, T. Kalampokas, E. Vrochidou, T. Pachidis, G.A. Papakostas and V. G. Kaburlasos, "Information Management and Monitoring System for a Grapes Harvesting Robot", *International Scientific Conference of Communications, Information, Electronic and Energy Systems (CIEES 2020)*, Borovets, Bulgaria, 26-29 November 2020.
 30. GA Papakostas, JW Nolan, AC Mitropoulos, "Nature-Inspired Optimization Algorithms for the 3D Reconstruction of Porous Media", *Algorithms*, vol. 13, no. 3, p. 65, 2020.
 31. G.A. Papakostas (Guest Editor), Special Issue on: "Advances in Pattern Analysis for Identity Recognition and Verification," *Applied Sciences*, MDPI, 2020.
 32. T. Maliamanis and G.A. Papakostas, "Adversarial Computer Vision: A Current Snapshot", *12th International Conference on Machine Vision (ICMV)*, vol. 11433, pp. 1143328, Amsterdam, Netherlands, 2020.
 33. E. Badeka, C.I. Papadopoulou and G.A. Papakostas, "Evaluation of LBP Variants in Retinal Blood Vessels Segmentation Using Machine Learning", *4th IEEE International Conference on Intelligent Systems and Computer Vision (ISCV2020)*, pp. 1-7, 2020.
 34. Staikopoulos, V. Kanakaris, G.A. Papakostas, "Image Transmission via LoRa Networks—A Survey," *IEEE 5th International Conference on Image, Vision and Computing (ICIVC)*, pp. 150-154, 2020.
 35. T. Maliamanis and G.A. Papakostas, "DOME-T: Adversarial computer vision attack on deep learning

- models based on Tchebichef image moments," *13th International Conference on Machine Vision (ICMV 2020)*, November 02-06, 2020, Rome, Italy.
- 36. F. Filippidou and G. A. Papakostas, "Single Sample Face Recognition Using Convolutional Neural Networks for Automated Attendance Systems," *4th International Conference on Intelligent Computing in Data Sciences (ICDS2020)*, Fez, Morocco, 2020.
 - 37. K.D. Apostolidis, P.S. Amanatidis, G.A. Papakostas, "Performance Evaluation of Convolutional Neural Networks for Gait Recognition," *24th Pan-Hellenic Conference on Informatics (PCI)*, 2020.
 - 38. D. Margounakis, T. Pachidis, D. Politis, "A Rubric-Based Evaluation of Video Conferencing Services for Educational Use," *8th International Conference, Technics and Informatics in Education (TIE)*, Serbia, 18-20th September, 2020.
 - 39. Stergios Papadimitriou, "Scientific scripting in Java with JShellLab and application to deep learning using DeepLearning4j", *International Journal of Modeling, Simulation and Scientific Computing*, vol. 11, no. 4, p. 2050031, 2020.
 - 40. E. Adamopoulou and L. Moussiades, "Chatbots: History, Architecture, and Technology," *Machine Learning with Applications*, vol. 2, p. 100006, 2020.
 - 41. G. Sidiropoulos, K. Chairi, and L. Moussiades, "Crowd simulation for crisis management: the outcomes of the last decade," *Machine Learning with Applications*, 2020.
 - 42. G. Sidiropoulos, C. Kiourt, and L. Moussiades, "Metis: Multi-Agent Based Crisis Simulation System," *11th Hellenic Conference on Artificial Intelligence (SETN)*, Athens, Greece, Sep. 2020.
 - 43. E. Adamopoulou and L. Moussiades, "An Overview of Chatbot Technology," *16th Artificial Intelligence Applications and Innovations (AIAI)*, pp. 373–383, Neos Marmaras, Greece, 5-7 June, 2020.
 - 44. F. Filippidou and L. Moussiades, "A Benchmarking of IBM, Google and Wit Automatic Speech Recognition Systems," *16th Artificial Intelligence Applications and Innovations (AIAI)*, pp. 73–82, Neos Marmaras, Greece, 5-7 June, 2020.
 - 45. S. Yu, M. Ally and A. Tsinakos, "Emerging Technologies and Pedagogies in the Curriculum," Yu et al (Eds) Book, ISBN 978-981-15-0617-8, Springer, 2020.
 - 46. Kazanidis, P. Fotaris, V. Gotzamanis and A. Tsinakos, "Educational escape room for disaster preparedness and response Training," *14th European Conference on Games Based Learning (ECGL20)*, Brighton, UK, 24th – 25th September 2020
 - 47. K. Rantos, A. Spyros, A. Papanikolaou, A. Krtsas, C. Ilioudis, and V. Katos, "Interoperability Challenges in the Cybersecurity Information Sharing Ecosystem," *Computers*, vol. 9, no. 1, p. 18, 2020.
 - 48. G. Drosatos, K. Rantos, D. Karampatzakis, T. Lagkas, and P. Sarigiannidis, "Privacy-preserving solutions in the Industrial Internet of Things," *16th International Conference on Distributed Computing in Sensor Systems (DCOSS)*, pp. 219–226, 2020.
 - 49. K. Demertzis, K. Rantos, and G. Drosatos, "A Dynamic Intelligent Policies Analysis Mechanism for Personal Data Processing in the IoT Ecosystem," *Big Data and Cognitive Computing*, vol. 4, no. 2, p. 9, 2020.
 - 50. Nikitas, K. Michalakopoulou, E.T. Njoya, and D. Karampatzakis, "Artificial intelligence, transport and the smart city: Definitions and dimensions of a new mobility era," *Sustainability*, vol. 12, p. 2789. 2020.
 - 51. D. Karampatzakis, I. Bakali, and P. Kiratsa, "Creativity Spaces Using STEAM and Internet of Things", *3rd International Experiential Conference on Applied Teaching (IECAT)*, Drama, Greece, 2020.
 - 52. G. Avramidis and D. Karampatzakis, "An Industrial IoT Edge Node for Buffer Level Detection in a Cardboard Production Line", *International Scientific Conference of Communications*,

Information, Electronic and Energy Systems (CIEES), Borovets, Bulgaria, 2020.

53. Triantafyllou, J.A.P. Jimenez, A.R. Torres, T. Lagkas, K. Rantos, and P. Sarigiannidis, "The Challenge of Privacy as a Key Perspective for the Future Electric Smart Grid," *IEEE Open Journal of the Communications Society*, 2020.
54. T. Lagkas, G. Eleftherakis, K. Dimopoulos, and J. Zhang, "Signal strength based scheme for following mobile IoT devices in dynamic environments," *Pervasive and Mobile Computing*, 2020.
55. D. Pliatsios, P. Sarigiannidis, T. Lagkas, and A.G. Sarigiannidis, "A Survey on SCADA Systems: Secure Protocols, Incidents, Threats and Tactics," *IEEE Communications Surveys & Tutorials*, vol. 22, no. 3, pp. 1942 – 1976, 2020.
56. J. Brenes, T.D. Lagkas, D. Klonidis, R. Muñoz, S. Rommel, G. Landi, I.T. Monroy, E. Grivas, E. Pikasis, G. Bernini, J.M. Fabrega, and R. Vilalta, "Network slicing architecture for SDM and analog-radio-over-fiber-based 5G fronthaul networks," *Journal of Optical Communications and Networking, IEEE/OSA*, vol. 12, no. 4, pp. B33-B43, 2020.
57. T. Lagkas, D. Klonidis, P. Sarigiannidis, and I. Tomkos, "5G/NGPON Evolution and Convergence: Developing on Spatial Multiplexing of Optical Fiber Links for 5G Infrastructures," *Fiber and Integrated Optics Journal*, vol. 39, no. 1, pp. 4-23, 2020.
58. Lytos, T. Lagkas, P. Sarigiannidis, M. Zervakis, and G. Livanos, "Towards Smart Farming: Systems, Frameworks and Exploitation of Multiple Sources," *Computer Networks*, vol. 172, p. 107147, 2020.
59. P. Radoglou-Grammatikis, P. Sarigiannidis, T. Lagkas, and I. Moscholios, "A Compilation of UAV Applications for Precision Agriculture," *Computer Networks*, vol. 172, p. 107148, 2020.
60. Spyridis, T. Lagkas, P. Sarigiannidis, and J. Zhang, "Rule-based Autonomous Tracking of RF Transmitter Using a UAV Swarm," *12th IEEE/IET International Symposium on Communication Systems, Networks and Digital Signal Processing (IEEE/IET CSNDSP 2020)*, ONLINE, July 2020.
61. Triantafyllou, P. Sarigiannidis, T. Lagkas, and A. Sarigiannidis, "A Novel LoRaWAN Scheduling Scheme for Improving Reliability and Collision Avoidance," *9th International Conference on Modern Circuits and Systems Technologies (MOCAST 2020)*, Bremen, Germany, September 2020.

ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ ΕΤΟΥΣ 2019 (Σύνολο 34 δημοσιεύσεις)

1. T. Pachidis, E. Vrochidou, C.I. Papadopoulou, V.G. Kaburlasos, S. Kostova, M. Bonković, V. Papić, "Integrating robotics in education and vice versa; shifting from blackboard to keyboard", *International Journal of Mechanics and Control*, ISSN: 1590-8844, vol. 20, no. 01, pp. 53-69, 2019.
2. E. Mavridou, E. Vrochidou, G.A. Papakostas, T. Pachidis, V.G. Kaburlasos, "Machine vision systems in precision agriculture for crop farming", *Journal of Imaging*, vol. 5, no. 89, pp. 1-32, 2019.
3. V. Kaburlasos, E. Vrochidou, "Social robots for pedagogical rehabilitation: trends and novel modeling principles". In: *Cyber-Physical Systems for Social Applications*, M. Dimitrova & H. Wagatsuma (Eds.), pp. 1-21, IGI Global, 2019.
4. C. Lytridis, C. Bazinas, G. A. Papakostas, V. Kaburlasos, "On measuring engagement level during child-robot interaction in education", *10th International Conference on Robotics in Education (RiE)*, pp. 3-13, Vienna, Austria, 10-12 April, 2019.
5. V. G. Kaburlasos, E. Vrochidou, F. Panagiotopoulos, Ch. Aitsidis, A. Jaki, "Time series classification in cyber-physical system applications by intervals' numbers techniques", *IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2019)*, pp. 1-6, New Orleans, Louisiana,

USA, 23-26 June 2019.

6. C. Lytridis, E. Vrochidou, G. Sidiropoulos, G. A. Papakostas, V. G. Kaburlasos, E. Kourampa, E. Karageorgiou, “Audio signal recognition based on Intervals’ Numbers (INs) classification techniques”, *10th International Conference on Information, Intelligence, Systems and Applications (IISA 2019)*, pp. 1-4, Patras, Greece, 15-17 July 2019.
7. C. Lytridis, V. Vassileva-Aleksandrova, M. Youssfi, C. Bazinas, V. Ferelis, A. Jaki, M. Mestari, V. G. Kaburlasos, “Social robots as cyber-physical actors in entertainment and education”, *27th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2019), Symposium on: Robotic and ICT Assisted Wellbeing*, pp. 1-6, Split, Croatia, 19-21 September 2019.
8. Jaafar, Y. Illoussamen, E. Vrochidou, T. Pachidis. V. G. Kaburlasos, M. Mestari, “Multi-agent parallel implementation to solve nonlinear equality constrained multiobjective optimization problem – Case of unmanned aerial vehicle (UAV)”, *3rd International Conference on Intelligent Computing in Data Sciences (ICDS 2019)*, pp. 1-6, Marrakech, Morocco, 28-30 October 2019.
9. V. Holeva, V.-A. Nikopoulou, M. Papadopoulou, E. Vrochidou, G. A. Papakostas, V. G. Kaburlasos, “Toward robot-assisted psychosocial intervention for children with autism spectrum disorder (ASD)”, *11th International Conference on Social Robotics (ICSR 2019)*, pp. 484-493, Madrid, Spain, 26-29 November 2019.
10. V. Kanakaris, G.A. Papakostas and D. Bandekas, “Power consumption analysis on an IoT network based on wemos: a case study”, *Telkomnika*, vol. 17, no. 5, pp. 2505-2511, 2019.
11. G.A. Papakostas (Guest Editor), Special Issue on: “Advances in Medical Image Segmentation 2019”, *Symmetry*, MDPI, 2019.
12. G.A. Papakostas (Guest Editor), Special Issue on: “Trends in Machine Learning for Visual Computing”, *Journal of Imaging*, MDPI, 2019.
13. E. Badeka, T. Kalabokas, K. Tziridis, A. Nicolaou, E. Vrochidou, E. Mavridou, G.A. Papakostas, T. Pachidis, “Grapes Visual Segmentation for Harvesting Robots Using Local Texture Descriptors”, *12th International Conference on Computer Vision Systems (ICVS)*, pp. 98-109, Thessaloniki, Greece, 2019.
14. Kazanidis, N. Pellas, P. Fotaris and A. Tsinakos, “Can the flipped classroom model improve students’ academic performance and training satisfaction in Higher Education instructional media design courses?”, *British Journal of Educational Technology*, vol. 50, no. 4, pp. 2014-2027, 2019.
15. Tsinakos and M. Siret, “Implementation of the Question-Answering System (QAS), for ARTutor augmented reality platform,” Book Chapter, *AR-FOR-EU-BOOK* (in press), 2019.
16. Tsinakos and A. Videmond, “Exploring the registration scenarios for ARTutor augmented reality platform,” Book Chapter, *ViliProject*, UK, 2019.
17. Tsinakos, “Digital Book Policies in Greece,” Invited Book Chapter, *Unesco Anual E-Learning Review*, 2019.
18. Yoko Mochizuki et all. “Rethinking Pedagogy: Exploring the potential of Technology in Achieving Quality Education,” *Mahatma Gandhi Institute of Education for Peace and Sustainable Development*, 35 Ferozshah Road, New Delhi 110001, India, © UNESCO MGIEP 2019 ISBN 978-81-89218-72-0 . Retrieved from <https://mgiep.unesco.org/reports-and-guides>.
19. Tsinakos, M. Cleveland Innes, I. Kazanidis , A.M. Hamilton , H. Schmidt, “Evaluating the impact of augmenting the material of the “Guide to Blended Learning”, Commonwealth of Learning via the ARTutor platform”, *28th ICDE World Conference on Online Learning, “Transforming Lives and Societies”*, Dublin 2019.
20. G. Terzopoulos, I. Kazanidis, M. Satratzemi, A. Tsinakos, “A comparative study of Augmented Reality platforms for building educational mobile applications,” *International Conference on Interactive Mobile Communication Technologies and Learning*, (Best IMCL2019 Short Paper

Winner Award), pp. 307-316, 2019.

21. Kalpaksi, I. Kazanidis, A. Tsinakos, “Proposed framework for the design and development of 360 ° immersive interactive video tutorials,” *5th International Congress on the Promotion of Educational Innovation*, 2019.
22. Kazanidis, K. anayotopoulou, G. Palageorgiou, A. Tsinakos “The House of Disasters: Learning to deal with disasters through a physical interface using Scratch and Makey-Makey,” *6th Panhellenic Scientific Conference on the Integration and Use of ICT in the Educational Process*, 2019.
23. Α. Καλπακτσή, Ι. Καζανίδης, Α. Τσινάκος, «Προτεινόμενο πλαίσιο για την σχεδίαση και ανάπτυξη εκπαιδευτικών διαδραστικών βίντεο εμβύθισης 360°», *5ο Διεθνές Συνέδριο για την Προώθηση της Εκπαιδευτικής Καινοτομίας*, 2019.
24. Ι. Καζανίδης, Κ. Παναγιωτοπούλου, Γ. Παλαιγεωργίου, Α. Τσινάκος «Το Σπίτι των Καταστροφών: Μαθαίνοντας για την αντιμετώπιση καταστροφών μέσω φυσικής διεπαφής με τη χρήση του Scratch και του Makey-Makey», *6ο Πανελλήνιο Επιστημονικό Συνέδριο Ένταξη και Χρήση των ΤΠΕ στην Εκπαιδευτική Διαδικασία*, 2019.
25. Tsiknas, K. Rantos, C.J. Schinas, and A. Soilemes, “Performance evaluation of TCP-BIAD in high-speed, long-distance networks,” *Computing*, vol. 101, no. 4, pp. 319–337, 2019.
26. T. Schaberreiter et al., “A Cybersecurity Situational Awareness and Information-Sharing Solution for Local Public Administrations based on Advanced Big Data Analysis: The CS-AWARE Project,” book chapter in *Challenges in Cybersecurity and Privacy – the European Research Landscape*, pp. 149-180, 2019.
27. T. Schaberreiter, V. Kupfersberger, K. Rantos, A. Spyros, A. Papanikolaou, C. Ilioudis, G. Quirchmayr, “A quantitative evaluation of trust in the quality of cyber threat intelligence sources,” *14th International Conference on Availability, Reliability and Security*, pp. 1–10, 2019.
28. Rantos, G. Drosatos, A. Kritsas, C. Ilioudis, A. Papanikolaou, and A.P. Filippidis, “A blockchain-based platform for consent management of personal data processing in the IoT ecosystem,” *Security and Communication Networks*, vol. 2019, 2019.
29. Papastylianou, A. Stasis, K. Rantos, and V. Kalogirou, “Blended Learning and Open Courseware for Promoting Interoperability in Public Services,” *International Conference on e-Democracy*, pp. 79–93, 2019.
30. D. Karampatzakis, G. Avramidis, P. Kiratsa, I. Tsekliidis and C. Oikonomidis, “A Smart Cargo Bike for the Physical Internet enabled by RFID and LoRaWAN,” *Panhellenic Conference on Electronics & Telecommunications (PACET)*, Volos, Greece, pp. 1-4, 2019.
31. Lytos, T. Lagkas, P. Sarigiannidis, and K. Bontcheva, “The Evolution of Argumentation Mining: From Models to Social Media and Emerging Tools,” *Information Processing & Management*, vol. 56, no. 6, 2019.
32. Muñoz, R. Vilalta, C. Manso, L. Rodríguez, J. M. Fábrega, R. Martínez, R. Casellas, J. Brenes, G. Landi, M. Capitani, G. Otero, D. Larrabeiti, C. Vázquez, J. D. López-Cardona, E. Grivas, T. Lagkas, D. Klonidis, S. Rommel, and I. T. Monroy, “Experimental demonstration of advanced service management in SDN/NFV front-haul networks deploying ARoF and PoF,” *45th European Conference on Optical Communication (ECOC 2019)*, Dublin, Republic of Ireland, 2019.
33. Rimboux, Rob Dupre, E. Daci, T. Lagkas, P. Sarigiannidis, P. Remagnino, and V. Argyriou, “Smart IoT Cameras for Crowd Analysis based on augmentation for automatic pedestrian detection, simulation and annotation,” *IEEE 15th International Conference on Distributed Computing in Sensor Systems (IEEE DCOSS 2019)*, Santorini, Greece, May 2019.
34. Moussiades, I. Kazanidis, and A. Iliopoulos, “A framework for the development of educational video: An empirical approach,” *Innovations in Education and Teaching International*, vol. 56, no. 2, pp. 217-228, 2019.

ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ ΕΤΟΥΣ 2018
(Σύνολο 45 δημοσιεύσεις)

1. V.G. Kaburlasos, Ch. Dardani, M. Dimitrova, A. Amanatiadis, “Multi-robot engagement in special education: a preliminary study in autism”, *36th IEEE International Conference on Consumer Electronics (ICCE)*, pp. 995-996, Las Vegas, USA, 12-15 January, 2018.
2. V. Kaburlasos, C. Bazinas, G. Siavalas, G. Papakostas, “Linguistic social robot control by crowd-computing feedback”, No. 18-2, *JSME Conference on Robotics and Mechatronics (ROBOMECH 2018)*, poster 1A1-B13, Kitakyushu, Japan, 2-5 June, 2018.
3. C. Lytridis, E. Vrochidou, V. Kaburlasos, “Emotional speech recognition toward modulating the behavior of a social robot”, No. 18-2, *JSME Conference on Robotics and Mechatronics (ROBOMECH 2018)*, poster 1A1-B14, Kitakyushu, Japan, 2-5 June 2018.
4. M. Graña, M. Dimitrova, V. Kaburlasos, “CybSPEED project description: aims and means”, No. 18-2, *JSME Conference on Robotics and Mechatronics (ROBOMECH 2018)*, poster 1P1-A13, Kitakyushu, Japan, 2-5 June, 2018.
5. G. Papakostas, G. Sidiropoulos, M. Bella, V. Kaburlasos, “Social robots in special education: current status and future challenges”, No. 18-2, *JSME Conference on Robotics and Mechatronics (ROBOMECH 2018)*, poster 1P1-A15, Kitakyushu, Japan, 2-5 June, 2018.
6. C. Lytridis, E. Vrochidou, S. Chatzistamatis, V. Kaburlasos, “Social engagement interaction games between children with autism and humanoid robot NAO”, *Proceedings of the 9th International Conference on European Transnational Educational (ICEUTE'18)*, pp. 562-570, San Sebastian, Spain, 6-8 June, 2018.
7. T. Pachidis, E. Vrochidou, V.G. Kaburlasos, S. Kostova, M. Bonković, V. Papić, “Social robotics in education: state-of-the-art and directions”, *27th International Conference on Robotics in Alpe-Adria-Danube Region (RAAD 2018)*, pp. 689-700, Patras, Greece, 6-8 June, 2018.
8. G.A. Papakostas, V.G. Kaburlasos, “Modeling in cyber-physical systems by lattice computing techniques: the case of image watermarking based on intervals’ numbers”, *World Congress on Computational Intelligence (WCCI) 2018, FUZZ-IEEE Program*, pp. 491-496, Rio de Janeiro, Brazil, 8-13 July 2018.
9. E. Vrochidou, M. Manios, V.G. Kaburlasos, F. Panagiotopoulos, C. Aitsidis, V. Ferelis, “Design of social robots using open-source robotic platforms”, *International Conference on Robotics & Mechatronics and Social Implementations*, pp. 21-26, Varna, Bulgaria, 28 August - 01 September, 2018.
10. E. Vrochidou, M. Manios, V. G. Kaburlasos, F. Panagiotopoulos, Ch. Aitsidis, V. Ferelis, “Design of social robots using open-source robotic platforms”, *Complex Control Systems*, vol. 1, pp. 21-26, 2018.
11. M. Dimitrova, H. Wagatsuma, V. Kaburlasos, A. Krastev, I. Kolev, “Towards social cognitive neuropsychology account of human-robot interaction”, *International Conference on Robotics, Mechatronics and Social Implementation*, pp. 12-16, Varna, Bulgaria, 28 August - 01 September, 2018.
12. M. Dimitrova, H. Wagatsuma, V. Kaburlasos, A. Krastev, I. Kolev, “Towards social cognitive neuropsychology account of human-robot interaction”, *Complex Control Systems*, vol. 1, pp. 12-16, 2018.
13. S. Kostova, M. I. Dimitrova, S. Saeva, M. Zamfirov, V. Kaburlasos, E. Vrochidou, M. Bonković, T. Pachidis, S. Kružić, T. Marasović, J. Musić, V. Papić, “Identifying needs of robotic and technological solutions for the classroom,” *26th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2018), Symposium on: Robotic and ICT assisted wellbeing*, Split, Croatia, 13-15 September, 2018.

14. Amanatiadis, V. Kaburlasos, E. Kosmatopoulos, "Understanding deep convolutional networks through gestalt theory," *IEEE International Workshop on Imaging Systems & Techniques (IST 2018)*, pp. 312-317, Kraków, Poland, 16-18 October, 2018.
15. Amanatiadis, V. Kaburlasos, E. Kosmatopoulos, "Interpolation kernels in fully convolutional networks and their effect in robot vision tasks," *IEEE International Workshop on Imaging Systems & Techniques (IST 2018)*, pp. 232-236, Kraków, Poland, 16-18 October, 2018.
16. G.A. Papakostas (Guest Editor), Special Issue on: "Advances in Medical Image Segmentation," *Symmetry*, MDPI, 2018.
17. P.I. Kiratsa, G.K. Sidiropoulos, E.V. Badeka, C.I. Papadopoulou, A.P. Nikolaou, G.A. Papakostas, "Gender identification through facebook data analysis using machine learning techniques", *22nd Pan-Hellenic Conference on Informatics (PCI)*, pp. 117-120, 2018.
18. G.A Papakostas, A.K. Strolis, F. Panagiotopoulos, C.N. Aitsidis, "Social Robot Selection: A Case Study in Education," *26th International Conference on Software, Telecommunications and Computer Networks (SoftCOM)*, pp. 1-4, Split, Croatia, 13-15 September, 2018.
19. E. Vrochidou, M. Manios, G.A. Papakostas, C.N. Aitsidis, F. Panagiotopoulos, "Open-Source Robotics: Investigation on Existing Platforms and Their Application in Education", *26th International Conference on Software, Telecommunications and Computer Networks (SoftCOM)*, pp. 1-6, Split, Croatia, 13-15 September, 2018.
20. E. Vrochidou, A. Najoua, C. Lytridis, M. Salonidis, V. Ferelis, G.A. Papakostas, "Social Robot NAO as a Self-Regulating Didactic Mediator: a Case Study of Teaching/Learning Numeracy", *26th International Conference on Software, Telecommunications and Computer Networks (SoftCOM)*, pp. 1-5, Split, Croatia, 13-15 September, 2018.
21. S. Papadimitriou, L. Moussiades, "Mac OS vs FreeBSD : A Comparative Evaluation," *IEEE Computer*, vol. 51, no. 2, pp. 44-53, 2018.
22. S. Papadimitriou, L. Moussiades, "The design of JVM and native libraries in ScalaLab for efficient scientific computation," *International Journal of Modeling, Simulation and Scientific Computing*, vol. 09, no 5, p. 1850037, 2018.
23. S. Papadimitriou, L. Moussiades, "Linux vs FreeBSD: a comparative evaluation," *Journal of Operating Systems Development & Trends*, vol. 5, no. 1, pp. 1-10, 2018.
24. S. Papadimitriou, L. Moussiades, "FreeBSD: a comparative evaluation," book chapter in *Operating Systems: Introduction, History and Evolution*, Nova publishing, 2018.
25. L. Moussiades, C. Kiourt, S. Papadimitriou, "Towards a robot assistant in vocabulary learning", *International Conference on Robotics, Mechatronics and Social Implementation*, Varna, Bulgaria, vol. 4/225, pp. 32-45, 28 August - 01 September 2018.
26. S. Yu, M. Ally, A. Tsinakos, "Mobile and Ubiquitous Learning - An International Handbook," Yu et al (Eds), ISBN 978-981-10-6144-8, Springer 2018.
27. Tsinakos (Eds), "Challenges and Future Trends of Distance Learning," *Educational Sciences Journal*, ISSN 2227-7102.
28. Lytridis, A. Tsinakos, I. Kazanidis, "ARTutor-An Augmented Reality Platform for Interactive Distance Learning," *Education Sciences*, vol. 8, no. 1, p. 6, 2018
29. Lytridis, A. Tsinakos, "Evaluation of the ARTutor augmented reality educational platform in tertiary education," *Smart Learning Environments*, vol. 5, no. 1, p. 6, 2018.
30. Kazanidis, G. Palaigeorgiou, A. Papadopoulou, A. Tsinakos, "Augmented Interactive Video: Enhancing Video Interactivity for the School Classroom," *Journal of Engineering Science and Technology Review*, vol. 11, no. 2, pp. 174-181, 2018.
31. Kazanidis, N. Pellas, P. Fotaris, A. Tsinakos, "Facebook and Moodle integration into instructional media design courses: A comparative analysis of students' learning experiences using the

- Community of Inquiry (CoI) model,” *International Journal of Human–Computer Interaction*, vol. 34, no. 10, pp. 932-942, 2018.
- 32. Kazanidis, G. Sotiriadis, C. Lytridis, A. Tsinakos, “Using augmented reality application for childhood education in natural disasters,” *Novel approaches in Risk, Crisis and Disaster Management*, Nova Science Publishers, 2018.
 - 33. T. Vasiliadou, E. Papadopoulou, A. Tsinakos, “A Proposed Blended Educational Framework for Administration of Enterprises in Nowadays’ Greek Financial Crisis,” *3rd World Conference of Blended Learning, Blended Learning in the Age of Social Change and Innovation*, A. Palalas, H. Norman & P. Pawluk (Eds.), pp. 68-75, Warsaw, April 2018.
 - 34. S. Nteliospoulou, V. Kratidis and A. Tsinakos, “Assessing the Value of Virtual Worlds for Distance Education Students through Collaborative Role-playing activities - An explanatory case study,” *3rd World Conference of Blended Learning, Blended Learning in the Age of Social Change and Innovation*, A. Palalas, H. Norman & P. Pawluk (Eds.), pp. 109-116, Warsaw, April 2018.
 - 35. Gotzamanis, I. Kazanidis, A. Tsinakos, “Creating an escape room for education in disaster prevention and management,” *HCICTE*, 2018.
 - 36. Rantos, G. Drosatos, K. Demertzis, C. Ilioudis, and A. Papanikolaou, “Blockchain-based Consents Management for Personal Data Processing in the IoT Ecosystem,” *ICETE* (2), pp. 738–743, 2018.
 - 37. Rantos, G. Drosatos, K. Demertzis, C. Ilioudis, A. Papanikolaou, and A. Kritsas, “ADvoCATE: a consent management platform for personal data processing in the IoT using blockchain technology,” *International Conference on Security for Information Technology and Communications*, pp. 300–313, 2018.
 - 38. T. Lagkas, V. Argyriou, S. Bibi, and P. Sarigiannidis, “UAV IoT Framework Views and Challenges: Towards Protecting Drones as “Things””, *Sensors*, vol. 18, no. 11, 2018.
 - 39. Triantafyllou, P. Sarigiannidis, and T.D. Lagkas, “Network Protocols, Schemes, and Mechanisms for Internet of Things (IoT): Features, Open Challenges, and Trends,” *Wireless Communications and Mobile Computing*, vol. 2018, Article ID 5349894, 24 pages, 2018.
 - 40. P. Bellavista, C. Giannelli, T. Lagkas, and P. Sarigiannidis, “Multi-domain SDN controller federation in hybrid FiWi-MANET networks,” *EURASIP Journal on Wireless Communications and Networking*, vol. 2018, no. 1, 2018.
 - 41. P. Bellavista, C. Giannelli, T. Lagkas, and P. Sarigiannidis, “Quality Management of Surveillance Multimedia Streams via Federated SDN Controllers in FiWi-IoT Integrated Deployment Environments,” *IEEE Access*, vol. 6, no. 1, pp. 21324-21341, 2018.
 - 42. T. Lagkas, P. Sarigiannidis, P. Bellavista, and C. Giannelli, “Multi-Stage Resource Allocation in Hybrid 25G-EPON and LTE-Advanced Pro FiWi Networks for 5G Systems,” *IET Networks*, vol. 7, no. 4, pp. 173-180, 2018.
 - 43. Basholli, T. Lagkas, P.A. Bath, and G. Eleftherakis, “Healthcare professionals' attitudes towards remote patient monitoring through sensor networks,” *IEEE 20th International Conference on e-Health Networking, Applications and Services (Healthcom)*, pp. 1-6, Ostrava, Czech Republic, September 2018.
 - 44. Dalamagkas, P. G. Sarigiannidis, I. D. Moscholios, T. Lagkas, and M. S. Obaidat, “PAS: A Fair Game-Driven DBA Scheme for XG-PON Systems,” *11th International Symposium on Communication Systems, Networks, and Digital Signal Processing*, Budapest, Hungary, July 2018.
 - 45. Lytos, T. Lagkas, P. Sarigiannidis, and K. Bontcheva, “Argumentation Mining: Exploiting Multiple Sources and Background Knowledge,” *12th South East European Doctoral Student Conference (DSC2018)*, pp. 66-74, Thessaloniki, Greece, May 2018.

ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΩΝ ΕΤΟΥΣ 2017
(Σύνολο 21 δημοσιεύσεις)

1. Amanatiadis, V.G. Kaburlasos, Ch. Dardani, S.A. Chatzichristofis, "Interactive social robots in special education," *IEEE 7th International Conference on Consumer Electronics – Berlin (ICCE-Berlin)*, pp. 210-213, Berlin, Germany, 3-6 September, 2017.
2. G.A. Papakostas, K.I. Diamantaras and T. Papadimitriou, "Parallel Pattern Classification Utilizing GPU-Based Kernelized Slackmin Algorithm," *Journal of Parallel and Distributed Computing*, vol. 99, pp. 90-99, 2017.
3. G. A. Papakostas, K. I. Diamantaras, and F. A. Palmieri, (Guest Editors), Special Issue on: "Emerging Trends in Machine Learning for Signal Processing," *Computational intelligence and neuroscience*, vol. 2017, Hindawi, 2017.
4. K. Tziridis, Th. Kalampokas, G.A. Papakostas, K.I. Diamantaras, "Airfare Prices Prediction Using Machine Learning Techniques," *25th European Signal Processing Conference (EUSIPCO 2017)*, pp. 1-4, Kos-Greece, 2017.
5. S. Papadimitriou, *Scientific Computing with ScalaLab at the Java Platform*, Scholars Press, 2017.
6. I. Καζανίδης, E. Μωυσάδης, «Η χρήση του συνεργατικού προγραμματισμού στην διδασκαλία του αντικειμενοστραφή προγραμματισμού», 3ο Διεθνές Συνέδριο για την Προώθηση της Εκπαιδευτικής Καινοτομίας, Λάρισα, 13 - 15 Οκτωβρίου, 2017.
7. P. Karamanoli, A. Tsinakos, C. Karagiannidis, "The Application of Augmented Reality for Intervention to People with Autism Spectrum Disorders," *IOSR Journal of Mobile Computing & Application (IOSR-JMCA)*, vol. 4, no. 2, pp. 42-51, 2017.
8. Lytridis and A. Tsinakos, "mLearn: A Mobile Learning Platform," *Journal of Engineering Science and Technology Review*, vol. 10, no. 4, pp. 81-86, 2017.
9. P. Chintiadis, I. Kazanidis, A. Tsinakos, "Trials of the Acropolis: Teaching Greek Mythology Using Virtual Reality and Game Based Learning," *International Conference on Interactive Mobile Communication, Technologies and Learning (IMCL2017)*, pp. 247-257, 2017.
10. Tessolin, A. Tsinakos, "Opening Real Doors: Strategies for Using Mobile Augmented Reality to Create Inclusive Distance Education for Learners with Different-Abilities," *Mobile and Ubiquitous Learning - An International Handbook*, Yu et al. (Eds) , ISBN 978-981-10-6143-1, p. 59-80, Springer 2018.
11. O. Stefanidis, A. Tsinakos, P. Karamanoli, "Blended Learning Theory and Practice, Development of a Collaborative Game for Enhancing the Educational Process in Classroom," *2nd World Conference on Blended Learning (IABL2017)*, pp. 52-60, Toronto, Canada, April 26 -28, 2017.
12. Kazanidis, A. Tsinakos, C. Lytridis, "Teaching Programming Using Augmented Reality And Collaborative Game Based Learning," *International Conference on Interactive Mobile Communication, Technologies and Learning (IMCL2017)*, pp. 363-373, , Thessaloniki, Greece, 30 Nov-1 Dec, 2017.
13. Κ. Παναγιωτοπούλου, I. Καζανίδης, A. Τσινάκος «Δημιουργία μιας φυσικής διεπαφής για τη διαχείριση των καταστροφών για παιδιά με τη χρήση του Scratch και του Makey-Makey: Η υπόθεση έκτακτης ανάγκης», Πρακτικά 5ου Πανελλήνιου Συνεδρίου με θέμα "Ολοκλήρωση και Χρήση των ΤΠΕ στην Εκπαιδευτική Διαδικασία", Ανωτάτη Σχολή Παιδαγωγικής και Τεχνολογικής Εκπαίδευσης, 21-23 Απριλίου 2017.
14. P. Azzoni, K. Rantos, L. Geretti, A. Abramo, and S. Gosetti, "Biometric Security Domain," *Measurable and Composable Security, Privacy, and Dependability for Cyberphysical Systems: The SHIELD Methodology*, p. 283, 2017.
15. P. Azzoni et al., "Security, Privacy, and Dependability Technologies," *Measurable and*

Composable Security, Privacy, and Dependability for Cyberphysical Systems: The SHIELD Methodology, p. 29, 2017.

16. Lagias, T. Lagkas, and J. Zhang, “New RSSI-based Tracking for Following Mobile Targets using the Law of Cosines,” *IEEE Wireless Communication Letters*, vol. 7, no. 3, 2017.
17. P. Sarigiannidis, T. Lagkas, S. Bibi, A. Ampatzoglou, and P. Bellavista, “Hybrid 5G Optical-wireless SDN-based Networks, Challenges and Open Issues”, *IET Networks*, vol. 6, no. 6, pp. 141-148, 2017.
18. P.M. Papadopoulos, T.D. Lagkas, and S.N. Demetriadis, “Technology-Enhanced Peer Review: Benefits and Implications of Providing Multiple Reviews,” *Journal of Educational Technology & Society*, vol. 20, no. 3, pp. 69-81, 2017.
19. Avdullahi, T. Lagkas, and P. Sarigiannidis, “QoS Supportive MAC Protocols for WSNs: Review and Evaluation,” *8th Balkan Conference in Informatics (BCI'17)*, Skopje, FYROM, September 2017.
20. Basholli and T.D. Lagkas, P.A. Bath, and G. Eleftherakis “Towards a Sensor-Based Architecture for Remote Monitoring of Patients in Developing Regions: Review and Qualitative Research Methodology,” *11th South East European Doctoral Student Conference (DSC2017)*, Thessaloniki, Greece, May 2017.
21. P. Sarigiannidis, A. Sarigiannidis, T. Lagkas, M. Obaidat, T. Zygiridis, and N. Kantartzis, “Connectivity and Coverage in Machine-Type Communications,” *IEEE International Conference on Communications (ICC2017)*, Paris, France, May 2017.

ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ ΕΤΟΥΣ 2016 (Σύνολο 24 δημοσιεύσεις)

1. A.G. Hatzimichailidis, G.A. Papakostas, V.G. Kaburlasos, “A distance measure based on fuzzy D-implications: application in pattern recognition,” *British Journal of Mathematics & Computer Science*, vol. 14, no. 3, pp. 1-14, 2016.
2. V.G. Kaburlasos, T. Pachidis, G.A. Papakostas, M. Dimitrova, S. Kostova, I. Chavdarov, “Transformations from a symbol language to a sign language by a humanoid robot for blended learning: preliminary application results,” *International Association for Blended Learning Conference (IABL 2016)*, pp. 142-145, Kavala, Greece, 22-24 April 2016.
3. M. Dimitrova, A. Lekova, I. Chavdarov, S. Kostova, A. Krastev, C. Roumenin, V. Stancheva, A. Andreeva, V.G. Kaburlasos, T. Pachidis, “A multidisciplinary framework for blending robotics in education of children with special learning needs,” *International Association for Blended Learning Conference (IABL 2016)*, pp. 152-155, Kavala, Greece, 22-24 April 2016.
4. G.A. Papakostas, A.G. Hatzimichailidis, V.G. Kaburlasos (eds.) *Handbook of Fuzzy Sets Comparison – Theory, Algorithms and Applications*. Science Gate Publishing, vol.6, 2016, ISBN: 978-618-81418-1-2 (print), ISBN: 978-618-81418-2-9 (e-book).
5. A.G. Hatzimichailidis, G.A. Papakostas, V.G. Kaburlasos, “On constructing distance and similarity measures based on fuzzy implications,” in *Handbook of Fuzzy Sets Comparison – Theory, Algorithms and Applications*, George A. Papakostas, Anestis G. Hatzimichailidis, Vassilis G. Kaburlasos (eds.), 2016. Science Gate Publishing vol. 6, pp. 1-21, 2016.
6. Y. Liu, V.G. Kaburlasos, A.G. Hatzimichailidis, Y. Xu, “Toward a synergy of a lattice implication algebra with fuzzy lattice reasoning – a lattice computing approach,” in *Handbook of Fuzzy Sets Comparison – Theory, Algorithms and Applications*, George A. Papakostas, Anestis G. Hatzimichailidis, Vassilis G. Kaburlasos (eds.), Science Gate Publishing vol. 6, pp. 23-42, 2016.
7. V.G. Kaburlasos, G.A. Papakostas, “Introduction to Computational Intelligence - A Holistic

- Approach," (in greek), ΣΥΝΔΕΣΜΟΣ ΕΛΛΗΝΙΚΩΝ ΑΚΑΔΗΜΑΪΚΩΝ ΒΙΒΛΙΟΘΗΚΩΝ, ISBN 978-960-603-078-9, 2016.
8. V. Kanakaris, G.A. Papakostas and D. Bandekas, "Impact Analysis of Video Traffic over Wireless Visual Sensor Networks under Mannasim Framework," *International Journal of Engineering and Technology*, vol. 8, no. 5, pp. 2318-2331, 2016.
 9. G.A. Papakostas, E.D. Tsougenis and D.E. Koulouriotis, "Fuzzy Knowledge-based Adaptive Image Watermarking by the Method of Moments," *Complex & Intelligent Systems*, vol. 2, no. 3, pp. 205-220, 2016.
 10. V. Kanakaris, D. Ndzi and G.A. Papakostas, "Sensitivity Analysis of AODV Protocol Regarding Forwarding Probability," *Optik - International Journal for Light and Electron Optics*, vol. 127, no. 3, pp. 1016-1021, 2016.
 11. S. Papadimitriou, L. Moussiades, "A comparative theoretical and benchmarking evaluation of modern operating system kernels," *IAENG Transactions on Engineering Sciences - Special Issue for the International Association of Engineers Conferences*, pp. 140-153, 2016.
 12. S. Papadimitriou, L. Moussiades, "Combining Scala with C++ for Efficient Scientific Computation in the Context of ScalaLab," *The World Congress on Engineering*, pp. 409-412, 29 June - 1 July, 2016, London, U.K., 2016.
 13. S. Papadimitriou, L. Moussiades, "A Comparative Evaluation of Core Kernel Features of the Recent Linux, FreeBSD, Solaris and Windows Operating Systems," *The World Congress on Engineering*, pp. 387-392, 29 June - 1 July, London, U.K., 2016.
 14. L. Moussiades, "Discovering Clusters of Plagiarism in Students' Source Codes," *Journal of Engineering Science and Technology Review*, vol. 9, pp. 8–12, 2016.
 15. L. Moussiades, A. Iliopoulou, G. Zoumpouli, and A. Liapi, "Learning Colours and Shapes by Using Mobile Devices," *International Association for Blended Learning Conference (IABL 2016)*, pp. 137–141, Kavala, Greece, 22-24 April, 2016.
 16. P. Karamanoli, A. Tsinakos, "A mobile augmented reality application for primary school's history," *IOSR Journal of Research & Method in Education (IOSR-JRME)*, vol. 6, no. 6 Ver. III, pp. 56-65, 2016.
 17. C. Lytridis, I. Kazanidis and A. Tsinakos, "The Open Courses Project at the Eastern Macedonia and Thrace Institute of Technology," *Chapter 50, State-of-the-Art and Future Directions of Smart Learning, Lecture Notes in Educational Technology*, Y. Li, M. Chang, M. Kravcik, E. Popescu, R. Huang, K., N.S. Chen (Eds.), ISBN 978-981-287-868-7, Springer, pp. 415-421, 2016.
 18. P. Karamanoli and A. Tsinakos, "Augmented Reality and Dyslexia: A New Approach in Teaching Students," *International Association for Blended Learning Conference (IABL 2016)*, pp. 102 -110, Kavala, Greece, April22-24, 2016.
 19. C. Lytridis and A. Tsinakos, "Blended Learning in a Continuing Education Short Course at EMATTECH," *International Association for Blended Learning Conference (IABL 2016)*, pp. 117 - 110, Kavala, Greece, April22-24, 2016.
 20. E. Bakogiannis, Th. Karatzoglou, A. Iosifidou, D. Karampatzakis and T. Vlastos, "Mobility Management actions to support the transition from traffic congestion to sustainable mobility in small sized cities. The case of Drama, Greece," *ECOMM 2016*, Athens, Greece, 2016.
 21. P.M. Papadopoulos, T. Lagkas, and S.N. Demetriadis, "How Revealing Rankings Affects Student Attitude and Performance in a Peer Review Learning Environment," *Computer Supported Education*, vol. 583, *Series Communications in Computer and Information Science*, Edited by S. Zvacek, T. M. Restivo, J. Uhomoibhi, and M. Helfert, Springer International Publishing, pp. 225-240, 2016.
 22. M. Louta, K. Mpanti, G. Karetos, and T. Lagkas, "Mobile Crowd Sensing Architectural Frameworks: A Comprehensive Survey," *SOACComm: 1st International Workshop on Self*

Organized Adaptive Communications, Workshop of the 7th International Conference of Information, Intelligence, Systems and Applications (IISA 2016), Chalkidiki, Greece, July 2016.

23. T.D. Lagkas, A. Lamproudi, and P. Sarigiannidis, “The Effect of Group Mobility on the Efficacy of Routing in Next Generation Mobile Networks,” *23rd IEEE International Conference on Telecommunications*, pp. 1-5, Thessaloniki, Greece, May 2016.
24. Kazanidis and M. Eleftherios, “Developing Effective Educational Videos for Blended Learning,” *International Association for Blended Learning Conference (IABL 2016)*, pp. 111–116, Kavala, Greece, 22-24 April, 2016.