Δημοσιεύσεις ΗΜΜΥ (2015-2020) (Scopus)						
1ος Συγγραφέας	Τίτλος	Έτος	Περιοδικό/Συνέδριο	Scimago	Τύπος	DOI
A. Arjmand	Training of deep convolutional neural networks to identify critical liver alterations in histopathology image samples	2020	Applied Sciences (Switzerland)	Q2	Article	10.3390/app10010042
M.P. Yavropoulou	Expression of circulating micrornas linked to bone metabolism in chronic kidney disease-mineral and bone disorder	2020	Biomedicines	Q1	Article	10.3390/biomedicines8120601
I. Kalafatakis	Using the Allen gene expression atlas of the adult mouse brain to gain further insight into the physiological significance of TAG-1/Contactin-2	2020	Brain Structure and Function	Q1	Article	10.1007/s00429-020-02108-4
P. Panagoulias	Performance metrics in OFDM wireless networks supporting quasi-random traffic	2020	Bulletin of the Polish Academy of Sciences: Technical Sciences	Q3	Article	10.24425/bpasts.2020.133114
R. Forlano	High-Throughput, Machine Learning–Based Quantification of Steatosis, Inflammation, Ballooning, and Fibrosis in Biopsies From Patients With Nonalcoholic Fatty Liver Disease	2020	Clinical Gastroenterology and Hepatology	Q1	Article	10.1016/j.cgh.2019.12.025
T. Zygiridis	Stochastic investigation of graphene structures with efficient polynomial models	2020	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-10-2019-0376
T. Karamanos	Quadrupolarisability extraction for planar metamaterial scatterers via far-field response	2020	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-10-2019-0385
S.A. Amanatiadis	Design of efficient graphene plasmonic coupling circuits for THz applications	2020	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-10-2019-0386
C. Salis	An adaptive sparse polynomial-chaos technique based on anisotropic indices	2020	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-10-2019-0392
A. Lytos	Towards smart farming: Systems, frameworks and exploitation of multiple sources	2020	Computer Networks	Q1	Article	10.1016/j.comnet.2020.107147
P. Radoglou-Grammar	A compilation of UAV applications for precision agriculture	2020	Computer Networks	Q1	Article	10.1016/j.comnet.2020.107148
D.J. Vergados	Local voting: A new distributed bandwidth reservation algorithm for 6TiSCH networks	2020	Computer Networks	Q1	Article	10.1016/j.comnet.2020.107384
I.A. Chousainov	An analytical framework of a C-RAN supporting random, quasi-random and bursty traffic	2020	Computer Networks	Q1	Article	10.1016/j.comnet.2020.107410
D.C. Tsouros	Efficient multiple constraint acquisition	2020	Constraints	Q2	Article	10.1007/s10601-020-09311-4
B. Bekhiti	On the block decomposition and spectral factors of λ-matrices	2020	Control and Cybernetics	Q4	Article	
I.A. Chousainov	Congestion probabilities in a multi-cluster c-ran servicing a mixture of traffic sources	2020	Electronics (Switzerland)	Q2	Article	10.3390/electronics9122120

V.Z. Gjorgievski	Evaluation of load matching indicators in residential PV systems-the case of Cyprus	2020	Energies	Q2	Article	10.3390/en13081934
A. Razek	Homogenization of 3D metamaterial particle arrays for oblique propagation via a point-dipole analysis	2020	EPJ Applied Physics	Q4	Article	10.1051/epjap/2020190343
T. Lagkas	5G/NGPON Evolution and Convergence: Developing on Spatial Multiplexing of Optical Fiber Links for 5G Infrastructures	2020	Fiber and Integrated Optics	Q3	Article	10.1080/01468030.2020.1725184
C. Bakirtzis	The Administrative Prevalence of Multiple Sclerosis in Greece on the Basis of a Nationwide Prescription Database	2020	Frontiers in Neurology	Q2	Article	10.3389/fneur.2020.01012
D.C. Tsouros	A novel classification via clustering algorithm for fibrosis assessment in liver biopsies	2020	Health and Technology	Q3	Article	10.1007/s12553-019-00405-5
N.A. Efkarpidis	Modeling of Heating and Cooling Energy Needs in Different Types of Smart Buildings	2020	IEEE Access	Q1	Article	10.1109/ACCESS.2020.2972965
S. Bibi	Crowdsourcing in Software Development: Empirical Support for Configuring Contests	2020	IEEE Access	Q1	Article	10.1109/ACCESS.2020.2982619
D. Pliatsios	A Survey on SCADA Systems: Secure Protocols, Incidents, Threats and Tactics	2020	IEEE Communications Surveys and Tutorials	Q1	Article	10.1109/COMST.2020.2987688
S.A. Tegos	Slotted ALOHA with NOMA for the Next Generation IoT	2020	IEEE Transactions on Communications	Q1	Article	10.1109/TCOMM.2020.3007744
J. Li	Resource Allocation in Buffer-Aided Cooperative Non-Orthogonal Multiple Access Systems	2020	IEEE Transactions on Communications	Q1	Article	10.1109/TCOMM.2020.3023458
S. Amanatiadis	Modeling the third-order electrodynamic response of graphene via an efficient finite-difference time-domain scheme	2020	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2019.2950564
A.I. Nousdilis	An Exponential Droop Control Strategy for Distributed Energy Storage Systems Integrated with Photovoltaics	2020	IEEE Transactions on Power Systems	Q1	Article	10.1109/TPWRS.2020.3045619
P.I. Panagoulias	Congestion probabilities in OFDM wireless networks with compound Poisson arrivals	2020	IET Communications	Q2	Article	10.1049/iet-com.2019.0845
I.P. Panapakidis	Combined forecasting system for short-term bus load forecasting based on clustering and neural networks	2020	IET Generation, Transmission and Distribution	Q1	Article	10.1049/iet-gtd.2019.1057
A.I. Nousdilis	Impact of policy incentives on the promotion of integrated PV and battery storage systems: A techno-economic assessment	2020	IET Renewable Power Generation	Q2	Article	10.1049/iet-rpg.2019.0797
T. Kotsiopoulos	Deep multi-sensorial data analysis for production monitoring in hard metal industry	2020	International Journal of Advanced Manufacturing Technology	Q1	Article	10.1007/s00170-020-06173-1
D. Feitosa	CODE reuse in practice: Benefiting or harming technical debt	2020	Journal of Systems and Software	Q1	Article	10.1016/j.jss.2020.110618
P. Smiari	Examining the reuse potentials of IoT application frameworks	2020	Journal of Systems and Software	Q1	Article	10.1016/j.jss.2020.110706
I.D. Moscholios	Performance evaluation of the threshold call admission policy in multi-rate loss systems	2020	Journal of Telecommunications and Information Technology	Q4	Article	10.26636/jtit.2020.142120

I.P. Keramidi	Performance evaluation of two-link multirate loss models with restricted accessibility	2020	Journal of Telecommunications and Information Technology	Q4	Article	10.26636/jtit.2020.142320
N. Ploskas	A triangulation and fill-reducing initialization procedure for the simplex algorithm	2020	Mathematical Programming Computation	Q1	Article	10.1007/s12532-020-00188-1
B. Sauk	GPU parameter tuning for tall and skinny dense linear least squares problems	2020	Optimization Methods and Software	Q1	Article	10.1080/10556788.2018.1527331
G. Barzegkar-Ntovom	Assessing the viability of battery energy storage systems coupled with photovoltaics under a pure self-consumption scheme	2020	Renewable Energy	Q1	Article	10.1016/j.renene.2020.01.061
P. Diamantoulakis	Game theoretic honeypot deployment in smart grid	2020	Sensors (Switzerland)	Q2	Article	10.3390/s20154199
D. Tsiktsiris	Real-time abnormal event detection for enhanced security in autonomous shuttles mobility infrastructures	2020	Sensors (Switzerland)	Q2	Article	10.3390/s20174943
P. Radoglou Grammati	ARIES: A Novel Multivariate Intrusion Detection System for Smart Grid	2020	Sensors (Switzerland)	Q2	Article	10.3390/s20185305
K. Koritsoglou	Improving the accuracy of low-cost sensor measurements for freezer automation	2020	Sensors (Switzerland)	Q2	Article	10.3390/s20216389
A. Jaddoa	Dynamic decision support for resource offloading in heterogeneous Internet of Things environments	2020	Simulation Modelling Practice and Theory	Q2	Article	10.1016/j.simpat.2019.102019
E. Zoumi	A Storage as a Service scheme for supporting Medical Services on 5G Vehicular Networks	2020	11th International Conference on Information, Intelligence, Systems and Applications, IISA 2020		Conference Paper	10.1109/IISA50023.2020.9284339
G. Kakamoukas	High Level Drone Application Enabler: An Open Source Architecture	2020	2020 12th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2020		Conference Paper	10.1109/CSNDSP49049.2020.9249442
I. Moscholios	Teletraffic Loss/Queueing Models in LEO Mobile Satellite Systems: A Short Survey	2020	2020 12th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2020		Conference Paper	10.1109/CSNDSP49049.2020.9249490
G. Kakamoukas	Towards Protecting Agriculture from Exogenous and Endogenous Factors: An Holistic Architecture	2020	2020 12th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2020		Conference Paper	10.1109/CSNDSP49049.2020.9249561
I. Moscholios	A Multirate System of Quasi-Random Arrivals and a Threshold Call Admission Policy	2020	2020 12th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2020		Conference Paper	10.1109/CSNDSP49049.2020.9249590

Y. Spyridis	Rule-based Autonomous Tracking of RF Transmitter Using a UAV Swarm	2020	2020 12th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2020		Conference Paper	10.1109/CSNDSP49049.2020.9249591
G. Livanos	Extraction of Reflectance Maps for Smart Farming Applications Using Unmanned Aerial Vehicles	2020	2020 12th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2020		Conference Paper	10.1109/CSNDSP49049.2020.9249628
I.D. Bougas	State-of-the-Art Technologies in RF Energy Harvesting Circuits - A Review	2020	2020 3rd World Symposium on Communication Engineering, WSCE 2020		Conference Paper	10.1109/WSCE51339.2020.9275507
K.D. Stergiou	Federated Learning Algorithms: Towards Next Generation Communication Systems	2020	2020 3rd World Symposium on Communication Engineering, WSCE 2020		Conference Paper	10.1109/WSCE51339.2020.9275577
D. Stimoniaris	Design and Construction of HVAC and Lighting Controller with Internet of Things Capabilities	2020	2020 3rd World Symposium on Communication Engineering, WSCE 2020		Conference Paper	10.1109/WSCE51339.2020.9275578
D. Pliatsios	Big Data against Security Threats: The SPEAR Intrusion Detection System	2020	2020 3rd World Symposium on Communication Engineering, WSCE 2020		Conference Paper	10.1109/WSCE51339.2020.9275580
A. Arjmand	Transfer Learning versus Custom CNN Architectures in NAFLD Biopsy Images	2020	2020 43rd International Conference on Telecommunications and Signal Processing, TSP 2020		Conference Paper	10.1109/TSP49548.2020.9163489
T. Sanida	Accelerating the AES Algorithm using OpenCL	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200240
T. Sanida	A Heterogeneous Implementation of the Sobel Edge Detection Filter Using OpenCL	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200249
A. Triantafyllou	A Novel LoRaWAN Scheduling Scheme for Improving Reliability and Collision Avoidance	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200253
D. Pliatsios	Trust Management in Smart Grid: A Markov Trust Model	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200256
N. Baras	A cloud based smart recycling bin for waste classification	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200283

P.R. Grammatikis	An Anomaly Detection Mechanism for IEC 60870-5-104	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200285
P. Radoglou-Gramma	Implementation and detection of modbus cyberattacks	2020	2020 9th International Conference on Modern Circuits and Systems Technologies, MOCAST 2020		Conference Paper	10.1109/MOCAST49295.2020.9200287
Fyntanidou, B.	IoT-based smart triage of Covid-19 suspicious cases in the Emergency Department	2020	2020 IEEE Globecom Workshops, GC Wkshps 2020 - Proceedings		Conference Paper	10.1109/GCWkshps50303.2020.9367584
D. Ziouzios	Fueling the technology growth using innovative IoT solutions: The SmartBin project	2020	2020 International Conference on Technology and Entrepreneurship, ICTE 2020		Conference Paper	10.1109/ICTE47868.2020.9215536
A. Protopsaltis	Data visualization in internet of things: Tools, methodologies, and challenges	2020	ACM International Conference Proceeding Series		Conference Paper	10.1145/3407023.3409228
P. Radoglou-Gramma	DIDEROT: An intrusion detection and prevention system for DNP3-based SCADA systems	2020	ACM International Conference Proceeding Series		Conference Paper	10.1145/3407023.3409314
Maikantis T	Software Architecture Reconstruction via a Genetic Algorithm: Applying the Move Class Refactoring	2020	ACM International Conference Proceeding Series		Conference Paper	10.1145/3437120.3437292
E. Zoumi	A Load Balancing Algorithm for 5G Vehicular Cloud Computing Systems	2020	ACM International Conference Proceeding Series		Conference Paper	10.1145/3437120.3437316
Tsouros DC	Towards a Fully Open-Source System for Monitoring of Crops with UAVs in Precision Agriculture	2020	ACM International Conference Proceeding Series		Conference Paper	10.1145/3437120.3437333
I. Keramidi	Call-Level Analysis of a Two-Link Multirate Loss Model with Restricted Accessibility	2020	Advances in Intelligent Systems and Computing		Conference Paper	10.1007/978-3-030-31254-1_29
I. Karnaris	Overview of aromatic plants precision agriculture with the use of UAV	2020	CEUR Workshop Proceedings		Conference Paper	
I.A. Chousainov	An Analytical Framework of a C-RAN Supporting Bursty Traffic	2020	IEEE International Conference on Communications		Conference Paper	10.1109/ICC40277.2020.9149219
N.E. Koltsaklis	The role of electricity storage in the energy transition	2020	International Conference on the European Energy Market, EEM		Conference Paper	10.1109/EEM49802.2020.9221879
S. Voulgaropoulou	Predicting the Execution Time of the Interior Point Method for Solving Linear Programming Problems Using Artificial Neural Networks	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-38629-0_26
E. Karantoumanis	Power consumption estimation in data centers using machine learning techniques	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-53552-0_20

D.C. Tsouros	Omissions in Constraint Acquisition	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-58475-7_54
G. Drosatos	Privacy-preserving solutions in the Industrial Internet of Things	2020	Proceedings - 16th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2020		Conference Paper	10.1109/DCOSS49796.2020.00044
A. Triantafyllou	Modelling deployment costs of Precision Agriculture Monitoring Systems	2020	Proceedings - 16th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2020		Conference Paper	10.1109/DCOSS49796.2020.00048
Z.G. Datsios	Laboratory Measurement of the Impulse Characteristics of Wet Sand	2020	Proceedings - 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe, EEEIC / I and CPS Europe 2020		Conference Paper	10.1109/EEEIC/ICPSEurope49358.2020.9160832
T. Lampros	Fetal Heart Beat detection based on Empirical Mode Decomposition, Signal Quality Indices and Correlation Analysis	2020	Proceedings - IEEE 20th International Conference on Bioinformatics and Bioengineering, BIBE 2020		Conference Paper	10.1109/BIBE50027.2020.00144
V. Fiska	Motor data analysis of Parkinson's disease patients	2020	Proceedings - IEEE 20th International Conference on Bioinformatics and Bioengineering, BIBE 2020		Conference Paper	10.1109/BIBE50027.2020.00160
I. Siniosoglou	NeuralPot: An Industrial Honeypot Implementation Based on Deep Neural Networks	2020	Proceedings - IEEE Symposium on Computers and Communications		Conference Paper	10.1109/ISCC50000.2020.9219712
P.R. Grammatikis	Secure and private smart grid: The SPEAR architecture	2020	Proceedings of the 2020 IEEE Conference on Network Softwarization: Bridging the Gap Between AI and Network Softwarization, NetSoft 2020		Conference Paper	10.1109/NetSoft48620.2020.9165420
Sideris A.	High Throughput Pipelined Implementation of the SHA-3 Cryptoprocessor	2020	Proceedings of the International Conference on Microelectronics, ICM		Conference Paper	10.1109/ICM50269.2020.9331803
V. Christou	Self-Adaptive Hybrid Extreme Learning Machine for Heterogeneous Neural Networks	2020	Proceedings of the International Joint Conference on Neural Networks		Conference Paper	10.1109/IJCNN48605.2020.9207608
I. Kosmopoulos	An Efficient Mobility Management Scheme for 5G Network Architectures	2020	SEEDA-CECNSM 2020 - 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference		Conference Paper	10.1109/SEEDA-CECNSM49515.2020.9221842

P. Sarigiannidis	First international workshop on electrical power and energy systems safety, security and Resilience (EPESec 2020)	2020	ACM International Conference Proceeding Series		Editorial	
P. Sarigiannidis	The Big Data era in IoT-enabled smart farming: Re-defining systems, tools, and techniques	2020	Computer Networks	Q1	Editorial	10.1016/j.comnet.2019.107043
I. Atov	Data Science and Artificial Intelligence for Communications	2020	IEEE Communications Magazine	Q1	Editorial	10.1109/MCOM.2020.9040255
T. Lagkas	Message from the IoTI4 2020 Workshop Chairs	2020	Proceedings - 16th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2020		Editorial	10.1109/DCOSS49796.2020.00010
A. Arjmand	Quantification of liver fibrosis-a comparative study	2020	Applied Sciences (Switzerland)	Q2	Review	10.3390/app10020447
I. Koutroulou	Epidemiology of Patent Foramen Ovale in General Population and in Stroke Patients: A Narrative Review	2020	Frontiers in Neurology	Q2	Review	10.3389/fneur.2020.00281
T. Zygiridis	Sparse polynomial-chaos models for stochastic problems with filtering structures	2019	Advanced Electromagnetics	Q3	Article	10.7716/aem.v8i5.1328
P.I. Panagoulias	An analytical framework in OFDM wireless networks servicing random or quasi-random traffic	2019	Applied Sciences (Switzerland)	Q2	Article	10.3390/app9245376
K. Tzimourta	EEG window length evaluation for the detection of Alzheimer's disease over different brain regions	2019	Brain Sciences		Article	10.3390/brainsci9040081
N. Ploskas	Evaluating and ranking patents with multiple criteria: How many criteria are required to find the most promising patents?	2019	Computers and Chemical Engineering	Q1	Article	10.1016/j.compchemeng.2019.01.011
K. Tzimourta	Analysis of electroencephalographic signals complexity regarding Alzheimer's Disease	2019	Computers and Electrical Engineering	Q2	Article	10.1016/j.compeleceng.2019.03.018
K. Stergiou	Neighborhood singleton consistencies	2019	Constraints	Q2	Article	10.1007/s10601-018-9298-1
P. Gkaidatzis	Efficient RES penetration under optimal distributed generation placement approach	2019	Energies	Q2	Article	10.3390/en12071250
A. Gaglia	Energy performance of European residential buildings: Energy use, technical and environmental characteristics of the Greek residential sector – energy conservation and CO_2 reduction	2019	Energy and Buildings	Q1	Article	10.1016/j.enbuild.2018.10.042
A. Bouhouras	A NILM algorithm with enhanced disaggregation scheme under harmonic current vectors	2019	Energy and Buildings	Q1	Article	10.1016/j.enbuild.2018.11.013
M. Tsipouras	Spectral information of EEG signals with respect to epilepsy classification	2019	Eurasip Journal on Advances in Signal Processing	Q3	Article	10.1186/s13634-019-0606-8
N. Ploskas	A decision support system for multiple criteria alternative ranking using TOPSIS and VIKOR in fuzzy and nonfuzzy environments	2019	Fuzzy Sets and Systems	Q1	Article	10.1016/j.fss.2019.01.012
K. Tzimourta	A robust methodology for classification of epileptic seizures in EEG signals	2019	Health and Technology	Q3	Article	10.1007/s12553-018-0265-z

P.I. Radoglou-Gramm	Securing the Smart Grid: A Comprehensive Compilation of Intrusion Detection and Prevention Systems	2019	IEEE Access	Q1	Article	10.1109/ACCESS.2019.2909807
S. Goudos	A Novel Design Approach for 5G Massive MIMO and NB-IoT Green Networks Using a Hybrid Jaya-Differential Evolution Algorithm	2019	IEEE Access	Q1	Article	10.1109/ACCESS.2019.2932042
A. Papadopoulos	Uncertainty study of periodic-grating wideband filters with sparse polynomial-chaos expansions	2019	IEEE Photonics Technology Letters	Q1	Article	10.1109/LPT.2019.2935322
T. Zygiridis	Regression-based stochastic study of electromagnetic fields due to lightning strikes	2019	IEEE Transactions on Electromagnetic Compatibility	Q1	Article	10.1109/TEMC.2018.2867062
T. Karamanos	Eigenmode Solution for TE-Wave Propagation through Anisotropic Metamaterial Particle 3-D Arrays via Dipole Approximation	2019	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2019.2940608
T. Zygiridis	Intrusive polynomial-chaos approach for stochastic problems with axial symmetry	2019	IET Microwaves, Antennas and Propagation	Q2	Article	10.1049/iet-map.2018.5306
S. Amanatiadis	Combining standard with optimised split-step finite-difference time-domain methods for the study of graphene configurations	2019	IET Science, Measurement and Technology	Q2	Article	10.1049/iet-smt.2018.5641
D. Pliatsios	Resource allocation combining heuristic matching and particle swarm optimization approaches: The case of Downlink Non-Orthogonal Multiple Access	2019	Information (Switzerland)	Q3	Article	10.3390/info10110336
A. Triantafyllou	Precision agriculture: A remote sensing monitoring system architecture	2019	Information (Switzerland)	Q3	Article	10.3390/info10110348
A. Lytos	The evolution of argumentation mining: From models to social media and emerging tools	2019	Information Processing and Management	Q1	Article	10.1016/j.ipm.2019.102055
I.A. Skordas	Air quality meteorological and environmental information system in Western Macedonia, Hellas	2019	International Journal of Web Engineering and Technology	Q4	Article	10.1504/IJWET.2019.105592
J. Liu	Tuning BARON using derivative-free optimization algorithms	2019	Journal of Global Optimization	Q1	Article	10.1007/s10898-018-0640-3
A. Chatzimparmpas	Maintenance process modeling and dynamic estimations based on Bayesian networks and association rules	2019	Journal of Software: Evolution and Process	Q3	Article	10.1002/smr.2163
I. Zozas	REI: An integrated measure for software reusability	2019	Journal of Software: Evolution and Process	Q3	Article	10.1002/smr.2216
V. Christou	Hybrid extreme learning machine approach for heterogeneous neural networks	2019	Neurocomputing	Q1	Article	10.1016/j.neucom.2019.04.092
K. Kalafatakis	Utilization of the allen gene expression atlas to gain further insight into glucocorticoid physiology in the adult mouse brain	2019	Neuroscience Letters	Q2	Article	10.1016/j.neulet.2019.05.020
C. Dalamagkas	Dynamic scheduling in TWDM-PONs using game theory	2019	Optical Switching and Networking	Q2	Article	10.1016/j.osn.2017.12.004
T. Tegou	A low-cost indoor activity monitoring system for detecting frailty in older adults	2019	Sensors (Switzerland)	Q2	Article	10.3390/s19030452
I.G. Tsoulos	NNC: A tool based on Grammatical Evolution for data classification and differential equation solving	2019	SoftwareX	Q2	Article	10.1016/j.softx.2019.100297

I. Tsoulos	GenConstraint: A programming tool for constraint optimization problems	2019	SoftwareX	Q2	Article	10.1016/j.softx.2019.100355
E. Skondras	Mobility management on 5G Vehicular Cloud Computing systems	2019	Vehicular Communications	Q1	Article	10.1016/j.vehcom.2019.01.001
N. Miridakis	All-Optical FSO Relaying Under Mixture-Gamma Fading Channels and Pointing Errors	2019	Wireless Personal Communications	Q3	Article	10.1007/s11277-018-6050-5
D. Ziouzios	Smart-grid modelling and simulation	2019	Power Systems		Chapter	10.1007/978-3-030-03640-9_3
S. Goudos	Communication protocols for the IoT-based smart grid	2019	Power Systems		Chapter	10.1007/978-3-030-03640-9_4
A. Sideris	Smart grid hardware security	2019	Power Systems		Chapter	10.1007/978-3-030-03640-9_5
E. Skondras	A route selection scheme for supporting virtual tours in sites with cultural interest using drones	2019	2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018		Conference Paper	10.1109/IISA.2018.8633594
E. Skondras	A network selection scheme with adaptive criteria weights for 5G vehicular systems	2019	2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018		Conference Paper	10.1109/IISA.2018.8633595
N. Mantas	Enhanced CLWPR protocol with social properties exploiting physical proximity in VANETs	2019	2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018		Conference Paper	10.1109/IISA.2018.8633619
K. Banti	Data quality in mobile crowd sensing systems: Challenges and perspectives	2019	2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018		Conference Paper	10.1109/IISA.2018.8633627
E. Skondras	A Survey on Medium Access Control Schemes for 5G Vehicular Cloud Computing Systems	2019	2018 Global Information Infrastructure and Networking Symposium, GIIS 2018		Conference Paper	10.1109/GIIS.2018.8635661
P. Radoglou-Gramma	An Anomaly-Based Intrusion Detection System for the Smart Grid Based on CART Decision Tree	2019	2018 Global Information Infrastructure and Networking Symposium, GIIS 2018		Conference Paper	10.1109/GIIS.2018.8635743
P. Radoglou-Gramma	An Overview of the Firewall Systems in the Smart Grid Paradigm	2019	2018 Global Information Infrastructure and Networking Symposium, GIIS 2018		Conference Paper	10.1109/GIIS.2018.8635747
M. Al-Saadi	A novel approach for performance-based clustering and anagement of network traffic flows	2019	2019 15th International Wireless Communications and Mobile Computing Conference, IWCMC 2019		Conference Paper	10.1109/IWCMC.2019.8766728
A. Arjmand	Deep learning in liver biopsies using convolutional neural networks	2019	2019 42nd International Conference on Telecommunications and Signal Processing, TSP 2019		Conference Paper	10.1109/TSP.2019.8768837

D. Ziouzios	A smart bin implementantion using LoRa	2019	2019 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNSM 2019	Conference Paper	10.1109/SEEDA-CECNSM.2019.8908523
I.P. Panapakidis	A Comparison of Feature Selection Techniques for Neural Network Based Load Forecasting	2019	2019 54th International Universities Power Engineering Conference, UPEC 2019 - Proceedings	Conference Paper	10.1109/UPEC.2019.8893447
I.S. Lamprianidou	Impact of Data-Driven Modelling Approaches on the Analysis of Active Distribution Networks	2019	2019 54th International Universities Power Engineering Conference, UPEC 2019 - Proceedings	Conference Paper	10.1109/UPEC.2019.8893489
I. Skalidi	Utilizing Harmonics in Sequential and Parallel Disaggregation Schemes	2019	2019 54th International Universities Power Engineering Conference, UPEC 2019 - Proceedings	Conference Paper	10.1109/UPEC.2019.8893643
D. Tsiktsiris	HLS Accelerated Noise Reduction Approach Using Image Stacking on Xilinx PYNQ	2019	2019 8th International Conference on Modern Circuits and Systems Technologies, MOCAST 2019	Conference Paper	10.1109/MOCAST.2019.8741574
A. Sideris	Hardware Acceleration of SHA-256 Algorithm Using NIOS-II Processor	2019	2019 8th International Conference on Modern Circuits and Systems Technologies, MOCAST 2019	Conference Paper	10.1109/MOCAST.2019.8741638
C. Salis	A Stochastic FDTD Method for Rectangular Objects with Geometric Uncertainties	2019	2019 8th International Conference on Modern Circuits and Systems Technologies, MOCAST 2019	Conference Paper	10.1109/MOCAST.2019.8741660
N. Baras	Multi-Robot Coverage Path Planning in 3-Dimensional Environments	2019	2019 8th International Conference on Modern Circuits and Systems Technologies, MOCAST 2019	Conference Paper	10.1109/MOCAST.2019.8741700
N. Baras	Autonomous Obstacle Avoidance Vehicle Using LIDAR and an Embedded System	2019	2019 8th International Conference on Modern Circuits and Systems Technologies, MOCAST 2019	Conference Paper	10.1109/MOCAST.2019.8742065
N. Baras	An algorithm for routing heterogeneous vehicles in robotized warehouses	2019	5th Panhellenic Conference on Electronics and Telecommunications, PACET 2019	Conference Paper	10.1109/PACET48583.2019.8956244
D. Pliatsios	Cost-efficient Remote Radio Head Deployment in 5G Networks Under Minimum Capacity Requirements	2019	5th Panhellenic Conference on Electronics and Telecommunications, PACET 2019	Conference Paper	10.1109/PACET48583.2019.8956245

D. Ziouzios	A Smart Recycling Bin for Waste Classification	2019	5th Panhellenic Conference on Electronics and Telecommunications, PACET 2019		Conference Paper	10.1109/PACET48583.2019.8956270
D. Tsiktsiris	Accelerated Seven Segment Optical Character Recognition Algorithm	2019	5th Panhellenic Conference on Electronics and Telecommunications, PACET 2019		Conference Paper	10.1109/PACET48583.2019.8956283
A. Sideris	Hardware Acceleration of the AES Algorithm using Nios-II Processor	2019	5th Panhellenic Conference on Electronics and Telecommunications, PACET 2019		Conference Paper	10.1109/PACET48583.2019.8956285
P. Panagoulias	Performance Metrics in OFDM Wireless Networks with Restricted Accessibility	2019	5th Panhellenic Conference on Electronics and Telecommunications, PACET 2019		Conference Paper	10.1109/PACET48583.2019.8956292
E. Arvanitou	Monitoring technical debt in an industrial setting	2019	ACM International Conference Proceeding Series		Conference Paper	10.1145/3319008.3319019
I.P. Keramidi	Call blocking probabilities in a two-link loss model with restricted accessibility	2019	ConTEL 2019 - 15th International Conference on Telecommunications, Proceedings		Conference Paper	10.1109/ConTEL.2019.8848554
E. Giagozoglou	Feasibility of biomass-based CHP systems for district heating and electricity production for small cities	2019	ELECO 2019 - 11th International Conference on Electrical and Electronics Engineering		Conference Paper	10.23919/ELECO47770.2019.8990604
A. Chatzimparmpas	Analyzing the evolution of JavaScript applications	2019	ENASE 2019 - Proceedings of the 14th International Conference on Evaluation of Novel Approaches to Software Engineering		Conference Paper	10.5220/0007727603590366
D. Tsiamitros	Digital Audio Broadcasting (DAB)-based demand response for buildings, electric vehicles and prosumers (DAB-DSM)	2019	Energy Procedia		Conference Paper	10.1016/j.egypro.2018.12.004
J. Li	Buffer-Aided Relaying for Downlink NOMA Systems with Direct Links	2019	IEEE International Conference on Communications		Conference Paper	10.1109/ICC.2019.8761637
D. Pliatsios	A novel and interactive industrial control system honeypot for critical smart grid infrastructure	2019	IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks, CAMAD		Conference Paper	10.1109/CAMAD.2019.8858431
G. Efstathopoulos	Operational data based intrusion detection system for smart grid	2019	IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks, CAMAD		Conference Paper	10.1109/CAMAD.2019.8858503
N. Koltsaklis	An MILP model for the optimal energy management of a smart household	2019	International Conference on the European Energy Market, EEM		Conference Paper	10.1109/EEM.2019.8916426

N. Ploskas	Heat Exchanger Circuitry Design by Decision Diagrams	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-19212-9_30
P. Smiari	Examining the Reusability of Smart Home Applications: A Case Study on Eclipse Smart Home	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-22888-0_16
D. Tsouros	Structure-Driven Multiple Constraint Acquisition	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-30048-7_41
A. Rimboux	Smart IoT cameras for crowd analysis based on augmentation for automatic pedestrian detection, simulation and annotation	2019	Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019		Conference Paper	10.1109/DCOSS.2019.00070
D.C. Tsouros	Data acquisition and analysis methods in UAV-based applications for precision agriculture	2019	Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019		Conference Paper	10.1109/DCOSS.2019.00080
A. Triantafyllou	An architecture model for smart farming	2019	Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019		Conference Paper	10.1109/DCOSS.2019.00081
D. Pliatsios	Power allocation in downlink non-orthogonal multiple access IoT-enabled Systems: A particle swarm optimization approach	2019	Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019		Conference Paper	10.1109/DCOSS.2019.00085
A.S. Bouhouras	A PSO based optimal EVs Charging utilizing BESSs and PVs in buildings	2019	Proceedings - 2019 IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2019		Conference Paper	10.1109/CPE.2019.8862352
I.P. Panapakidis	A clustering based methodology for natural gas demand analysis	2019	Proceedings - 2019 IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2019		Conference Paper	10.1109/CPE.2019.8862407
P.A. Bonotis	Automated assessment of pain intensity based on EEG signal analysis	2019	Proceedings - 2019 IEEE 19th International Conference on Bioinformatics and Bioengineering, BIBE 2019		Conference Paper	10.1109/BIBE.2019.00111

T.A. Papadopoulos	Frequency-Dependent Earth Impedance Formulas between Overhead Conductors and Underground Pipelines	2019	Proceedings - 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe, EEEIC/I and CPS Europe 2019		Conference Paper	10.1109/EEEIC.2019.8783576
N. Efkarpidis	Modelling of Thermal Energy Demand in Smart Buildings	2019	Proceedings - 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe, EEEIC/I and CPS Europe 2019		Conference Paper	10.1109/EEEIC.2019.8783599
P. Radoglou-Gramma	Attacking IEC-60870-5-104 SCADA Systems	2019	Proceedings - 2019 IEEE World Congress on Services, SERVICES 2019		Conference Paper	10.1109/SERVICES.2019.00022
I. Zozas	Estimating the Maintenance Effort of JavaScript Applications	2019	Proceedings - 45th Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2019		Conference Paper	10.1109/SEAA.2019.00042
E.P. Loukas	A Machine Learning Approach for NILM based on Odd Harmonic Current Vectors	2019	Proceedings of 2019 8th International Conference on Modern Power Systems, MPS 2019		Conference Paper	10.1109/MPS.2019.8759666
I.P. Panapakidis	Utilizing Short-Term Load Forecasts in the Assessment of Demand Response Programs	2019	Proceedings of 2019 8th International Conference on Modern Power Systems, MPS 2019		Conference Paper	10.1109/MPS.2019.8759722
D. Tsiarmtros	Digital Audio Broadcasting (DAB) grid agents for ancillary services of the smart grid	2019	Proceedings of 2019 IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2019		Conference Paper	10.1109/ISGTEurope.2019.8905438
C. Dalamagkas	A Survey on honeypots, honeynets and their applications on smart grid	2019	Proceedings of the 2019 IEEE Conference on Network Softwarization: Unleashing the Power of Network Softwarization, NetSoft 2019		Conference Paper	10.1109/NETSOFT.2019.8806693
N. Mantas	The effect of global and local influence models on the quality of recommendations	2019	Proceedings of the 2019 International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2019 - Part of SummerSim 2019 Multiconference		Conference Paper	10.23919/SPECTS.2019.8823538
I.P. Panapakidis	Metaheuristics-Based Input Selection for Neural Networks: Application in Short-Term Load Forecasting	2019	SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area		Conference Paper	10.1109/SyNERGY-MED.2019.8764113

S. Afxentis	Technical Assessment of Coupled PV and Battery Systems - A Case Study from the Mediterranean Region	2019	SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area		Conference Paper	10.1109/SyNERGY-MED.2019.8764118
G.A. Barzegkar-Ntovo	Performance Assessment of Electrical Storage on Prosumers via Pilot Case Studies	2019	SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area		Conference Paper	10.1109/SyNERGY-MED.2019.8764127
I.P. Panapakidis	An Integrated Profit Maximization Model for Retailers in Deregulated Energy Markets	2019	SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area		Conference Paper	10.1109/SyNERGY-MED.2019.8764133
V. Gjorgievski	Sizing of Electrical and Thermal Storage Systems in the Nearly Zero Energy Building Environment - A Comparative Assessment	2019	SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area		Conference Paper	10.1109/SyNERGY-MED.2019.8764142
I.P. Panapakidis	Exploring the Potential of Metaheuristics-Based Clustering in Load Profiling Applications	2019	SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area		Conference Paper	10.1109/SyNERGY-MED.2019.8764147
E. Skondras	A Network Selection Algorithm for supporting Drone Services in 5G Network Architectures	2019	Wireless Telecommunications Symposium		Conference Paper	10.1109/WTS.2019.8715536
M. Obaidat	Foreword	2019	ICETE 2019 - Proceedings of the 16th International Joint Conference on e-Business and Telecommunications		Editorial	
L. Rousseau	Preface	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Editorial	
Y. Nikolaidis	Quality assessment of a second opinion telemedicine service	2019	Health and Technology	Q3	Review	10.1007/s12553-019-00343-2
D.C. Tsouros	A review on UAV-based applications for precision agriculture	2019	Information (Switzerland)	Q3	Review	10.3390/info10110349
A. Ampatzoglou	Identifying, categorizing and mitigating threats to validity in software engineering secondary studies	2019	Information and Software Technology	Q2	Review	10.1016/j.infsof.2018.10.006
G. Loukas	A taxonomy and survey of cyber-physical intrusion detection approaches for vehicles	2019	Ad Hoc Networks	Q1	Short Survey	10.1016/j.adhoc.2018.10.002
T. Zygiridis	Four-stage split-step 2D FDTD method with error-cancellation features	2018	Applied Computational Electromagnetics Society Journal	Q3	Article	
G. Pyrialakos	A 3-D polynomial-chaos FDTD technique for complex inhomogeneous media with arbitrary stochastically-varying index gradients	2018	Applied Computational Electromagnetics Society Journal	Q3	Article	

A.I. Nousdilis	Active power management in low voltage networks with high photovoltaics penetration based on prosumers' self-consumption	2018	Applied Energy	Q1	Article	10.1016/j.apenergy.2018.08.032
A. Papadopoulos	Performance analysis of waveguide-mode resonant optical filters with stochastic design parameters	2018	Applied Optics	Q1	Article	10.1364/AO.57.003106
I.P. Panapakidis	Optimal selection of clustering algorithm via Multi- Criteria Decision Analysis (MCDA) for load profiling applications	2018	Applied Sciences (Switzerland)	Q2	Article	10.3390/app8020237
E. Topriska	The social, educational, and market scenario for nZEB in Europe	2018	Buildings	Q2	Article	10.3390/buildings8040051
N. Ploskas	Optimization of circuitry arrangements for heat exchangers using derivative-free optimization	2018	Chemical Engineering Research and Design	Q1	Article	10.1016/j.cherd.2017.05.015
P. Bellavista	Multi-domain SDN controller federation in hybrid FiWi-MANET networks	2018	Eurasip Journal on Wireless Communications and Networking	Q2	Article	10.1186/s13638-018-1119-0
T. Kottas	A Novel Control Algorithm for DC Motors Supplied by PVs Using Fuzzy Cognitive Networks	2018	IEEE Access	Q1	Article	10.1109/ACCESS.2018.2822051
P. Bellavista	Quality management of surveillance multimedia streams via federated SDN controllers in Fiwi-iot integrated deployment environments	2018	IEEE Access	Q1	Article	10.1109/ACCESS.2018.2822401
C. Salis	Dimensionality Reduction of the Polynomial Chaos Technique Based on the Method of Moments	2018	IEEE Antennas and Wireless Propagation Letters	Q1	Article	10.1109/LAWP.2018.2874521
N. Miridakis	All cognitive MIMO: New multiuser detection approach with different priorities	2018	IEEE Transactions on Wireless Communications	Q1	Article	10.1109/TWC.2018.2838594
I. Moscholios	An analytical framework in LEO mobile satellite systems servicing batched Poisson traffic	2018	IET Communications	Q2	Article	10.1049/iet-com.2017.0220
I. Moscholios	Performance modelling of a multirate loss system with batched Poisson arrivals under a probabilistic threshold policy	2018	IET Networks	Q2	Article	10.1049/iet-net.2017.0216
T. Lagkas	Multi-stage resource allocation in hybrid 25GEPON and LTE-Advanced Pro FiWi networks for 5G systems	2018	IET Networks	Q2	Article	10.1049/iet-net.2017.0236
T.I. Tegou	Spectrum allocation in cognitive radio networks using chaotic biogeography-based optimisation	2018	IET Networks	Q2	Article	10.1049/iet-net.2017.0264
I. Nakos	Exercise training attenuates the development of cardiac autonomic dysfunction in diabetic rats	2018	In Vivo	Q3	Article	10.21873/invivo.11396
K.C. Fountoukidis	MIMO antenna selection using biogeography-based optimization with nonlinear migration models	2018	International Journal of Communication Systems	Q3	Article	10.1002/dac.3813
N. Kantartzis	Efficient Krylov-based 3D FVTD schemes with adaptive domain decomposition for graphene and nanostructured EMC components	2018	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	Q3	Article	10.1002/jnm.2236
T. Zygiridis	Investigation of uncertainty in lightning-produced EM fields with a polynomial-chaos FDTD approach	2018	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	Q3	Article	10.1002/jnm.2238

M. Dasygenis	Methods for Parallelizing Constraint Propagation through the Use of Strong Local Consistencies	2018	International Journal on Artificial Intelligence Tools	Q3	Article	10.1142/S0218213018600023
P. Angelidis	Monitoring quality-of-life parameters in wearable environments	2018	Inventions	Q2	Article	10.3390/inventions3010016
P. Tsantarliotis	Personalized UV radiation risk monitoring using wearable devices and fuzzy modeling	2018	Inventions	Q2	Article	10.3390/inventions3020026
K. Tzimourta	Direct assessment of alcohol consumption in mental state using brain computer interfaces and grammatical evolution	2018	Inventions	Q2	Article	10.3390/inventions3030051
D. Karasavvidou	Arterial damage and cognitive decline in chronic kidney disease patients	2018	Journal of Clinical Hypertension	Q2	Article	10.1111/jch.13350
C. Salis	An unconditionally stable technique for uncertainty assessment in random media based on the ADI scheme	2018	Journal of Electromagnetic Waves and Applications	Q3	Article	10.1080/09205071.2017.1403961
I. Tsoulos	Evolutionary Based Weight Decaying Method for Neural Network Training	2018	Neural Processing Letters	Q2	Article	10.1007/s11063-017-9660-0
V. Christou	Hybrid extreme learning machine approach for homogeneous neural networks	2018	Neurocomputing	Q1	Article	10.1016/j.neucom.2018.05.064
T. Glavelis	Improving a primal–dual simplex-type algorithm using interior point methods	2018	Optimization	Q1	Article	10.1080/02331934.2018.1523906
N. Fragakis	Electrophysiological markers predicting impeding AV-block during ablation of atrioventricular nodal reentry tachycardia	2018	PACE - Pacing and Clinical Electrophysiology	Q2	Article	10.1111/pace.13245
A.S. Bouhouras	Optimal distributed generation placement problem for power and energy loss minimization	2018	Power Systems		Chapter	10.1007/978-981-10-7056-3_8
T. Zygiridis	An Optimized Unconditionally Stable Approach for the Solution of Discretized Maxwell's Equations	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-74325-7_24
T. Zygiridis	Finite-difference modeling of nonlinear phenomena in time-domain electromagnetics: a review	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-89815-5_29
J. Papathanasiou	TOPSIS	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-91648-4_1
J. Papathanasiou	VIKOR	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-91648-4_2
J. Papathanasiou	PROMETHEE	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-91648-4_3
J. Papathanasiou	SIR	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-91648-4_4
J. Papathanasiou	AHP	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-91648-4_5
J. Papathanasiou	Goal programming	2018	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-91648-4_6
G. Christoforidis	Modeling and economic evaluation of PV net-metering and self-consumption schemes	2018	Studies in Systems, Decision and Control		Chapter	10.1007/978-3-319-75690-5_6

A. Tsiakalos	Development and demonstration of a system that enables PV sun-Tracking installations to supply ancillary services to the grid	2018	2017 10th International Conference on Electrical and Electronics Engineering, ELECO 2017		Conference Paper	
E. Skondras	A network selection scheme for healthcare vehicular cloud computing systems	2018	2017 8th International Conference on Information, Intelligence, Systems and Applications, IISA 2017		Conference Paper	10.1109/IISA.2017.8316378
I. Zozas	Feature models for big data applications: Modeling big data applications by applying feature models	2018	2017 8th International Conference on Information, Intelligence, Systems and Applications, IISA 2017		Conference Paper	10.1109/IISA.2017.8316394
K. Banti	ParkCar: A smart roadside parking application exploiting the mobile crowdsensing paradigm	2018	2017 8th International Conference on Information, Intelligence, Systems and Applications, IISA 2017		Conference Paper	10.1109/IISA.2017.8316447
N. Mantas	Social CLWPR: A socially enhanced position based routing protocol for handling misbehaviour inVANETs	2018	2017 8th International Conference on Information, Intelligence, Systems and Applications, IISA 2017		Conference Paper	10.1109/IISA.2017.8316449
C. Dalamagkas	PAS: A Fair Game-Driven DBA Scheme for XG-PON Systems	2018	2018 11th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2018		Conference Paper	10.1109/CSNDSP.2018.8471787
T.I. Tegou	Spectrum Allocation in Next Generation Radio Networks using Emerging Nature-inspired Algorithms	2018	2018 11th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2018		Conference Paper	10.1109/CSNDSP.2018.8471797
A. Nousdilis	Economic assessment of lithium-ion battery storage systems in the nearly zero energy building environment	2018	2018 20th International Symposium on Electrical Apparatus and Technologies, SIELA 2018 - Proceedings		Conference Paper	10.1109/SIELA.2018.8447149
D. Tsiktsiris	A portable image processing accelerator using FPGA	2018	2018 7th International Conference on Modern Circuits and Systems Technologies, MOCAST 2018		Conference Paper	10.1109/MOCAST.2018.8376566
C. Salis	Efficient stochastic em studies via dimensionality reduction of polynomial-chaos expansions	2018	2018 7th International Conference on Modern Circuits and Systems Technologies, MOCAST 2018		Conference Paper	10.1109/MOCAST.2018.8376569
C. Mpilitos	Development of a transmission line model for the thickness prediction of thin films via the infrared interference method	2018	2018 7th International Conference on Modern Circuits and Systems Technologies, MOCAST 2018		Conference Paper	10.1109/MOCAST.2018.8376575

A. Loumpas	Design and implementation of an open-source infrastructure and an intelligent thermostat	2018	2018 7th International Conference on Modern Circuits and Systems Technologies, MOCAST 2018		Conference Paper	10.1109/MOCAST.2018.8376651
G. Karatzinis	System Identification and Indirect Inverse Control Using Fuzzy Cognitive Networks with Functional Weights	2018	2018 European Control Conference, ECC 2018		Conference Paper	10.23919/ECC.2018.8550376
D.J. Vergados	Evaluation of HTTP/DASH Adaptation Algorithms on Vehicular Networks	2018	2018 Global Information Infrastructure and Networking Symposium, GIIS 2018		Conference Paper	10.1109/GIIS.2018.8635721
N. Miridakis	A new two-stage multiuser MIMO detection approach with different priorities	2018	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings		Conference Paper	10.1109/ICCW.2018.8403516
K. Kralevska	A Load Balancing Algorithm for Resource Allocation in IEEE 802.15.4e Networks	2018	2018 IEEE International Conference on Pervasive Computing and Communications Workshops, PerCom Workshops 2018		Conference Paper	10.1109/PERCOMW.2018.8480306
A. Bouhouras	A UPSO based optimal BEVs charging for voltage quality improvement	2018	2018 IEEE International Energy Conference, ENERGYCON 2018		Conference Paper	10.1109/ENERGYCON.2018.8398749
A. Nousdilis	Enhancing storage integration in buildings with photovoltaics (PV-ESTIA project)	2018	2018 IEEE International Energy Conference, ENERGYCON 2018		Conference Paper	10.1109/ENERGYCON.2018.8398760
S.P. Ntomalis	Optimal siting of BESS in distribution networks under high wind power penetration	2018	2018 IEEE International Energy Conference, ENERGYCON 2018		Conference Paper	10.1109/ENERGYCON.2018.8398771
I. Panapakidis	A missing data treatment method for photovoltaic installations	2018	2018 IEEE International Energy Conference, ENERGYCON 2018		Conference Paper	10.1109/ENERGYCON.2018.8398780
A. Arjmand	Fat droplets identification in liver biopsies using supervised learning techniques	2018	ACM International Conference Proceeding Series		Conference Paper	10.1145/3197768.3201554
A. Dalgkitsis	Traffic forecasting in cellular networks using the LSTM RNN	2018	ACM International Conference Proceeding Series		Conference Paper	10.1145/3291533.3291540
A. Triantafyllou	Towards an anonymous incident communication channel for electric smart grids	2018	ACM International Conference Proceeding Series		Conference Paper	10.1145/3291533.3291559
E. Regkou	Design and development of an android application with supportive website in order to create a travel guide for Western Macedonia	2018	ACM International Conference Proceeding Series		Conference Paper	10.1145/3291533.3291577
I. Potsika	Web information system for natural gas technicians dealing with malfunctions management - iGasService	2018	ACM International Conference Proceeding Series		Conference Paper	10.1145/3291533.3291589
P. Smiari	Knowledge acquisition during software development: Modeling with anti-patterns	2018	Advances in Intelligent Systems and Computing		Conference Paper	10.1007/978-3-319-64161-4_4
K. Tzimourta	Epileptic seizures classification based on long-term EEG signal wavelet analysis	2018	IFMBE Proceedings		Conference Paper	10.1007/978-981-10-7419-6_28
M. Tsipouras	Assessing the Frailty of Older People using Bluetooth Beacons Data	2018	International Conference on Wireless and Mobile Computing, Networking and Communications		Conference Paper	10.1109/WiMOB.2018.8589154

A. Sarigiannidis	A Novel Lexicon-Based Approach in Determining Sentiment in Financial Data Using Learning Automata	2018	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	Conference Paper	10.1007/978-3-319-77547-0_4
A. Ampatzoglou	Reusability Index: A Measure for Assessing Software Assets Reusability	2018	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	Conference Paper	10.1007/978-3-319-90421-4_3
D. Tsouros	Efficient methods for constraint acquisition	2018	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	Conference Paper	10.1007/978-3-319-98334-9_25
N. Pitropakis	An enhanced cyber attack attribution framework	2018	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	Conference Paper	10.1007/978-3-319-98385-1_15
N. Marinescu	Experiments of ultrasonically aided micro-EDM on Ti with nanostructured superficial TiO_2 layers	2018	MATEC Web of Conferences	Conference Paper	10.1051/matecconf/201817803010
A. Tsiolikas	Optimization of neural network parameters using taguchi robust design: Application in plasma arc cutting process	2018	Proceedings - 2017 4th International Conference on Mathematics and Computers in Sciences and in Industry, MCSI 2017	Conference Paper	10.1109/MCSI.2017.19
A. Nousdilis	A Sizing Method for Decentralized Energy Storage Systems Operating under a Peak Shaving Control Strategy	2018	Proceedings - 2018 53rd International Universities Power Engineering Conference, UPEC 2018	Conference Paper	10.1109/UPEC.2018.8541966
D. Raptis	Optimal Siting of BESS in Distribution Networks under High PV Penetration	2018	Proceedings - 2018 53rd International Universities Power Engineering Conference, UPEC 2018	Conference Paper	10.1109/UPEC.2018.8542010
V. Zacharaki	Demand response with residential and commercial loads for phase balancing in secondary distribution networks	2018	Proceedings - 2018 6th International Istanbul Smart Grids and Cities Congress and Fair, ICSG 2018	Conference Paper	10.1109/SGCF.2018.8408956
I.P. Panapakidis	Forecasting Bus Loads with a Combined Intelligent Prediction System	2018	Proceedings - 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe, EEEIC/I and CPS Europe 2018	Conference Paper	10.1109/EEEIC.2018.8494376

A. Nousdilis	Economic Viability of Residential PV Systems with Battery Energy Storage under Different Incentive Schemes	2018	Proceedings - 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe, EEEIC/I and CPS Europe 2018		Conference Paper	10.1109/EEEIC.2018.8494492
A. Lampropoulos	REACT - A process for improving open-source software reuse	2018	Proceedings - 2018 International Conference on the Quality of Information and Communications Technology, QUATIC 2018		Conference Paper	10.1109/QUATIC.2018.00044
P. Smiari	A smart city application modeling framework: A case study on re-engineering a smart retail platform	2018	Proceedings - 44th Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2018		Conference Paper	10.1109/SEAA.2018.00027
M. Tsipouras	Random forests with stochastic induction of decision trees	2018	Proceedings - International Conference on Tools with Artificial Intelligence, ICTAI		Conference Paper	10.1109/ICTAI.2018.00087
G. Fragulis	O.D.E.S.: An Online Dynamic Examination System based on a CMS Wordpress plugin	2018	South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA_CECNSM 2018		Conference Paper	10.23919/SEEDA-CECNSM.2018.8544928
E. Skondras	A VHO scheme for supporting healthcare services in 5G vehicular cloud computing systems	2018	Wireless Telecommunications Symposium		Conference Paper	10.1109/WTS.2018.8363956
C. Callegari	Foreword	2018	ICETE 2018 - Proceedings of the 15th International Joint Conference on e-Business and Telecommunications		Editorial	
J. Papathanasiou	Preface	2018	Springer Optimization and Its Applications		Editorial	
M. Chatzisideris	Corrigendum to "Cost-competitiveness of organic photovoltaics for electricity self-consumption at residential buildings: A comparative study of Denmark and Greece under real market conditions" [Appl. Energy 208 (2017) 471–479] (S0306261917314162)(10.1016/j.apenergy.2017.10.003)	2018	Applied Energy	Q1	Erratum	10.1016/j.apenergy.2018.03.019
D. Pliatsios	Realizing 5G vision through Cloud RAN: technologies, challenges, and trends	2018	Eurasip Journal on Wireless Communications and Networking	Q2	Review	10.1186/s13638-018-1142-1
T. Lagkas	UAV IoT framework views and challenges: Towards protecting drones as "things"	2018	Sensors (Switzerland)	Q2	Review	10.3390/s18114015
A. Triantafyllou	Network protocols, schemes, and mechanisms for internet of things (IoT): Features, open challenges, and trends	2018	Wireless Communications and Mobile Computing	Q2	Review	10.1155/2018/5349894
V. Moysiadis	Towards Distributed Data Management in Fog Computing	2018	Wireless Communications and Mobile Computing	Q2	Review	10.1155/2018/7597686

M. Zehir	Impacts of microgrids with renewables on secondary distribution networks	2017	Applied Energy	Q1	Article	10.1016/j.apenergy.2016.12.138
M. Chatzisideris	Cost-competitiveness of organic photovoltaics for electricity self-consumption at residential buildings: A comparative study of Denmark and Greece under real market conditions	2017	Applied Energy	Q1	Article	10.1016/j.apenergy.2017.10.003
C. Salis	Stochastic LOD-FDTD method for two-dimensional electromagnetic uncertainty problems	2017	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-02-2017-0087
A. Papadimopoulos	Rigorous time-domain analysis of statistically oriented graphene sheet fluctuations	2017	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-02-2017-0105
M.G. Tsipouras	A methodology for automated CPA extraction using liver biopsy image analysis and machine learning techniques	2017	Computer Methods and Programs in Biomedicine	Q1	Article	10.1016/j.cmpb.2016.11.012
K. Stergiou	Revisiting restricted path consistency	2017	Constraints	Q2	Article	10.1007/s10601-016-9255-9
P. Gkaidatzis	Load variations impact on optimal DG placement problem concerning energy loss reduction	2017	Electric Power Systems Research	Q1	Article	10.1016/j.epsr.2017.06.016
N. Miridakis	Performance of maximum-ratio combining-enabled heterodyne detection for free-space optical systems under mixture-Gamma fading channels and pointing errors	2017	Electronics Letters	Q2	Article	10.1049/el.2017.1006
A. Bouhouras	Load signature formulation for non-intrusive load monitoring based on current measurements	2017	Energies	Q2	Article	10.3390/en10040538
I. Panapakidis	An improved fuzzy C-means algorithm for the implementation of demand side management measures	2017	Energies	Q2	Article	10.3390/en10091407
M. Yavropoulou	Expression of microRNAs that regulate bone turnover in the serum of postmenopausal women with low bone mass and vertebral fractures	2017	European Journal of Endocrinology	Q1	Article	10.1530/EJE-16-0583
M. Yavropoulou	Insulin Secretion and Resistance in Normoglycemic Patients with Sickle Cell Disease	2017	Hemoglobin	Q4	Article	10.1080/03630269.2017.1295983
P. Sarigiannidis	Modeling the Internet of Things under Attack: A G-network Approach	2017	IEEE Internet of Things Journal	Q1	Article	10.1109/JIOT.2017.2719623
A. Papadimopoulos	A Convolutional PML Scheme for the Efficient Modeling of Graphene Structures Through the ADE-FDTD Technique	2017	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2017.2661812
T. Zygiridis	Improved Unconditionally Stable FDTD Method for 3-D Wave-Propagation Problems	2017	IEEE Transactions on Microwave Theory and Techniques	Q1	Article	10.1109/TMTT.2016.2645218
K.I. Sgouras	Impact of reverse power flow on the optimal distributed generation placement problem	2017	IET Generation, Transmission and Distribution	Q1	Article	10.1049/iet-gtd.2016.1791
P. Sarigiannidis	Hybrid 5G optical-wireless SDN-based networks, challenges and open issues	2017	IET Networks	Q2	Article	10.1049/iet-net.2017.0069

M. Tsiplakidou	Automated detection of liver histopathological findings based on biopsy image processing	2017	Information (Switzerland)	Q3	Article	10.3390/info8010036
P. Sarigiannidis	An adaptive energy-efficient framework for time-constrained optical backbone networks	2017	International Journal of Communication Systems	Q3	Article	10.1002/dac.2972
P. Sarigiannidis	Towards power consumption in optical networks: a cognitive prediction-based technique	2017	International Journal of Communication Systems	Q3	Article	10.1002/dac.2981
P. Gkaidatzis	Impact of penetration schemes to optimal DG placement for loss minimisation	2017	International Journal of Sustainable Energy	Q2	Article	10.1080/14786451.2015.1043913
T. Papadopoulos	USE Efficiency: an innovative educational programme for energy efficiency in buildings	2017	International Journal of Sustainable Energy	Q2	Article	10.1080/14786451.2015.1119833
A. Michalas	An integrated MIH-FPMIPv6 mobility management approach for evolved-packet system architectures	2017	Journal of Network and Computer Applications	Q1	Article	10.1016/j.jnca.2017.02.003
E. Papatheocharous	An investigation of effort distribution among development phases: A four-stage progressive software cost estimation model	2017	Journal of Software: Evolution and Process	Q3	Article	10.1002/smr.1881
M. Paschali	Reusability of open source software across domains: A case study	2017	Journal of Systems and Software	Q1	Article	10.1016/j.jss.2017.09.009
P. Sarigiannidis	DIANA: A Machine Learning Mechanism for Adjusting the TDD Uplink-Downlink Configuration in XG-PON-LTE Systems	2017	Mobile Information Systems	Q3	Article	10.1155/2017/8198017
I. Koumparou	Configuring residential PV net-metering policies – A focus on the Mediterranean region	2017	Renewable Energy	Q1	Article	10.1016/j.renene.2017.06.051
I. Panapakidis	Implementation of modified versions of the K-means algorithm in power load curves profiling	2017	Sustainable Cities and Society	Q1	Article	10.1016/j.scs.2017.08.002
N. Ploskas	Exterior point simplex algorithm	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_10
N. Ploskas	Interior point methods	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_11
N. Ploskas	Sensitivity analysis	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_12
N. Ploskas	Linear programming algorithms	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_2
N. Ploskas	Linear programming benchmark and random problems	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_3
N. Ploskas	Presolve methods	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_4
N. Ploskas	Scaling techniques	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_5
N. Ploskas	Pivoting rules	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_6
N. Ploskas	Basis inverse and update methods	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_7
N. Ploskas	Revised primal simplex algorithm	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_8

N. Ploskas	Revised dual simplex algorithm	2017	Springer Optimization and Its Applications		Chapter	10.1007/978-3-319-65919-0_9
C. Orth	Digital Audio Broadcasting (DAB)-based demand-side management for buildings, virtual power plants and prosumers	2017	2017 10th International Conference on Electrical and Electronics Engineering, ELECO 2017		Conference Paper	
I. Panapakidis	A hybrid ANN/GA/ANFIS model for very short-term PV power forecasting	2017	2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2017		Conference Paper	10.1109/CPE.2017.7915207
A. Nousdilis	The impact of Photovoltaic Self-Consumption Rate on voltage levels in LV distribution grids	2017	2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2017		Conference Paper	10.1109/CPE.2017.7915249
P. Smyrlis	Parallelization and energy evaluation of interframe compression technique for video images - QSDPCM	2017	2017 27th International Symposium on Power and Timing Modeling, Optimization and Simulation, PATMOS 2017		Conference Paper	10.1109/BIA.1998.8106982
A. Bouhouras	Load signatures development via harmonic current vectors	2017	2017 52nd International Universities Power Engineering Conference, UPEC 2017		Conference Paper	10.1109/UPEC.2017.8231902
A.I. Nousdilis	Investigating the impact of decentralized energy storage systems in active low-voltage distribution networks	2017	2017 52nd International Universities Power Engineering Conference, UPEC 2017		Conference Paper	10.1109/UPEC.2017.8231944
A. Bouhouras	Analysis of high penetration of electric vehicles and photovoltaics on a Greek low-voltage network	2017	2017 52nd International Universities Power Engineering Conference, UPEC 2017		Conference Paper	10.1109/UPEC.2017.8231987
I. Petrousov	Realization of a hardware generator for the sum of absolute difference component	2017	2017 6th International Conference on Modern Circuits and Systems Technologies, MOCAST 2017		Conference Paper	10.1109/MOCAST.2017.7937612
P. Radoglou-Gramma	Flow anomaly based intrusion detection system for Android mobile devices	2017	2017 6th International Conference on Modern Circuits and Systems Technologies, MOCAST 2017		Conference Paper	10.1109/MOCAST.2017.7937625
A.G. Pelekanidis	Circular and square SRR exploitation as a means for wireless power transfer	2017	2017 6th International Conference on Modern Circuits and Systems Technologies, MOCAST 2017		Conference Paper	10.1109/MOCAST.2017.7937646
C. Salis	A stochastic FDTD approach for assessing random media uncertainties in polar coordinates	2017	2017 6th International Conference on Modern Circuits and Systems Technologies, MOCAST 2017		Conference Paper	10.1109/MOCAST.2017.7937648
E. Magganopoulou	Performance improvement of various antennas using inclusions of split-ring resonators	2017	2017 6th International Conference on Modern Circuits and Systems Technologies, MOCAST 2017		Conference Paper	10.1109/MOCAST.2017.7937681

T. Makryniotis	Implementation of a motion estimation hardware accelerator on Zynq SoC	2017	2017 6th International Conference on Modern Circuits and Systems Technologies, MOCAST 2017		Conference Paper	10.1109/MOCAST.2017.7937691
M.A. Zehir	Mitigation of negative impacts of distributed generation on LV distribution networks through microgrid management systems	2017	2017 IEEE Manchester PowerTech, Powertech 2017		Conference Paper	10.1109/PTC.2017.7981113
S. Amanatiadis	Graphene sheet modeling with an efficient unconditionally-stable hybrid approach	2017	2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications, NEMO 2017		Conference Paper	10.1109/NEMO.2017.7964228
A. Papadopoulos	Efficient uncertainty analysis of waveguide-mode resonant optical filters	2017	2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications, NEMO 2017		Conference Paper	10.1109/NEMO.2017.7964230
A. Tzallas	Classification of EEG signals using feature creation produced by grammatical evolution	2017	24th Telecommunications Forum, TELFOR 2016		Conference Paper	10.1109/TELFOR.2016.7818809
I. Tsoulos	NeuralGenesis: A software for distributed neural network training	2017	24th Telecommunications Forum, TELFOR 2016		Conference Paper	10.1109/TELFOR.2016.7818912
G. Angelopoulos	An Internet of Things humanoid robot teleoperated by an open source Android application	2017	4th Panhellenic Conference on Electronics and Telecommunications, PACET 2017		Conference Paper	10.1109/PACET.2017.8259978
I.M. Tabakis	A monitoring system for people living with Alzheimer's disease	2017	4th Panhellenic Conference on Electronics and Telecommunications, PACET 2017		Conference Paper	10.1109/PACET.2017.8259985
A. Avdullahi	QoS supportive MAC Protocols for WSNs: Review and Evaluation	2017	ACM International Conference Proceeding Series		Conference Paper	10.1145/3136273.3136282
M. Dasygenis	Template matching of a coarse grain reconfigurable architecture datapath using constraint programming	2017	ACM International Conference Proceeding Series		Conference Paper	10.1145/3139367.3139420
I. Petrousov	Automating the generation of hardware accelerators from custom arithmetic functions	2017	ACM International Conference Proceeding Series		Conference Paper	10.1145/3139367.3139421
P. Sarigiannidis	Direct and indirect access in machine type communications: An analytical approach invited paper	2017	BodyNets International Conference on Body Area Networks		Conference Paper	10.4108/eai.15-12-2016.2267736
K. Liakos	Machine learning based computational analysis method for cattle lameness prediction	2017	CEUR Workshop Proceedings		Conference Paper	

A. Bouhouras	Optimal application order of network reconfiguration and ODGP for loss reduction in distribution networks	2017	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, EEEIC / I and CPS Europe 2017		Conference Paper	10.1109/EEEIC.2017.7977443
P.A. Gkaidatzis	Comparative analysis of heuristic techniques applied to ODGP	2017	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, EEEIC / I and CPS Europe 2017		Conference Paper	10.1109/EEEIC.2017.7977444
V. Katsanou	Measurement based methodology for the extraction of lighting user preferences in working environments	2017	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, EEEIC / I and CPS Europe 2017		Conference Paper	10.1109/EEEIC.2017.7977599
I. Panapakidis	A novel demand side management strategy implementation utilizing real-time pricing schemes	2017	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, EEEIC / I and CPS Europe 2017		Conference Paper	10.1109/EEEIC.2017.7977758
I. Panapakidis	Combining wavelet transform and support vector regression model for day-ahead peak load forecasting in the Greek power system	2017	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, EEEIC / I and CPS Europe 2017		Conference Paper	10.1109/EEEIC.2017.7977759
A. Papadimopoulos	A convolutional PML scheme for the efficient modeling of graphene structures through the ADE-FDTD technique	2017	IEEE CEFC 2016 - 17th Biennial Conference on Electromagnetic Field Computation		Conference Paper	10.1109/CEFC.2016.7816349
T. Zygiridis	Polynomial-chaos time-domain method for uncertainty analysis of axially-symmetric structures	2017	IEEE CEFC 2016 - 17th Biennial Conference on Electromagnetic Field Computation		Conference Paper	10.1109/CEFC.2016.7816373
P. Sarigiannidis	Connectivity and coverage in machine-type communications	2017	IEEE International Conference on Communications		Conference Paper	10.1109/ICC.2017.7996897

A. Paparrizou	On neighborhood singleton consistencies	2017	IJCAI International Joint Conference on Artificial Intelligence		Conference Paper	10.24963/ijcai.2017/102
N. Ploskas	Implementation of an extended fuzzy VIKOR method based on triangular and trapezoidal fuzzy linguistic variables and alternative deffuzification techniques	2017	Lecture Notes in Business Information Processing		Conference Paper	10.1007/978-3-319-57487-5_12
G. Tsaples	Integrating system dynamics with exploratory MCDA for robust decision-making	2017	Lecture Notes in Business Information Processing		Conference Paper	10.1007/978-3-319-57487-5_13
N. Taousanidis	Investigation of pressure retarded osmosis power production	2017	MATEC Web of Conferences		Conference Paper	10.1051/matecconf/201711210004
M. Dasygenis	An Online Tool to Design Highly Parametrized Optimized Encoders and Decoders	2017	Proceedings - 19th IEEE International Conference on Computational Science and Engineering, 14th IEEE International Conference on Embedded and Ubiquitous Computing and 15th International Symposium on Distributed Computing and Applications to Business, Engineering and Science, CSE-EUC-DCABES 2016		Conference Paper	10.1109/CSE-EUC-DCABES.2016.174
J. Christoforidis	An Efficient Scalable Parallelized Version of the Mondrian Algorithm	2017	Proceedings - 19th IEEE International Conference on Computational Science and Engineering, 14th IEEE International Conference on Embedded and Ubiquitous Computing and 15th International Symposium on Distributed Computing and Applications to Business, Engineering and Science, CSE-EUC-DCABES 2016		Conference Paper	10.1109/CSE-EUC-DCABES.2016.176
M. Tsourma	Development of a Hybrid Defensive Embedded System with Face Recognition	2017	Proceedings - 19th IEEE International Conference on Computational Science and Engineering, 14th IEEE International Conference on Embedded and Ubiquitous Computing and 15th International Symposium on Distributed Computing and Applications to Business, Engineering and Science, CSE-EUC-DCABES 2016		Conference Paper	10.1109/CSE-EUC-DCABES.2016.177
A.N. Ntagiou	Protein structure recognition by means of sequential pattern mining	2017	Proceedings - 2017 IEEE 17th International Conference on Bioinformatics and Bioengineering, BIBE 2017		Conference Paper	10.1109/BIBE.2017.00-32

N. Giannakeas	Image enhancement of routine biopsies: A case for liver tissue detection	2017	Proceedings - 2017 IEEE 17th International Conference on Bioinformatics and Bioengineering, BIBE 2017		Conference Paper	10.1109/BIBE.2017.00-49
M.G. Tsipouras	Rule editor for ARDEN syntax generation towards a more effective self-management of asthma disease patients	2017	Proceedings - 2017 IEEE 17th International Conference on Bioinformatics and Bioengineering, BIBE 2017		Conference Paper	10.1109/BIBE.2017.000-1
I. Panapakidis	Implementation of a modified version of the K-means algorithm in power load curves profiling	2017	Proceedings - 2017 International Conference on Modern Power Systems, MPS 2017		Conference Paper	10.1109/MPS.2017.7974453
G. Christoforidis	Locational performance analysis of distributed photovoltaic systems	2017	Proceedings - 2017 International Conference on Modern Power Systems, MPS 2017		Conference Paper	10.1109/MPS.2017.7974454
K. Tzimourta	Wavelet Based Classification of Epileptic Seizures in EEG Signals	2017	Proceedings - IEEE Symposium on Computer-Based Medical Systems		Conference Paper	10.1109/CBMS.2017.116
A. Tzallas	EEG Classification and Short-Term Epilepsy Prognosis Using Brain Computer Interface Software	2017	Proceedings - IEEE Symposium on Computer-Based Medical Systems		Conference Paper	10.1109/CBMS.2017.97
N. Giannakeas	Measuring Steatosis in Liver Biopsies Using Machine Learning and Morphological Imaging	2017	Proceedings - IEEE Symposium on Computer-Based Medical Systems		Conference Paper	10.1109/CBMS.2017.98
D.C. Tsouros	Automated Collagen Proportional Area Extraction in Liver Biopsy Images Using a Novel Classification via Clustering Algorithm	2017	Proceedings - IEEE Symposium on Computer-Based Medical Systems		Conference Paper	10.1109/CBMS.2017.99
E. Skondras	A Vertical Handover management scheme for VANET Cloud Computing systems	2017	Proceedings - IEEE Symposium on Computers and Communications		Conference Paper	10.1109/ISCC.2017.8024558
I. Skordas	E-Sem: Dynamic seminar management system for primary, secondary and tertiary education	2017	South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNSM 2017		Conference Paper	10.23919/SEEDA-CECNSM.2017.8088228
G. Gkionis	An effective spectrum handoff scheme for Cognitive Radio Ad hoc Networks	2017	Wireless Telecommunications Symposium		Conference Paper	10.1109/WTS.2017.7943552
P. Sarigiannidis	Editorial for the special issue on Energy-efficient Networking	2017	International Journal of Communication Systems	Q3	Editorial	10.1002/dac.3311
N. Ploskas	Introduction	2017	Springer Optimization and Its Applications		Editorial	10.1007/978-3-319-65919-0_1
N. Mantas	Towards an incentive-compatible, reputationbased framework for stimulating cooperation in opportunistic networks: A survey	2017	IET Networks	Q2	Review	10.1049/iet-net.2017.0079
T. Zygiridis	A Short Review of FDTD-Based Methods for Uncertainty Quantification in Computational Electromagnetics	2017	Mathematical Problems in Engineering	Q3	Review	10.1155/2017/9247978

G. Fragulis	Working through multiple funding sources and compressed schedules	2017	Military Engineer	Q4	Short Survey	
G. Vasileiou	An effective resource allocation medium access control protocol for radio-over-fiber access networks based on wavelength reuse	2016	Computer Communications	Q1	Article	10.1016/j.comcom.2016.05.001
I. Tsoulos	PDoublePop: An implementation of parallel genetic algorithm for function optimization	2016	Computer Physics Communications	Q1	Article	10.1016/j.cpc.2016.09.006
A. Paparrizou	Strong local consistency algorithms for table constraints	2016	Constraints	Q2	Article	10.1007/s10601-014-9179-1
A. Beketova	Inducing bioactivity of dental ceramic/bioactive glass composites by Nd:YAG laser	2016	Dental Materials	Q1	Article	10.1016/j.dental.2016.09.029
A. Sfikas	A statistical approach for identification of potential pollution incidents due to lignite mining activity in a surface water stream	2016	Desalination and Water Treatment	Q3	Article	10.1080/19443994.2015.1100559
D. Stimoniaris	Demand-side management by integrating bus communication technologies into smart grids	2016	Electric Power Systems Research	Q1	Article	10.1016/j.epsr.2016.02.026
G. Christoforidis	A model for the assessment of different Net-Metering policies	2016	Energies	Q2	Article	10.3390/en9040262
D.J. Vergados	FDASH: A fuzzy-based MPEG/DASH adaptation algorithm	2016	IEEE Systems Journal	Q1	Article	10.1109/JSYST.2015.2478879
D. Stimoniaris	Improved energy storage management and PV-Active power control infrastructure and strategies for microgrids	2016	IEEE Transactions on Power Systems	Q1	Article	10.1109/TPWRS.2015.2389954
P. Sarigiannidis	Analysing the optical network unit power consumption in the 10 GB-capable passive optical network systems	2016	IET Networks	Q2	Article	10.1049/iet-net.2015.0087
E. Skondras	An analytic network process and trapezoidal interval-valued fuzzy technique for order preference by similarity to ideal solution network access selection method	2016	International Journal of Communication Systems	Q3	Article	10.1002/dac.2833
A. Bouhouras	Optimal active and reactive nodal power requirements towards loss minimization under reverse power flow constraint defining DG type	2016	International Journal of Electrical Power and Energy Systems	Q1	Article	10.1016/j.ijepes.2015.12.014
S. Kontogiannis	Design and implementation of an identification productivity recording and breeding system for the sheep industry	2016	International Journal of Sustainable Agricultural Management and Informatics	Q3	Article	10.1504/IJSAMI.2016.081983
M. Dasygenis	Online generation of constant mulitplication accelerators	2016	Journal of Engineering Science and Technology Review	Q3	Article	10.25103/jestr.095.27
E. Polychroniadou	Validation of the Brief International Cognitive Assessment for Multiple Sclerosis (BICAMS) in Greek population with multiple sclerosis	2016	Multiple Sclerosis and Related Disorders	Q2	Article	10.1016/j.msard.2016.06.011
N. Miridakis	Cooperative spectrum sharing MIMO systems with successive decoding	2016	Physical Communication	Q2	Article	10.1016/j.phycom.2016.01.002
D. Besnea	Rapid prototyping technologies applied for prosthesis tests	2016	Romanian Review Precision Mechanics, Optics and Mechatronics	Q4	Article	

S. Ganatsios	Sustainability of waste material reutilization into novel glass ceramics: A life cycle analysis	2016	Romanian Review Precision Mechanics, Optics and Mechatronics	Q4	Article	
N. Giannakeas	A generalized methodology for the gridding of microarray images with rectangular or hexagonal grid	2016	Signal, Image and Video Processing	Q2	Article	10.1007/s11760-015-0800-6
T. Svatoň	Impact of the hysteresis description model on the numerical simulation results for yoke-oriented inspection configurations	2016	Studies in Applied Electromagnetics and Mechanics	Q4	Article	10.3233/978-1-61499-639-2-118
N. Ploskas	GPU Programming in MATLAB	2016	GPU Programming in MATLAB		Book	
N. Miridakis	Cooperative relaying in underlay cognitive systems with TAS/MRC, spatial correlation and hardware impairments	2016	2015 IEEE 82nd Vehicular Technology Conference, VTC Fall 2015 - Proceedings		Conference Paper	10.1109/VTCFall.2015.7390879
P. Sarigiannidis	A metaheuristic bandwidth allocation scheme for FiWi networks using Ant Colony Optimization	2016	2015 IEEE Symposium on Communications and Vehicular Technology in the Benelux, SCVT 2015		Conference Paper	10.1109/SCVT.2015.7374242
T. Zygiridis	Construction of 3D FDTD schemes with frequency-dependent operator coefficients	2016	2016 10th European Conference on Antennas and Propagation, EuCAP 2016		Conference Paper	10.1109/EuCAP.2016.7481734
S. Amanatiadis	Transmitted and reflected graphene surface waves due to substrate discontinuities	2016	2016 10th European Conference on Antennas and Propagation, EuCAP 2016		Conference Paper	10.1109/EuCAP.2016.7481955
T.D. Lagkas	The effect of group mobility on the efficacy of routing in next generation mobile networks	2016	2016 23rd International Conference on Telecommunications, ICT 2016		Conference Paper	10.1109/ICT.2016.7500424
C. Vafeiadou	Online automatic examination system for digital circuits	2016	2016 5th International Conference on Modern Circuits and Systems Technologies, MOCAST 2016		Conference Paper	10.1109/MOCAST.2016.7495142
M. Goula-Dimitriou	Teddy bear upgraded with an embedded system to react on feelings	2016	2016 5th International Conference on Modern Circuits and Systems Technologies, MOCAST 2016		Conference Paper	10.1109/MOCAST.2016.7495146
C. Salis	Unconditionally-stable time-domain approach for uncertainty assessment in transmission lines	2016	2016 5th International Conference on Modern Circuits and Systems Technologies, MOCAST 2016		Conference Paper	10.1109/MOCAST.2016.7495151
A. Papadimopoulos	Statistical analysis of microwave components through a 3-D stochastic-FDTD technique	2016	2016 5th International Conference on Modern Circuits and Systems Technologies, MOCAST 2016		Conference Paper	10.1109/MOCAST.2016.7495163
P. Sarigiannidis	DAMA: A data mining forecasting DBA scheme for XG-PONs	2016	2016 5th International Conference on Modern Circuits and Systems Technologies, MOCAST 2016		Conference Paper	10.1109/MOCAST.2016.7495169

N. Tsitsiroudi	EyeSim: A mobile application for visual-Assisted wormhole attack detection in IoT-enabled WSNs	2016	2016 9th IFIP Wireless and Mobile Networking Conference, WMNC 2016		Conference Paper	10.1109/WMNC.2016.7543976
M. Dasygenis	Using parallelization to efficiently exploit the pruning power of strong local consistencies	2016	ACM International Conference Proceeding Series		Conference Paper	10.1145/2903220.2903228
L. Lazaridis	S.A.T.E.P. : Synchronous-Asynchronous Tele-Education Platform	2016	ACM International Conference Proceeding Series		Conference Paper	10.1145/2984393.2984395
T. Makryniotis	Rapid implementation of embedded systems using Xilinx Zynq platform	2016	ACM International Conference Proceeding Series		Conference Paper	10.1145/2984393.2984404
O. Gounalakis	Leveraging parallelization opportunities by an online CAD tool	2016	ACM International Conference Proceeding Series		Conference Paper	10.1145/2984393.2984405
A. Bimpiris	Methods for peak to average power ratio reduction on SCFDMA	2016	ACM International Conference Proceeding Series		Conference Paper	10.1145/2984393.2984412
A. Michalas	Numerical integration of Maxwell equations with symplectic integrators	2016	AIP Conference Proceedings		Conference Paper	10.1063/1.4952366
A. Bouhouras	Load signatures enhancement via odd-order harmonic currents	2016	EEEIC 2016 - International Conference on Environment and Electrical Engineering		Conference Paper	10.1109/EEEIC.2016.7555497
G. Christoforidis	Meeting of energy skills: An educational framework for energy professionals in NZEB	2016	EEEIC 2016 - International Conference on Environment and Electrical Engineering		Conference Paper	10.1109/EEEIC.2016.7555586
M. Zehir	Development of a field data-based virtual test bed for microgrid integration of building automation technologies	2016	ELECO 2015 - 9th International Conference on Electrical and Electronics Engineering		Conference Paper	10.1109/ELECO.2015.7394467
S. Assimonis	High efficiency and triple-band metamaterial electromagnetic energy hervester	2016	ELECO 2015 - 9th International Conference on Electrical and Electronics Engineering		Conference Paper	10.1109/ELECO.2015.7394527
D. Stimoniaris	Cooperation scheme between KNX and a microgrid control system for enhanced demand-side management	2016	ELECO 2015 - 9th International Conference on Electrical and Electronics Engineering		Conference Paper	10.1109/ELECO.2015.7394604
M. Zehir	Impact of Renewable Based Microgrid Supply/Demand Profiles on Low Voltage Distribution Networks	2016	Energy Procedia		Conference Paper	10.1016/j.egypro.2016.11.278
P. Sarigiannidis	Analysing indirect Sybil attacks in randomly deployed Wireless Sensor Networks	2016	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC		Conference Paper	10.1109/PIMRC.2016.7794866
T. Zygiridis	Efficient Integration of High-Order Stencils into the ADI-FDTD Method	2016	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2015.2475318
N. Kantartzis	A Generalized Domain-Decomposition Stochastic FDTD Technique for Complex Nanomaterial and Graphene Structures	2016	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2015.2477280
D.I. Doukas	On reverse power flow modelling in distribution grids	2016	IET Conference Publications		Conference Paper	10.1049/cp.2016.1054
P.A. Gkaidatzis	Optimal distributed generation placement problem for renewable and DG units: An innovative approach	2016	IET Conference Publications		Conference Paper	10.1049/cp.2016.1055

S. Bibi	A Bayesian Belief Network for modeling open source software maintenance productivity	2016	IFIP Advances in Information and Communication Technology		Conference Paper	10.1007/978-3-319-39225-7_3
E. Skondras	A downlink scheduler supporting real time services in LTE cellular networks	2016	IISA 2015 - 6th International Conference on Information, Intelligence, Systems and Applications		Conference Paper	10.1109/IISA.2015.7388047
E. Skondras	QoS-aware scheduling in LTE-A networks with SDN control	2016	IISA 2016 - 7th International Conference on Information, Intelligence, Systems and Applications		Conference Paper	10.1109/IISA.2016.7785367
M. Louta	Mobile crowd sensing architectural frameworks: A comprehensive survey	2016	IISA 2016 - 7th International Conference on Information, Intelligence, Systems and Applications		Conference Paper	10.1109/IISA.2016.7785385
C. Tsotskas	Investigating the application of multi-objective optimisation and multi-criteria decision making to future concepts of intelligent mobility and telecommunications	2016	IISA 2016 - 7th International Conference on Information, Intelligence, Systems and Applications		Conference Paper	10.1109/IISA.2016.7785390
G. Karetsos	An overview of self-organization aspects in femtocell deployments	2016	IISA 2016 - 7th International Conference on Information, Intelligence, Systems and Applications		Conference Paper	10.1109/IISA.2016.7785391
A. Bouhouras	Energy loss reduction in Distribution Networks via ODGP	2016	International Conference on the European Energy Market, EEM		Conference Paper	10.1109/EEM.2016.7521181
P. Gkaidatzis	Application and evaluation of UPSO to ODGP in radial Distribution Networks	2016	International Conference on the European Energy Market, EEM		Conference Paper	10.1109/EEM.2016.7521223
T. Zygiridis	Development of optimized operators based on spherical-harmonic expansions for 3D FDTD schemes	2016	International Journal of Applied Electromagnetics and Mechanics		Conference Paper	10.3233/JAE-2010
D. Ghiculescu	The Influence of Machined Surface Microgeometry on Mechanical Hydraulic Removal Mechanism at Ultrasonically Aided EDM Finishing	2016	IOP Conference Series: Materials Science and Engineering		Conference Paper	10.1088/1757-899X/161/1/012013
M. Zehir	Analysis of critical operating conditions for LV distribution networks with microgrids	2016	IOP Conference Series: Materials Science and Engineering		Conference Paper	10.1088/1757-899X/161/1/012078
V. Zacharaki	Optimal route scheduling-driven study of a photovoltaic charging-station (parking lot) for electric mini-buses	2016	IOP Conference Series: Materials Science and Engineering		Conference Paper	10.1088/1757-899X/161/1/012080
N. Chatzistougianni	Biomass district heating methodology and pilot installations for public buildings groups	2016	IOP Conference Series: Materials Science and Engineering		Conference Paper	10.1088/1757-899X/161/1/012083
N. Taousanidis	An analysis of photovoltaic irrigation system for olive orchards in Greece	2016	IOP Conference Series: Materials Science and Engineering		Conference Paper	10.1088/1757-899X/161/1/012095
S. Gkanatsios	Measurements of electric and magnetic fields, in heavy vehicles parking space, in the vicinity of a power station with 150kv to 20kv transformers	2016	IOP Conference Series: Materials Science and Engineering		Conference Paper	10.1088/1757-899X/161/1/012096

J. Papathanasiou	A decision support system for multiple criteria alternative ranking using TOPSIS and VIKOR: A case study on social sustainability in agriculture	2016	Lecture Notes in Business Information Processing		Conference Paper	10.1007/978-3-319-32877-5_1
M. Paschali	A case study on the availability of open-source components for game development	2016	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-319-35122-3_11
M. Tsiplakidou	Automated hepatic steatosis assessment through liver biopsy image processing	2016	Proceedings - CBI 2016: 18th IEEE Conference on Business Informatics		Conference Paper	10.1109/CBI.2016.51
T. Mavroeidakos	Security architecture based on defense in depth for Cloud Computing environment	2016	Proceedings - IEEE INFOCOM		Conference Paper	10.1109/INFCOMW.2016.7562097
P. Sarigiannidis	Foreword	2016	ICETE 2016 - Proceedings of the 13th International Joint Conference on e-Business and Telecommunications		Editorial	
P. Angelidis	The hackathon model to spur innovation around global mHealth	2016	Journal of Medical Engineering and Technology	Q3	Review	10.1080/03091902.2016.1213903
N. Miridakis	Cooperative relaying in underlay cognitive systems with hardware impairments	2015	AEU - International Journal of Electronics and Communications	Q2	Article	10.1016/j.aeue.2015.08.015
N. Ploskas	Efficient GPU-based implementations of simplex type algorithms	2015	Applied Mathematics and Computation	Q1	Article	10.1016/j.amc.2014.10.096
T. Zygiridis	Accelerated unconditionally stable FDTD scheme with modified operators	2015	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-02-2015-0085
G. Pyrialakos	A curvilinear stochastic-FDTD algorithm for 3-D EMC problems with media uncertainties	2015	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Q3	Article	10.1108/COMPEL-02-2015-0086
P. Sarigiannidis	Detecting Sybil attacks in wireless sensor networks using UWB ranging-based information	2015	Expert Systems with Applications	Q1	Article	10.1016/j.eswa.2015.05.057
A. Panagiotakis	Performance Increase for Highly-Loaded RoF Access Networks	2015	IEEE Communications Letters	Q1	Article	10.1109/LCOMM.2015.2456911
A. Sarigiannidis	On the use of learning automata in tuning the channel split ratio of WiMAX networks	2015	IEEE Systems Journal	Q1	Article	10.1109/JSYST.2013.2282032
S. Kraounakis	A Robust Reputation-Based Computational Model for Trust Establishment in Pervasive Systems	2015	IEEE Systems Journal	Q1	Article	10.1109/JSYST.2014.2345912
S. Mavridopoulos	Broadcast Levels: Efficient and Lightweight Schedule Construction for Push-Based Data Broadcasting Systems	2015	IEEE Transactions on Broadcasting	Q1	Article	10.1109/TBC.2015.2444334
G. Pyrialakos	GPU-Based Calculation of Lightning-Generated Electromagnetic Fields in 3-D Problems With Statistically Defined Uncertainties	2015	IEEE Transactions on Electromagnetic Compatibility	Q1	Article	10.1109/TEMC.2015.2450496

N. Kantartzis	A 3-D stochastic FVTD method based on reduced-order modeling for statistically random media in nano-electromagnetic applications	2015	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2014.2356411
T. Zygiridis	Parallel LOD-FDTD method with error-balancing properties	2015	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2014.2360961
L. Barbato	Solution and Extension of a New Benchmark Problem for Eddy-Current Nondestructive Testing	2015	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2015.2406765
N. Miridakis	Dual-Hop Communication over a Satellite Relay and Shadowed Rician Channels	2015	IEEE Transactions on Vehicular Technology	Q1	Article	10.1109/TVT.2014.2361832
N. Miridakis	Performance Analysis of Successive Decoding Based on Shadowing Side Information under Non-Identical Composite Fading/Shadowing Channels	2015	IEEE Transactions on Wireless Communications	Q1	Article	10.1109/TWC.2015.2427170
A. Bouhouras	Multi-objective planning tool for the installation of renewable energy resources	2015	IET Generation, Transmission and Distribution	Q1	Article	10.1049/iet-gtd.2014.1054
N. Ploskas	A computational comparison of scaling techniques for linear optimization problems on a graphical processing unit	2015	International Journal of Computer Mathematics	Q2	Article	10.1080/00207160.2014.890716
N. Ploskas	An interactive spatial decision support system enabling co-located collaboration using tangible user interfaces for the multiple capacitated facility location problem	2015	International Journal of Decision Support System Technology	Q4	Article	10.4018/IJDSST.2015040102
L. Fresiello	A cardiovascular simulator tailored for training and clinical uses	2015	Journal of Biomedical Informatics	Q1	Article	10.1016/j.jbi.2015.07.004
N. Ploskas	Assessing Computer Network Efficiency Using Data Envelopment Analysis and Multicriteria Decision Analysis Techniques	2015	Journal of Multi-Criteria Decision Analysis	Q2	Article	10.1002/mcda.1533
N. Ploskas	A tangible collaborative decision support system for various variants of the vehicle routing problem	2015	Lecture Notes in Business Information Processing	Q3	Article	10.1007/978-3-319-18533-0_7
P. Virtič	Project PV-NET: Promotion of photovoltaic energy through net metering optimization	2015	Przeglad Elektrotechniczny	Q3	Article	10.15199/48.2015.01.48
S. Ganatsios	Novel bulk and porous glass ceramics produced by waste materials	2015	Romanian Review Precision Mechanics, Optics and Mechatronics	Q4	Article	
I. Ventoulis	NGAL and ST2 levels in ambulatory patients with chronic heart failure. Clinical and echocardiographic correlates	2015	Scandinavian Cardiovascular Journal	Q3	Article	10.3109/14017431.2015.1043141
S. Ravanidis	Subcutaneous transplantation of neural precursor cells in experimental autoimmune encephalomyelitis reduces chemotactic signals in the central nervous system	2015	Stem Cells Translational Medicine	Q1	Article	10.5966/sctm.2015-0068
E. Karapistoli	Visual-assisted wormhole attack detection for wireless sensor networks	2015	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST		Chapter	10.1007/978-3-319-23829-6_17

S. Bibi	Cloud computing economics	2015	Web-Based Services: Concepts, Methodologies, Tools, and Applications		Chapter	10.4018/978-1-4666-9466-8.ch005
A. Papadimopoulos	Statistical modeling of antennas via a generalized stochastic-FDTD method	2015	2015 9th European Conference on Antennas and Propagation, EuCAP 2015		Conference Paper	
G. Christoforidis	Investigating net-metering variant policies: The case of Greece	2015	2015 IEEE 15th International Conference on Environment and Electrical Engineering, EEEIC 2015 - Conference Proceedings		Conference Paper	10.1109/EEEIC.2015.7165486
I. Panapakidis	Hybrid computational intelligence model for Short-Term bus load forecasting	2015	2015 IEEE 15th International Conference on Environment and Electrical Engineering, EEEIC 2015 - Conference Proceedings		Conference Paper	10.1109/EEEIC.2015.7165487
T. Kottas	New operation scheme and control of Smart Grids using Fuzzy Cognitive Networks	2015	2015 IEEE Eindhoven PowerTech, PowerTech 2015		Conference Paper	10.1109/PTC.2015.7232563
P. Sarigiannidis	VisIoT: A threat visualisation tool for IoT systems security	2015	2015 IEEE International Conference on Communication Workshop, ICCW 2015		Conference Paper	10.1109/ICCW.2015.7247576
P. Sarigiannidis	Alleviating the high propagation delays in FiWi networks: A prediction-based DBA scheme for 10G-EPON-WiMAX systems	2015	2015 International Workshop on Fiber Optics in Access Network, FOAN 2015		Conference Paper	10.1109/FOAN.2015.7320478
I. Petrousov	A CAD tool for custom magnitude comparators	2015	ACM International Conference Proceeding Series		Conference Paper	10.1145/2801948.2801967
R. Miorelli	Semi-analytical solution to the 2014 eddy current benchmark problem	2015	AIP Conference Proceedings		Conference Paper	10.1063/1.4914808
D. Godas	A sensor based management and monitoring system for the identification of lambs focusing on milk productivity upturns	2015	CEUR Workshop Proceedings		Conference Paper	
P. Sarigiannidis	ARES: An adaptive, resilient, estimation scheme for enforcing bandwidth allocation in XG-PON systems	2015	Communications in Computer and Information Science		Conference Paper	10.1007/978-3-319-25915-4_8
I. Kakalou	A Reinforcement learning-based cognitive MAC protocol	2015	IEEE International Conference on Communications		Conference Paper	10.1109/ICC.2015.7249216
T.D. Lagkas	The impact of mobility patterns on the efficiency of data forwarding in MANETs	2015	IEEE International Conference on Communications		Conference Paper	10.1109/ICC.2015.7249284
D. Tsiamitros	Advanced energy storage and demand-side management in smart grids using buildings energy efficiency technologies	2015	IEEE PES Innovative Smart Grid Technologies Conference Europe		Conference Paper	10.1109/ISGTEurope.2014.7028841
N. Ploskas	A collaborative spatial decision support system for the capacitated vehicle routing problem on a tabletop display	2015	Lecture Notes in Business Information Processing		Conference Paper	10.1007/978-3-319-21536-5_3
K. Stergiou	Restricted path consistency revisited	2015	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-319-23219-5_30

P. Sarigiannidis	Time synchronization in XG-PON systems: An error analysis	2015	OPTICS 2015 - 6th International Conference on Optical Communication Systems, Proceedings; Part of 12th International Joint Conference on e-Business and Telecommunications, ICETE 2015		Conference Paper	10.5220/0005577600140021
M. Dasygenis	A generic moduli selection algorithm for the Residue Number System	2015	Proceedings - 2015 10th IEEE International Conference on Design and Technology of Integrated Systems in Nanoscale Era, DTIS 2015		Conference Paper	10.1109/DTIS.2015.7127344
M. Dasygenis	A networking EDA tool for multi-vector multiplication IP circuits	2015	Proceedings - 2015 10th IEEE International Conference on Design and Technology of Integrated Systems in Nanoscale Era, DTIS 2015		Conference Paper	10.1109/DTIS.2015.7127365
N. Giannakeas	A clustering based method for collagen proportional area extraction in liver biopsy images	2015	Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS		Conference Paper	10.1109/EMBC.2015.7319047
C. Bessiere	Strong bounds consistencies and their application to linear constraints	2015	Proceedings of the National Conference on Artificial Intelligence		Conference Paper	
G. Pyrialakos	GPU-accelerated stochastic-FDTD study of lightning-induced EM fields over non-deterministic terrains	2015	Progress in Electromagnetics Research Symposium		Conference Paper	
T. Zygiridis	Development of ADI-FDTD methods with dispersion-relation-preserving features	2015	Progress in Electromagnetics Research Symposium		Conference Paper	
M. Obaidat	Foreword	2015	DCNET 2013 - Proceedings of the 4th International Conference on Data Communication Networking		Editorial	
M. Obaidat	Foreword	2015	OPTICS 2013 - Proceedings of the 4th International Conference on Optical Communication Systems		Editorial	
M. Obaidat	Foreword	2015	OPTICS 2015 - 6th International Conference on Optical Communication Systems, Proceedings; Part of 12th International Joint Conference on e-Business and Telecommunications, ICETE 2015		Editorial	
A.G. Sarigiannidis	Architectures and Bandwidth Allocation Schemes for Hybrid Wireless-Optical Networks	2015	IEEE Communications Surveys and Tutorials	Q1	Review	10.1109/COMST.2014.2356640