

**C1.1. Lucrari indexate ISI Web of Knowledge - 2020**

Nr.	Numele autorului/ autorilor	Titlul lucrării	Denumirea și tipul conferinței	ISBN/ ISSN	Anul publicării	Paginile
1	Dosoftei, C.C., Cojocaru A.E.,	Implementation of a Virtual Control Lab to Support Teaching in Engineering Control	11th International Conference on Electrical and Power Engineering (EPE 2020)		2020	
2	Dosoftei, C.C., Horga V., Doroftei I., Popovici A.T., Custura S.*,	Simplified Mecanum Wheel Modelling using a Reduced Omni Wheel Model for Dynamic Simulation of an Omnidirectional Mobile Robot	11th International Conference on Electrical and Power Engineering (EPE 2020)		2020	
3	Lucache D.D., Gabor G., Dosoftei, C.C.	Integrated Learning in Electrical and Control Engineering Using an Educational Elevator System	11th International Conference on Electrical and Power Engineering (EPE 2020)		2020	
4	Petrescu Camelia, Lavinia Ferariu	Mode Analysis In Planar Dielectric-Conductor Waveguides Using Genetic Algorithms	11th International Conference on Electrical and Power Engineering (EPE 2020)		2020	
5	Garbaruk Julia, Doina Logofatu, Costin Badica, Florin Leon	Study on Digital Image Evolution of Artwork by Using Bio-Inspired Approaches	12th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2020)	978-3-030-41963-9	2020	261-270
6	Pal Constantin-Valentin, Florin Leon	A Modified I2A Agent for Learning in a Stochastic Environment	12th International Conference on Computational Collective Intelligence (ICCCI 2020)	978-3-030-63006-5	2020	388-399
7	Hulea M., X. Tang	Mitigation Method for the Solar Irradiation Effect in Visible Light Communications	12th International Symposium on Communication Systems, Networks and Digital Signal Processing (CSNDSP)	978-172816743-5	2020	1-5
8	MahuleaCristian, Marius Kloetzer, Jean-Jacques Lesage	Multi-robot Path Planning with Boolean Specifications and Collision Avoidance	15th IFAC Workshop on Discrete Event Systems (WODES), 11-13.11.2020, online (Rio de Janeiro, Brazil)		2020	8 pag.
9	Cimpanu Corina, Robert-Gabriel Lupu, Florina Ungureanu, Tiberius Dumitriu	Virtual Learning Environments for Never-Ending Learning: A Survey	16th eLearning and Software for Education Conference - ELSE 2020	2066 - 026X	2020	69-75
10	Ungureanu Florina, Corina Cimpanu, Tiberius Dumitriu	The Impact of Learning through Cognitive Load Assessment and Emotional State Evaluation	16th eLearning and Software for Education Conference - ELSE 2020	ISSN: 2066 - 026X	2020	261-268
11	Achirei Stefan Daniel , Otilia Zvoristeanu, Adrian Alexandrescu, Nicolae Alexandru Botezatu, Andrei Stan, Cristian Rotariu, Robert Gabriel Lupu, Simona Caraiman	SMARTCARE: On the Design of an IoT Based Solution for Assisted Living	2020 International Conference on e-Health and Bioengineering (EHB)	978-1-7281-8804-1 / 2575-5145	2020	1-4
12	Achirei Stefan Daniel, Otilia Zvoristeanu, Adrian Alexandrescu, Nicolae Alexandru Botezatu, Andrei Stan, Cristian Rotariu, Robert Gabriel Lupu, Simona Caraiman	Remote Monitoring of Physiological Parameters used in Ambient Assistive Technologies	2020 International Conference on e-Health and Bioengineering (EHB)	978-1-7281-8804-1 / 2575-5145	2020	1-4
13	Gavrilescu Marius	A Supervised Generative Model for Efficient Rendering of Medical Volume Data	2020 International Conference on e-Health and Bioengineering (EHB)	978-1-7281-8804-1 / 2575-5145	2020	123-126

14	Zvoristeanu Otilia, Stefan Daniel Achirei, Nicolae Alexandru Botezatu, Robert-Gabriel Lupu, Adrian Burlacu, Simona Caraiman	On improving perception for visually impaired: requirements, research and practicality	2020 International Conference on e-Health and Bioengineering (EHB)	978-1-7281-8804-1 / 2575-5145	2020	1-4
15	Ferariu Lavinia, Petrescu Camelia	Multimodal Optimization Using GA in Specific Electromagnetic Field Problems	2020 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania		2020	
16	Caruntu C.F., Pascal C.M., Maxim A., Pauca O.	Bio-inspired Coordination and Control of Autonomous Vehicles in Future Manufacturing and Goods Transportation	21st IFAC World Congress 2020, 11-17.07.2020, online (Berlin, Germany)		2020	
17	Mahulea Cristian, Eduardo Montijano, Marius Kloetzer	Distributed Multirobot Path Planning in Unknown Maps Using Petri Net Models	21st IFAC World Congress 2020, 11-17.07.2020, online (Berlin, Germany)		2020	
18	Caruntu C.F., Varga V., Pauca O.	TrueTime-based Analysis of the Communication Networks used in Vehicle Control Structures	21st International Carpathian Control Conference (ICCC)	978-1-7281-1951-9	2020	
19	Hulea M., G.-I. Uleru, A. Burlacu, C.-F. Caruntu	Bioinspired SNN for robotic joint control	22nd International Conference on Automation, Quality and Testing, Robotics (AQTR)	978-1-7281-7166-1	1-5	
20	Pastravanu O., MH Matcovschi,	Algebraic criteria for a class of contractive symmetrical sets invariant with respect to arbitrary switching linear dynamics	22nd International Conference on Automation, Quality and Testing, Robotics (AQTR)	978-1-7281-7166-1	2020	319-324
21	Doroftei Ioan, Adrian Burlacu	Eye-to-Hand Architecture for PCB Automated Dismantling Procedures	23rd International Symposium on Measurement and Control in Robotics (ISMCR)	978-0-7381-4269-2	2020	
22	Alexandrescu Adrian, Gheorghiuță Butnaru	An architecture of identity management and thirdparty integration for online teaching in a university	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	850-855
23	Baciu Andrei, Lazar Corneliu	Model-Free iPD Control Design for a Complex Nonlinear Automotive System	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	868-873
24	Botan C., F. Ostafi	Discrete Time Model-Following Problem for Linear Systems with Variable Disturbances	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	54-59
25	Hulea M., A. Barleanu	Refresh Method for the Weights of the Analogue Synapses	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	102-105
26	Hustiu Ioana, Marius Kloetzer, Cristian Mahulea	Distributed Path Planning of Mobile Robots with LTL Specifications	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	60-65
27	Hustiu Sofia, Marius Kloetzer, Adrian Burlacu	Collision Free Path Planning for Unmanned Aerial Vehicles in Environments with Dynamic Obstacles	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN:978-1-7281-9810-1 / ISSN: 2372-1618	2020	520-525
28	Lazar R.G., Caruntu C.F.	Simulator for the Automotive Diagnosis System on CAN using Vector CANoe Environment	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	705-710
29	Maxim A., Pauca O., Caruntu C.F., Lazar C.	Distributed Model Predictive Control Algorithm with Time-Varying Communication Delays for a CACC Vehicle Platoon	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	775-780
30	Mocanu Razvan, Onea Alexandru	Predictive Control of PMSM in Stator Frame under Passivity Constrain	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	898-903
31	Pal Constantin-Valentin, Florin Leon	Brief Survey of Model-Based Reinforcement Learning Techniques	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	92-97

32	Pascal Carlos, Lipoveanu Iuliana	Rule-based extension through IoT for a robotized application	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	559-563
33	Pastravanu O., MH Matcovschi, M Voicu	Non-symmetrical setup of componentwise stabilization for continuous-time interval systems	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	1-6
34	Pauca O., Caruntu C.F., Maxim A.	Trajectory Planning and Tracking for Cooperative Automated Vehicles in a Platoon	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	769-774
35	Paval Silviu-Dumitru, Craus Mitica	Parallel Algorithm for a Nonlocal Diffusion Model Applied to a 3D Input Domain	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	361-366
36	Tiganasu A. , C. Lazar, C.F. Caruntu	Cooperative Vehicle Following Based on Predictive Control with Communication Delay Compensation	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	856-861
37	Tudorache Alexandru-Gabriel, Vasile Manta, Simona Caraiman	Novel Image Steganography Algorithm Using Two Hidden Thresholds	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	355-360
38	Uleru George-Iulian, Vasile Ion Manta, Andrei Stan	Enhanced hardware shifting priority queue architecture with reduced switching activity	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	685-690
39	Zamfirescu Iuliu, Pascal Carlos	Modelling and simulation of an omnidirectional mobile platform with robotic arm in CoppeliaSim	24th International Conference on System Theory, Control and Computing (ICSTCC)	ISBN 978-1-7281-9810-1 / ISSN 2372-1618	2020	667-672
40	Pauca O., Caruntu C.F.	Travel Time Minimization at Roundabouts for Connected and Automated Vehicles	25th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA)	978-1-7281-8956-7	2020	905-910
41	Caruntu C.F., Pascal C.M., Ferariu L., Comsa C.R.	Trajectory optimization through connected cooperative control for multiple-vehicle flocking	28th Mediterranean Conference on Control and Automation (MED)	978-1-7281-5742-9/2473-3504	2020	915-920
42	Maxim A., Lazar C., Caruntu C.F.	Distributed Model Predictive Control Algorithm with Communication Delays for a Cooperative Adaptive Cruise Control Vehicle Platoon	28th Mediterranean Conference on Control and Automation (MED)	978-1-7281-5742-9 / 2473-3504	2020	909-914
43	Mocanu Razvan, Onea Alexandru	The Detection of the Rotor Temperature in an Induction Machine Based on a Neural Network with Particle Filtering	28th Mediterranean Conference on Control and Automation (MED)	978-1-7281-5742-9 / 2473-3504	2020	1099-1103
44	Mocanu Razvan, Onea Alexandru	A Cross-Correlation Based Method for Open Phase Fault Detection in Multi-phase Electric Machines	28th Mediterranean Conference on Control and Automation (MED)	978-1-7281-5742-9 / 2473-3504	2020	544-549
45	Cazan S., D Chirita, C Stamate, D Irimia, A Burlacu, I Doroftei	Dismantling strategy for capacitors placed on printed circuits boards: Challenges and preliminary results	9th International Conference on Advanced Concepts in Mechanical Engineering	1757-8981	2020	1-7
46	Mocanu Razvan, Onea Alexandru	Predictive Robust Control of PMSM with Dissipative Constraint	Australian and New Zealand Control Conference (ANZCC)	978-1-7281-9993-1	2020	188-192
47	Burlacu Adrian, Daniel Condurache	A different approach to solving the PBVS control problem	IEEE 29th International Symposium on Industrial Electronics (ISIE)	978-1-7281-5635-4	2020	1359-1364
48	Costin M. , C. Lazar	Active flux based predictive control of interior permanent magnet synchronous machine	International Symposium on Fundamentals of Electrical Engineering	9978-1-7281-9038-9	2020	