

Lista 10 lucrări reprezentative - autor C.-C. Dosoftei

1	C. -C. Dosoftei , A. -T. Popovici, P. -R. Sacaleanu and C. Budaciu, "Real-Time Motion Control of an Electric Driven OMR using a ROS to Matlab Bridged Approach," 2021 25th International Conference on System Theory, Control and Computing (ICSTCC), 2021, pp. 160-165, doi: 10.1109/ICSTCC52150.2021.9607163.
2	C. -C. Dosoftei , A. Lupu and L. Mastacan, "Real-time Communication between Automation Studio and PLC based on OPC Technology for control 3-DoF robot," 2019 24th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), Zaragoza, Spain, 2019, pp. 1493-1496, doi: 10.1109/ETFA.2019.8869086.
3	A.-T. Popovici, C.-C.Dosoftei , C. Budaciu, "Kinematics Calibration and Validation Approach Using Indoor Positioning System for an Omnidirectional Mobile Robot" <i>Sensors</i> . 2022; 22(22):8590. https://doi.org/10.3390/s22228590
4	C. -C. Dosoftei , A. Lupu and C.M. Pascal, "A new approach to create a realistic virtual model of a cylindrical robot using Automation Studio", 2019, 7th International Conference on Modern Technologies in Industrial Engineering (ModTech), Book Series: IOP Conference Series-Materials Science and Engineering, Volume 591:012078, DOI: 10.1088/1757-899X/591/1/012078
5	C-C. Dosoftei , A.-T. Popovici, P. Sacaleanu, P. Gherghel, C. Budaciu, "Hardware in the Loop Topology for an Omnidirectional Mobile Robot Using Matlab in a Robot Operating System Environment", <i>Symmetry</i> . 2021; 13(6):969. https://doi.org/10.3390/sym13060969
6	A. Tiganasu, C. Lazar, C. F. Caruntu, C.-C. Dosoftei , "Comparative Analysis of Advanced Cooperative Adaptive Cruise Control Algorithms for Vehicular Cyber Physical Systems", Journal of Control Engineering and Applied Informatics, ISSN 1454-8658I, Vol.23, No.1, pp. 82-92, 2021
7	C.-C. Dosoftei , "Simulation Power vs. Immersive Capabilities: Enhanced Understanding and Interaction with Digital Twin of a Mechatronic System". <i>Applied Sciences</i> . 2023; 13(11):6463. https://doi.org/10.3390/app13116463
8	C.-C. Dosoftei , "The Immersive Mixed Reality: A New Opportunity for Experimental Labs in Engineering Education Using HoloLens 2". In: <i>Borangiu, T., Trentesaux, D., Leitão, P. (eds) Service Oriented, Holonic and Multi-Agent Manufacturing Systems for Industry of the Future. SOHOMA 2022</i> . Studies in Computational Intelligence, vol 1083. Springer, Cham. https://doi.org/10.1007/978-3-031-24291-5_22
9	F. -V. Hrib, A. -I. Iancu and C. -C. Dosoftei , "Digital Twin and Virtual Reality: A Co-simulation Environment for an Educational Hydraulic Workstation," 2024 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2024, pp. 42-47, doi: 10.1109/DAS61944.2024.10541200, IEEE Xplore
10	C.-C. Dosoftei , V. Horga, I. Doroftei, T. Popovici and Ș. Custura, "Simplified Mecanum Wheel Modelling using a Reduced Omni Wheel Model for Dynamic Simulation of an Omnidirectional Mobile Robot", 2020 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2020, pp. 721-726, doi: 10.1109/EPE50722.2020.9305643.