

Lucrări publicate și participări la conferințe

1. Petcuț-Lasc, A.-A.; Petcuț, F.-M.; Bălaș, V.E., „Optimal Day-Ahead Dispatch of a Hybrid Floating-Photovoltaic and Hydropower Plant: A Comparative Study of Metaheuristic Algorithms” 2026 IEEE 24th International Symposium on Intelligent Systems and Informatics (SISY), 23-25 sept., 2026, in press <https://conf.uni-obuda.hu/sisy2026/SISY%202026%20-%20Preliminary%20Program.pdf>
2. Petcuț, F.-M.; Petcuț-Lasc, A.-A.; Bălaș, V.E., „Experimental Characterization and Stability of a Real-Time Photovoltaic Emulator Implemented on a dSPACE Platform”, Târgoviște, România, 9-11 septembrie, volumul de rezumate al conferinței, Print ISSN 2601-5102
3. Petcuț-Lasc, A.-A.; Petcuț, F.-M.; Bălaș, V.E. „Next-Generation Global MPPT under Partial Shading: A State-of-the-Art Review and a Conceptual Framework Based on the War Strategy Optimization Algorithm”, IEEE 30th Jubilee International Conference on Intelligent Engineering Systems 2026 (INES 2026), July 2-4, 2026, Budapest, Hungary, pp. 375-382, doi: 10.1109/INES69513.2026.11661250.
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8. Petcuț, F.-M.; Petcuț-Lasc, A.-A.; Bălaș, V.E.: Embedded Real-Time Implementation of a Two-Diode Model Photovoltaic Emulator Using dSPACE for Hardware Validation, Electronics, MDPI, vol. 15, no. 8, 1765, 21 Apr. 2026, <https://doi.org/10.3390/electronics15081765>, WOS:001749616700001
9. A.-A. Petcuț-Lasc, F.-M. Petcuț and V. E. Bălaș, „Adaptive Computational Cybernetics for Photovoltaic Energy Optimization Under Partial Shading Conditions”, 2026 IEEE 13th International Joint Conference on Cybernetics and Computational Cybernetics, Cyber-Medical Systems (ICCC), Brisbane, Australia, 2026, pp. 000329-000334, <https://doi.org/10.1109/ICCC68994.2026.11511642>

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