

L I S T A lucrărilor științifice

A. Teza de doctorat

CERCETĂRI PRIVIND INTEGRAREA REȚELELOR DE SENZORI WIRELESS CU INFRASTRUCTURI DE TIP CLOUD APLICABILE SISTEMELOR AUTOMATE DE MONITORIZARE ȘI REGLARE,

Conducător științific: Prof. dr. ing. Nicolae Paraschiv

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Interacțiunea Om-Calculator. Lucrări practice, Editura Ploiești, Universității Petrol – Gaze din Ploiești, ISBN 978-973-719-774-0, 2019

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Zamfir, F.S.; Carbureanu, M.; Mihalache, S.F. Application of Machine Learning Models in Optimizing Wastewater Treatment Processes: A Review. *Appl. Sci.* **2025**, *15*, 8360. <https://doi.org/10.3390/app15158360>
2. Zamfir F., Pricop E., A Review of Digital Twin and the Metaverse from the Standpoint of Smart Factories, *Lecture Notes in Networks and Systems*, 2025, 1073, pp. 155 - 165, DOI: 10.1007/978-981-97-5703-9_12
3. Tănase M, Portoacă AI, Diniță A, Brănoiu G, Zamfir F, Sirbu E-E, Călin C. Optimizing Mechanical Properties of Recycled 3D-Printed PLA Parts for Sustainable Packaging Solutions Using Experimental Analysis and Machine Learning. *Polymers*. 2024; 16(23):3268. <https://doi.org/10.3390/polym16233268>
4. Carbureanu M., Mihalache S.F., Zamfir F., Machine Learning Methods Applied for Wastewater pH Neutralization Process Modeling, 2022 14th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2022, DOI: 10.1109/ECAI54874.2022.9847479
5. Zamfir F.S., Pricop E., On the design of an interactive automatic Python programming skills assessment system, 2022 14th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2022, DOI: 10.1109/ECAI54874.2022.9847414.
6. Zamfir F., Paraschiv N. and Pricop E., "Real-time stock analysis for blending recipes in industrial plants," 2019 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2019, pp. 79-83. doi: 10.1109/ICSTCC.2019.8886147 <https://ieeexplore.ieee.org/document/8886147>

7. Paraschiv N., Pricop E., Fattahi J. and Zamfir F., "Towards a reliable approach on scaling in data acquisition," 2019 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2019, pp. 84-88.
doi: 10.1109/ICSTCC.2019.8886145 <https://ieeexplore.ieee.org/document/8886145>
8. Pricop E., Fattahi J., Paraschiv N., Zamfir F., Ghayoula E. – Method for authentication of sensors connected on Modbus TCP, Proceedings of the 4th International Conference on Control, Decision and Information Technologies – CoDIT 2017, Barcelona, Spain, April 2017, pag. 679-683, ISBN: 978-1-5090-6465-6, DOI: 10.1109/CoDIT.2017.8102673
9. Zamfir F., Paraschiv N., Pricop E. – Performance analysis in WiMAX networks using random linear network coding, Proceedings of the 4th International Conference on Control, Decision and Information Technologies – CoDIT 2017, Barcelona, Spain, April 2017, pag. 679-683, ISBN: 978-1-5090-6465-6, DOI: 10.1109/CoDIT.2017.8102658
10. Pricop E., Mihalache S.F., Paraschiv N., Fattahi J., Zamfir F. - Considerations regarding security issues impact on systems availability, Proceedings of the 8th International Conference on Electronics, Computers & Artificial Intelligence – ECAI 2016, Iunie 2016, Ploiești, România, pag. 1-6, ISBN: ISBN: 978-1-5090-2047-8 doi:10.1109/ECAI.2016.7861110
11. Pricop E., Zamfir F., Paraschiv N. – Feedback control system based on a remote operated PID controller implemented using mbed NXP LPC1768 development board, Journal of Physics: Conference Series, Vol. 659 – Proceedings of the 12th Advanced Control and Diagnosis Workshop, Pilsen, Czech Republic, 2015, Article number: 012028, IOP Publishing, 2015, doi:10.1088/1742-6596/659/1/012028

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