

Lista de lucrări

As.univ.dr.ing. Pop Ioan-Adrian

a. Lucrări publicate reviste cotate ISI (Web of Science și Scopus): ISI Q1

1. Pop, Nicolae, Miorita Ungureanu, and **Adrian I. Pop**. 2021. "An Approximation of Solutions for the Problem with Quasistatic Contact in the Case of Dry Friction" *Mathematics* 9, no. 8: 904. <https://doi.org/10.3390/math9080904> în revistă cotate ISI (Web of Science cu factor de impact 2.2); Factor de impact 2,2, ISI Q1

Lucrări indexate Web of Science și Scopus

2. **A. I. Pop**, N. Pop, R. Țarcă, C. Lung and S. Sabou, "Wheeled Mobile Robot H.I.L. Interface: Quadrature Encoders Emulation With A Low-Cost Dual-Core Microcontroller," *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, Oradea, Romania, 2023, pp. 1-4, doi: 10.1109/EMES58375.2023.10171736.
3. **A. I. Pop**, C. Lung, S. Sabou, R. Tarcă and N. Pop, "Experimental evaluation of LoRa for remote vehicle tracking and control in urban areas," *2022 IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME)*, Bucharest, Romania, 2022, pp. 128-131, doi: 10.1109/SIITME56728.2022.9987752.
4. Pop, Nicolae, Luige Vladareanu, Marcel Migdalovici, **Adrian I. Pop**, and Mihai Radulescu. "Trajectory optimization for mobile robots using model predictive control." *Periodicals of Engineering and Natural Sciences (PEN)* 7, no. 1 (2019): 242-248.
5. **A. I. Pop** and C. Lung, "Design and implementation of a power management system with IoT features," *2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME)*, Cluj-Napoca, Romania, 2019, pp. 278-281, doi: 10.1109/SIITME47687.2019.8990838.

b. Teza de doctorat

Ioan-Adrian Pop, „Controlul și urmărirea traiectoriei de mișcare a roboților mobili”, Școala de Studii Avansate a Academiei Române, IMSAR, București, Ianuarie 2026

g. Comunicări la conferințe naționale sau internaționale

Conferințe internaționale:

1. **A. I. Pop**, N. Pop, R. Țarcă, C. Lung and S. Sabou, *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, "Wheeled Mobile Robot H.I.L. Interface: Quadrature Encoders Emulation With A Low-Cost Dual-Core Microcontroller", 2023, Oradea, Romania
2. **A. I. Pop**, C. Lung, S. Sabou, R. Tarcă and N. Pop, *2022 IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME)*, "Experimental evaluation of LoRa for remote vehicle tracking and control in urban areas" 2022, Bucharest, Romania

3. Nicolae Pop, Luige Vladareanu, Marcel Migdalovici, **Adrian I. Pop**, Marina Lici, Roxana Apsan, Petrica Plitan, Radu Paraschiv; *International Conference on Communication, Management and Information Technology ICCMIT 2020*, „Boundary optimal control of a contact with dry friction problem for elastic materials”, 2020, Athens, Greece;
4. **Adrian I. POP**, Claudiu LUNG, *IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME)*; „Design and implementation of a power management system with IoT features”; 23-26 oct. 2019, Cluj-Napoca, Romania
5. Pop, Nicolae, Luige Vladareanu, Marcel Migdalovici, **Adrian I. Pop**, Mihai Radulescu, *International Conference on Communication, Management and Information Technology ICCMIT 2019*, Special Session on Advanced Intelligent Control Methods in Robotics and Mechatronics; "Trajectory optimization for mobile robots using model predictive control", 26 - 28 mar. 2019, Viena, Austria;

Conferințe naționale:

6. Nicolae POP, Luige VLADAREANU, Marcel MIGDALOVICI, Marin BANCOȘ, **Adrian Ioan POP**, Vicentiu Marius MAXIM, Liviu Cristian CHIȘ, *Annual Symposium of the Institute of Solid Mechanics SISOM 2023 and Symposium of Acoustics*, „Asupra controlului stabilității unui sistem mecatronic flexibil cu timp de întârziere”, 2023, Bucuresti, România;
7. **Adrian Ioan POP**, Nicolae Pop, Radu Țarcă, *31th edition of the Annual Symposium of the Institute of Solid Mechanics SISOM 2022 and Symposium of Acoustics*, “PROCESSING as a software for Engineering, Education and Research Rapid Prototyping: Implementation of a Mobile Robot HMI”, 2022, Bucuresti, România;
8. Bogdan CIORUȚA, **Adrian Ioan POP**, *Annual Symposium of the Institute of Solid Mechanics SISOM 2019 and Symposium of Acoustics*, „Representations of analogies between mechanical and electrical dynamic systems”; 16-17 mai 2019, Bucuresti, România;

02.06.2026

