

A N E X A 4 . 2 0

Nume Prenume: Popa Bogdan

Gradul didactic: Asistent universitar

Instituția unde este titular: Universitatea din Craiova

Facultatea: de Automatică. Calculatoare și Electronică

Departamentul: de Automatică și Electronică

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Algoritmi performanti pentru prelucrarea imaginilor si a semnalelor. Coordonator: Prof. univ. dr. ing. Dan POPESCU

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

1. Dan Selișteanu, Ion Marian Popescu, Emil Petre, Monica Roman, Dorin Șendrescu, **Bogdan Popa**, „*Distributed Control Systems for a Wastewater Treatment Plant: Architectures and Advanced Control Solutions*”, *Wastewater and Water Quality*, IntechOpen, DOI:10.5772/intechopen.74827

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani
Articole prezentate la conferințe internaționale indexate ISI (ISI Proc.)

1. **Popa B.**, „*Iterative Function Systems for Natural Image Processing*”, Proc. of 2015, 16th Int. Carpathian Control Conf. (ICCC'2015), 27 May - 30 May 2015, Szilvásvárad, Hungary, pp. 46 - 49, DOI: 10.1109/CarpathianCC.2015.7145043, Publisher: IEEE, Electronic ISBN 978-1-4799-7369-9. **WOS:000380488000009**
2. **Popa B.**, „*Dijkstra algorithm in parallel- Case study*”, Proc. of 2015, 16th Int. Carpathian Control Conf. (ICCC'2015), 27 May - 30 May 2015, Szilvásvárad, Hungary, pp. 50 - 53, DOI: 10.1109/CarpathianCC.2015.7145044, Publisher: IEEE, Electronic ISBN 978-1-4799-7369-9. **WOS:000380488000010**
3. **Popa B.**, Popescu D., „*Analysis of Algorithms for Shortest Path Problem in Parallel*”, Proc. of 2016 17th Int. Carpathian Control Conf. (ICCC'2016), May 29 – June 1, 2016, Tatranská

- Lomnica, Slovakia, DOI: 10.1109/CarpathianCC.2016.7501169, Publisher: IEEE, Electronic ISBN: 978-1-4673-8606-7, ISBN: 978-1-4673-8605-0. **WOS:000389829000114**
4. **Popa B.**, Popescu M., „*The analysis parameters for the AC engine for actuating of a grinding wheat system*”, 2017, 18TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC), p. 400-405, DOI: 10.1109/CarpathianCC.2017.7970433, Publisher: IEEE, ISBN:978-1-5090-4862-5, **WOS:000426954400074**
 5. **Popa B.**, „*Study about the edge detection algorithm and its applications*”, 2017, 18th International Carpathian Control Conference (ICCC),p. 417-422, DOI: 10.1109/CarpathianCC.2017.7970436, Publisher: IEEE, ISBN:978-1-5090-4862-5. **WOS:000426954400077**
 6. **Popa B.**, Popescu I.M., Popescu D., Bobasu. E., „*Real-time monitoring system of a closed oven*”, 2018, 19th International Carpathian Control Conference (ICCC), p. 27-32, DOI: 10.1109/CarpathianCC.2018.8399597, Publisher: IEEE, ISBN:978-1-5386-4762-2. **WOS:000439260500010**
 7. Selișteanu D., Roman M., Șendrescu D., Petre E., **Popa B.** „*A Distributed Control System for Processes in Food Industry: Architecture and Implementation*”, 2018, 19th International Carpathian Control Conference (ICCC),p. 128-133, DOI: 10.1109/CarpathianCC.2018.8399615, Publisher: IEEE, ISBN:978-1-5386-4762-2. **WOS:000439260500028**
 8. Popescu I.M., **Popa B.**, Prejbeanu R., Ionete C., „*Evaluation of Parallel and Real-Time Processing Performance for Some Vibration Signals Using FPGA Technology*”, 2018, 19th International Carpathian Control Conference (ICCC),p. 365-370, DOI: 10.1109/CarpathianCC.2018.8399657, Publisher: IEEE, ISBN:978-1-5386-4762-2. **WOS:000439260500069**
 9. Constantinov C., Mocanu M., Poteraș C., **Popa B.**, „*Using a Graph Database for Evaluating and Enhancing a Social Reputation Engine*”, 2018, 19th International Carpathian Control Conference (ICCC),p. 518-523, DOI: 10.1109/CarpathianCC.2018.8399685, Publisher: IEEE, ISBN:978-1-5386-4762-2. **WOS:000439260500096**
 10. **Popa B.**, “*Algorithms for Lossless Compression in Image Processing Systems*”, 2016, 20th Panhellenic Conference on Informatics (PCI). Patra, Greece, **ACM Digital Library**, Conference Proceedings Series (ICPS), ISBN: 978-1-4503-4789-1

11. **Popa B.**, “*Innovative Computing Systems in Volume Rendering for the Medical Images*”, 2016, 20th Panhellenic Conference on Informatics (PCI). Patra, Greece, [ACM Digital Library](#), Conference Proceedings Series (ICPS), ISBN: 978-1-4503-4789-1
12. **Popa B.**, M. Roman and R. L. Constantinescu, “*Fast Fourier processing and real-time transformation system for a dynamic vibration signal*,” 2019 20th International Carpathian Control Conference (ICCC), Krakow-Wieliczka, Poland, 2019, pp. 1-6, doi: 10.1109/CarpathianCC.2019.8766039.
13. **B. Popa**, D. Popescu, M. Roman and R. L. Constantinescu, “*Optimizing Algorithms for low CPU Usage in Different Scenarios*,” 2019 20th International Carpathian Control Conference (ICCC), Krakow-Wieliczka, Poland, 2019, pp. 1-6, doi: 10.1109/CarpathianCC.2019.8765938.
14. R. Constantinescu, **B. Popa**, M. Roman and D. Selișteanu, “*An Improved Numerical Method for the Simulation of Nonlinear Systems*,” 2019 20th International Carpathian Control Conference (ICCC), Krakow-Wieliczka, Poland, 2019, pp. 1-6, doi: 10.1109/CarpathianCC.2019.8765939.
15. M. Popescu, D. Popescu, I. Voinea, **B. Popa** and R. Prejbeanu, “*A DFT Computation Method for the Real-Time Processing of Vibration Signals at FPGA Circuit Level*,” 2020 21th International Carpathian Control Conference (ICCC), High Tatras, Slovakia, 2020, pp. 1-6, doi: 10.1109/ICCC49264.2020.9257281.
16. **B. Popa**, M. Roman, E. Petre, S. Cosmulescu and A. M. Stoenescu, “*Software Tools to Manage and Simulate Information from the Natural Environment*,” 2020 21th International Carpathian Control Conference (ICCC), High Tatras, Slovakia, 2020, pp. 1-6, doi: 10.1109/ICCC49264.2020.9257299.

Reviste B și B+

1. **Popa B.**, Popescu D. “*Lossless Compression in Image Processing Technologies and Applications*”, 2014, Annals of the University of Craiova, 2014 Volume 11 no. 2, p. 13-18, ISSN 1841-0626.
2. **Popa B.**, Popescu D. “*Improving of the Backtracking Algorithm using different strategy for solving the 2-d problems*”, 2015, Annals of the University of Craiova, 2015 Volume 12 no. 1, p. 29-33, ISSN 1841-0626

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

- Reviste

1. **Popa B.** “*Visual Study About the Fractals and New Means of Viewing*”, 2016, International Journal of Scientific Research, October 2016, Volume 5, Issue 10, p 383-386, ISSN No 2277 – 8179.
2. I.M. Popescu, **B. Popa**, R. Prejbeanu “*Technology based on FPGA circuits and simultaneous processing of signals with great dynamic over time*”, 2017, Annals of the University of Craiova, Volume 14 no. 1, p. 25-30, ISSN 1841-0626
3. **Popa B.**, Popescu D. “*Summary of bread production and review of new methods for estimating process parameters*”, 2017, Annals of the University of Craiova, Volume 14 no. 2, p. 26-33, ISSN 1841-0626

- Selecție cu maximum 20 lucrări în volume de conferințe

1. **Popa B.** ”*The influence of the ICT and IoT in the teaching systems*”, 2017, New innovative approaches in teaching, 6-7 May 2017, Vidin ,Bulgaria, p. 155-160, ISBN: 978-954-9399-47-9
2. **Popa B.**, Radulescu V., Poenaru M.L., “*International system for connecting high-school graduate study databases*”, New innovative approaches in teaching, 6-7 May 2017, Vidin, Bulgaria, Erasmus+ project 2015-1BG01-KA219-014218-“Opening up education through the school projects and ICT”. ISBN: 978-954-9399-47-9

E. Brevete obținute în întreaga activitate**Data:** 22.02.2021**Semnătura:**