

Lista lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Lucrări relevante pentru realizările profesionale proprii

1. Alexandra Fanca, Adela Pop, Paul Calin Detesan, Dan Ioan Gota, Honoriu Valean, Liviu Miclea. "Monitoring System For Quarantined Persons". 25th International Conference on System Theory, Control and Computing, October 20-23, 2021, Iași, Romania, ISBN 978-1-6654-1495-1, IEEE Catalog Number CFP2136P-USB.
2. A. Fanca (Pop), A. Puscasiu, S. Folea, H. Valean. Trauma Accident Detecting and Reporting System. Proc. of 2018 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 21st edition, Cluj-Napoca May 24-26, ISBN: 978-1-5386-2203-2, IEEE Catalog Number: CFP18AQT-USB.
3. A. Fanca, A. Puscasiu, D. Gota, H. Valean. Recommendation Systems with Machine Learning. Proc. of 2020 21th International Carpathian Control Conference (ICCC), High Tatras, Slovakia, 27-29 October, ISBN: 978-1-7281-1952-6, DOI: 10.1109/ICCC49264.2020.9257293.
4. A. Fanca (Pop), A. Puscasiu, H. Valean, S. Folea. A Survey on Smartphone-Based Accident Reporting and Guidance Systems. International Journal of Advanced Computer Science and Applications(IJACSA), Vol. 9, No. 9, 2018, pp. 409-414, ISSN : 2156-5570, <http://dx.doi.org/10.14569/IJACSA.2018.090952>.
5. A. Fanca, A. Puscasiu, H. Valean. Accident Reporting and Guidance System with automatic detection of the accident. Proc. of 2016 20th International Conference on System Theory, Control and Computing (ICSTCC), October 13-15, Sinaia, Romania, pp. 150-155, ISBN: 978-1-5090-2720-0, IEEE Catalog Number CFP1636P-ART.
6. A. Puscasiu, A. Fanca, D. Gota, H. Valean. Automated image captioning. Proc. of 2020 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 22'nd edition, Cluj-Napoca May 21-23, ISBN: 978-1-7281-7165-4, IEEE Catalog Number: CFP20AQT-USB.
7. A. Pop, A. Fanca, D. Gota, H. Valean. Monitoring and Prediction of Indoor Air Quality for Enhanced Occupational Health. Intelligent Automation & Soft Computing, Vol.35, No.1, pp. 925-940, 2023, DOI:10.32604/iasc.2023.025069, ISSN: 2326-005X, published june. 2022.
8. A. Ciobotariu, D. Gota, A. Pop, O. Stan, A. Fanca, C. Domuta, H. Valean, L. Miclea. Demographic Attributes Classification via Convolutional Neural Networks: A Proposed Solution. Proc. of 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET), 20-22 July 2022, Prague, Czech Republic, ISBN:978-1-6654-7087-2, DOI: 10.1109/ICECET55527.2022.9872818.

B. Teza de doctorat

Alexandra Fanca, Sistem de raportare și ghidare în caz de accident bazat pe terminale mobile, Universitatea Tehnică din Cluj Napoca, 2020

C. Brevete de inventie

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D. Cărți si capitole în cărți publicate

1. D. I. Gota, A. Fanca, A. Pop, O.Stan, H. Valean. Programarea orientata pe obiecte în limbajul C#,Ed. Risoprint, Cluj-Napoca, Romania, ISBN: 978-973-53-2917-4, 2022, 72 pagini.
2. D. I. Gota, A. Pop, A. Fanca, H. Valean. Concepte OOP in C++, U.T. Press, Cluj-Napoca, Romania, ISBN: 978-606-737-590-9, 2022, 127 pagini.
3. A. Puscasiu, A. Fanca, H. Valean, D. Gota, O Stan, N. Roman, O. Clitan, V. Muresan. Indoor Air Quality Monitoring System for Healthcare Facilities. Proc. of International Conference on Advancements of Medicine and Health Care through Technology, 13-15 October, Cluj-Napoca, Romania, pp. 399-408, part of book series IFMBE, volume 88, ISBN: 978-3-030-93564-1, DOI: 10.1007/978-3-030-93564-1_44, Springer.

E. Articole/studii in extenso

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F. Publicatii in extenso

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G. Alte lucrari si contributii stiintifice

1. Alexandra Fanca , Adela Pop (Puscasiu), Dan Ioan Gota , Arina Badistru, Honoriu Valean. Healthy nutrition smartphone app with personalized recommendations. Proc. of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME) 16-18 November 2022, Maldives, pp. 1338-1344.
2. A. Fanca, A. Pop Puscasiu, D. Gota, F. M. Giurgiu, M. M. Santa, H. Valean, C. Domuta, L. Miclea. Romanian coins recognition and sum counting system from image using TensorFlow and Keras. Proc. of 2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) THETA 23rd edition, May 19th-21st, Cluj-Napoca, Romania, IEEE Part Number: CFP22AQT-USB, ISBN: 978-1-6654-7932-5, DOI: 10.1109/AQTR55203.2022.9802068
3. C. Domuta, R. Miron Onciul, D. Gota, A. Fanca, A. Pop Puscasiu, O. Stan, H. Valean, L. Miclea. Gaze Analysis and Concentration Monitoring for Children With Attention Disorder using Eye-Tracking. Proc. of 2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) THETA 23rd edition, May 19th-21st, Cluj-Napoca, Romania, IEEE Part Number: CFP22AQT-USB, ISBN: 978-1-6654-7932-5, DOI: 10.1109/AQTR55203.2022.9802014
4. C. Domuta, A. Fanca, A. Puscasiu Pop, D. Gota, O. Stan, H, Valean, L. Miclea. Multi-channel Chatbot and Robotic Process Automation. Proc. of 2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) THETA 23rd edition, May 19th-21st, Cluj-Napoca, Romania, IEEE Part Number: CFP22AQT-USB, ISBN: 978-1-6654-7932-5, DOI: 10.1109/AQTR55203.2022.9801960
5. A. Pop, A. Fanca, D.Gota, H. Valean, L. Miclea. DISTRIBUTED SYSTEM FOR MONITORING ENVIRONMENTAL CONDITIONS using IoT. Proc. of 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET), 20-22 July 2022, Prague, Czech Republic, ISBN:978-1-6654-7087-2, DOI: 10.1109/ICECET55527.2022.9873459

6. A. Fanca, D. Gota, A. Pop, H. Valean. Daily activities monitoring system using mobile terminal. Proc. of 2022 23rd International Carpathian Control Conference (ICCC 2022), 29 May 2022 - 01 June 2022, Sinaia, Romania, ISBN:978-1-6654-6636-3, DOI: 10.1109/ICCC54292.2022.9805886
7. D. Gota, C Siman, A. Fanca, A. Pop, O. Stan, H. Valean, L. Miclea. Hand Gesture Recognition and Infrared Information System. Proc. of 2022 23rd International Carpathian Control Conference (ICCC 2022), 29 May 2022 - 01 June 2022, Sinaia, Romania, ISBN:978-1-6654-6636-3, DOI: 10.1109/ICCC54292.2022.9805963
8. Adela Pop, Alexandra Fanca, Dan-Ioan Gota, Claudiu Domuta, Honoriu Valean, Ovidiu Stan, Liviu Miclea. "Data transmission and remote control of Android mobile devices". Proc. of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), 7-8 October 2021, Mauritius, ISBN: 971-1-6654-1262-9.
9. Alexandru Ciobotaru, Dan Ioan Gota, Adela Puscasiu, Ovidiu Stan, Alexandra Fanca, Claudiu Domuta, Honoriu Valean, Liviu Miclea. "Deep Neural Networks and Computer Vision for Real-Time Facial Landmark Detection". Proc. of the International Conference on Electrical, Computer, and Energy Technologies (ICECET), Cape Town, South Africa on 09-10 December 2021
10. Dan-Ioan Gota, Adela Puscasiu, Alexandra Fanca, Dumitru-Bogdan Neag, Mihai Hulea, Liviu Miclea, Honoriu Valean. "Monitoring system for Android devices sensor performance". 25th International Conference on System Theory, Control and Computing, October 20-23, 2021, Iași, Romania, ISBN 978-1-6654-1495-1, IEEE Catalog Number CFP2136P-USB.
11. A. Puscasiu, A. Fanca, D. Gota, H. Valean. Data mining for identifying trends in markets. Proc. of 2020 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 22'nd edition, Cluj-Napoca May 21-23, ISBN: 978-1-7281-7165-4, IEEE Catalog Number: CFP20AQT-USB.
12. D. Gota, A. Puscasiu, A. Fanca, L. Miclea, H. Valean. Smart home automation system using Arduino microcontrollers. Proc. of 2020 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 22'nd edition, Cluj-Napoca May 21-23, ISBN: 978-1-7281-7165-4, IEEE Catalog Number: CFP20AQT-USB.
13. D. Gota, A. Puscasiu, A. Fanca, H. Valean, L. Miclea. Threat objects detection in airport using machine learning. Proc. of 2020 21th International Carpathian Control Conference (ICCC), High Tatras, Slovakia, 27-29 October, ISBN: 978-1-7281-1952-6, DOI: 10.1109/ICCC49264.2020.9257293.
14. D. Gota, A. Puscasiu, A. Fanca, H. Valean. Human-Computer Interaction using hand gestures. Proc. of 2020 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 22'nd edition, Cluj-Napoca May 21-23, ISBN: 978-1-7281-7165-4, IEEE Catalog Number: CFP20AQT-USB.
15. A. Fanca, A. Puscasiu, M. Cujerean, D. Gota, H. Valean. System for monitoring people with disabilities in the event of an accident using mobile terminals. International Journal of Advanced Computer Science and Applications (IJACSA), Volume 10, Issue 12, 2019, pp. 74-81, ISSN : 2156-5570, Digital Object Identifier (DOI) : 10.14569/IJACSA.2019.0101210.
16. A. Puscasiu, A. Fanca, D. Gota, S. Folea, H. Valean. A Survey on Distributed Greenhouse Gases Monitoring Systems. International Journal of Advanced Computer Science and Applications (IJACSA), Volume 10, Issue 11, 2019, pp. 300-304, ISSN : 2156-5570, Digital Object Identifier (DOI) : 10.14569/IJACSA.2019.0101141.
17. A. Fanca, A. Puscasiu, D. Gota, H. Valean. Methods to Minimize False Detection in Accidental Fall Warning Systems. Proc. of 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, October 9-11, 2019, IEEE Catalog Number: CFP1936P-USB, ISBN: 978-1-7281-0698-4.

18. D. Gota, A. Fanca, A. Puscasiu, H. Valean, L.Miclea. Driving Evaluation Based on Acceleration, Speed and Road Signs. Proc. of 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, October 9-11, 2019, IEEE Catalog Number: CFP1936P-USB, ISBN: 978-1-7281-0698-4.
19. A. Puscasiu, A. Fanca, D. Gota, H. Valean. Dynamic Routing of Traffic Based on Greenhouse Gases Measurements. Proc. of 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, October 9-11, 2019, IEEE Catalog Number: CFP1936P-USB, ISBN: 978-1-7281-0698-4.
20. A. Puscasiu, A. Fanca, D. Gota, H. Valean. Cooperative traffic control based on greenhouse gases footprint minimization . Proc. of 20th International Carpathian Control Conference (ICCC), Kraków - Wieliczka, Poland, May 26-29, 2019, IEEE Catalog Number: CFP1942L-USB, ISBN: 978-1-7281-0701-1.
21. V. Muresan, M. Abrudean, H. Valean , L. Miclea, M.L. Unguresan, I. Clitan, A. Puscasiu, A. Fanca (Pop). Control of a Separation Column for 18O Isotope Production. Proc. Of 22nd International Conference on System Theory, Control and Computing - ICSTCC 2018 - 10-12 October, 2018.
22. A. Puscasiu, A. Fanca(Pop), H. Valean, S. Folea. Traffic Control Using Distributed Greenhouse Gases Measurements. Proc. of 2018 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 21st edition, Cluj-Napoca May 24-26, ISBN: 978-1-5386-2203-2, IEEE Catalog Number: CFP18AQT-USB.
23. A. Fanca, A. Puscasiu, D. Gota, H. Valean . Evaluating data accuracy of built-in smartphone sensors for mobile applications. Proc. of 26th Telecommunications Forum(TELFOR), Belgrade, Serbia, November, 20-21, 2018, ISBN: 978-1-5386-7170-2, IEEE PartNumber:CFP1898P-CDR.
24. M.L. Unguresan, V. Muresan, M. Abrudean, H. Valean, I. Clitan, C. Bondici, A. Puscasiu, A. Fanca, O. Stan. Advanced control of a hydroelectric power plant. Proceedings of the 2017 21st International Conference on System Theory, Control and Computing (ICSTCC), October 19 - 21, IEEE Catalog Number: CFP1736P-ART, ISBN: 978-1-5386-3842-2.
25. V. Muresan, M.Abrudean, H. Valean, I. Clitan, M.L. Unguresan, T.Colosi, D. Sas, A. Puscasiu, A. Fanca.Pipes Temperature Control in an Annealing Furnace. Proceedings of the 2017 18th International Carpathian Control Conference (ICCC), May 28 - 31, IEEE Catalog Number: CFP1742L-USB, ISBN: 978-1-5090-5825-9.
26. A.Puscasiu, S. Folea, H. Valean, A. Fanca, T.Sanislav. Monitoring The On-Site Contribution To The Greenhouse Effect By Distributed Measurement Of Carbon Dioxide. Proceedings of the 2017 18th International Carpathian Control Conference (ICCC), May 28 - 31, IEEE Catalog Number: CFP1742L-USB, ISBN: 978-1-5090-5825-9.
27. V. Muresan, M. Abrudean, H. Valean, I. Clitan, M. Unguresan, T. Colosi, A. Puscasiu, A. Fanca . Temperature Modeling and Control in a Tunnel Heat-Treatment Furnace. Proc. of 2016 20th International Conference on System Theory, Control and Computing (ICSTCC), October 13-15, Sinaia, Romania, pp. 245-250, ISBN: 978-1-5090-2720-0, IEEE Catalog Number CFP1636P-ART.
28. A. Puscasiu, A. Fanca, H. Valean. Tracking and Localization System using Android Mobile Phones . Proc of 2016 IEEE International Conference on Automation, Quality and Testing, Robotics THETA 20th edition, 19th-21th May, Cluj-Napoca, Romania, ISBN: 978-1-4673-8691-13.

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Semnatura:

