

## **Lista lucrărilor științifice în domeniul disciplinelor din postul didactic**

### **A. Teza de doctorat**

Gota Dan Ioan, Proiectarea asistată de calculator a sistemelor independente de producere a energiilor regenerabile, Universitatea Tehnică din Cluj-Napoca

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

1. C. Domuta, D. Gota, A. Fanca, A. Pop, H. Valean. Tehnologii web avansate. Studiu de caz Angular 14 și .NET Framework, Risoprint, Romania, ISBN: 978-973-53-3106-1, 2023
2. I.A. Stefan, D. Gota, L. Miclea, H. Valean, Sz. Enyedi. Tehnici de testare a programelor, Risoprint, Romania, ISBN: 978-973-53-3002-6, 2023, 162 pagini
3. D. I. Gota, A. Fanca, A. Pop, H. Valean, V. Todescu. Concepte OOP în C++, Risoprint, Colectia Scientia, Romania, ISBN: 978-973-53-2981-5, 2023, 160 pagini
4. Dan GOTA, Alexandra FANCA Adela POP, Ovidiu STAN, Honoriu VALEAN, -, „Programarea orientată pe obiecte în limbajul C#” ISBN: 978-973-53-2915-0, 2022
5. Gota Dan Ioan - „Proiectarea Asistată de Calculator a Sistemelor Independente de Producere a Energiilor Regenerabile”, Editura RISOPRINT, 2022, ISBN: 978-973-53-2893-1
6. D. I. Gota, A. Pop, A. Fanca, H. Valean. Concepte OOP în C++, U.T. Press, Cluj-Napoca, Romania, ISBN: 978-606-737-590-9, 2022, 127 pagini

### **C. Articole în reviste cotate și în volumele unor minifestări științifice indexate ISI proceedings**

#### **C.1 Jurnale ISI Q1/Q2**

1. Ciobotaru, A.; Corches, C.; **Gota, D.\***; Miclea, L. „An Explainable Deep Learning-Based Predictive Maintenance Solution for Air Compressor Condition Monitoring”. *Sensors* 2025, 25, 5797. <https://doi.org/10.3390/s25185797>
2. A. Ciobotaru, C. Corches, **D. Gota** and L. Miclea, "Deep Learning and Federated Learning in Breast Cancer Screening and Diagnosis: A Systematic Review," in *IEEE Access*, vol. 13, pp. 76322-76351, 2025, doi: 10.1109/ACCESS.2025.3560211.
3. Ciobotaru, A.; Bota, M.A.; **Goța, D.I\*.**; Miclea, L.C. Multi-Instance Classification of Breast Tumor Ultrasound Images Using Convolutional Neural Networks and Transfer Learning. *Bioengineering* **2023**, 10, 1419. <https://doi.org/10.3390/bioengineering10121419>

4. Donca, I.-C.; Stan, O.P.; Misaros, M.; **Gota, D.**; Miclea, L. "Method for Continuous Integration and Deployment Using a Pipeline Generator for Agile Software Projects". *Sensors* **2022**, *22*, 4637. <https://doi.org/10.3390/s22124637>
5. Stan, O.P.; Enyedi, S.; Corches, C.; Flonta, S.; Stefan, I.; **Gota, D.**; Miclea, L. Method to Increase Dependability in a Cloud-Fog-Edge Environment. *Sensors* **2021**, *21*, 4714. <https://doi.org/10.3390/s21144714>
6. Crișan, D.; Irimia, A.; **Gota, D.\***; Miclea, L.; Puscasiu, A.; Stan, O.; Valean, H. Analyzing Benford's Law's Powerful Applications in Image Forensics. *Appl. Sci.* **2021**, *11*, 11482. <https://doi.org/10.3390/app112311482>
7. **Dan-Ioan Gota\***, Henrik Lund, Liviu Miclea, „A Romanian energy system model and a nuclear reduction strategy”, *Energy*, Volume 36, Issue 11, 2011, Pages 6413-6419, ISSN 0360-5442, <https://doi.org/10.1016/j.energy.2011.09.029>

## C.2 Jurnale ISI

1. Fanca, Alexandra, Dan Ioan Gota, and Honoriu Valean. "Monitoring and Prediction of Indoor Air Quality for Enhanced Occupational Health." *Intelligent Automation & Soft Computing* 35.1 (2023), DOI: 10.32604/iasc.2023.025069
2. Alexandra Fanca, Monica Cujerean, Adela Puscasiu, Dan-Ioan Gota and Honoriu 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)* 10.12 (2019). <http://dx.doi.org/10.14569/IJACSA.2019.0101210>
3. Marius Misaroș, Ștefan-Dragoș Cîrstea, Dan-Ioan Goța, Ovidiu-Petru Stan, and Cristian-Liviu Miclea, "Reliability Assessment for an IoT Device. Use Case: Parkinson's Patient Spoon," *International Journal of Modeling and Optimization*. vol. 13, no. 1, pp. 24-31, 2023
4. Adela, Puscasiu & Fanca, Alexandra & Gota, Dan-Ioan & Folea, Silviu & Valean, Honoriu. A Survey on Distributed Greenhouse Gases Monitoring Systems. *International Journal of Advanced Computer Science and Applications*. 2019, 10.10.14569/IJACSA.2019.0101141
5. Vigu, C, Dan Gota, Capatana, D. , Improving the wind speed estimation algorithms using results obtained in the field, *CONTROL ENGINEERING AND APPLIED INFORMATICS* Volume: 12 Issue: 3 Pages: 13-17 Published: Sept. 2010 (ISI, ISI, IF: 0.695 – 0.775, Q4 AUTOMATION & CONTROL SYSTEMS)

## C.3 Articole conferinte indexate ISI

1. B. Victor, G. Dan and M. Liviu, "Design and Implementation of a 3D-Printed Educational Delta Robot with Passive Safety Mechanism," 2025 29th International Conference on System Theory, Control and Computing (ICSTCC), Cluj-Napoca, Romania, 2025, pp. 296-299, doi: 10.1109/ICSTCC66753.2025.11240485.
2. A. Ciobotaru, C. Corches, D. Gota and L. Miclea, "HybNet: A Deep Learning-Based Backbone Feature Extractor for Breast Cancer Classification From Ultrasound Images," 2025 29th International Conference on System Theory, Control and Computing (ICSTCC), Cluj-Napoca, Romania, 2025, pp. 1-6, doi: 10.1109/ICSTCC66753.2025.11240351.
3. Gota Dan, Misaros Marius, Miclea Liviu –, „Reliability Analysis of an Air Quality Monitoring System”, accepted and presented at the ICECET Paris 2025, under submission review to IEEE Xplore

4. Flutur George, Chindris Gabriel, Gota Dan, Stan Ovidiu, „Digital Twin Optimization of Start-Stop Systems for 12V Lead-Acid Batteries” accepted and presented at the ICECET Paris 2025, under submission review to IEEE Xplore
5. Alexandru Ciobotaru, Dan Gota, Adela Puscasiu, Ovidiu Stan, Alexandra Fanca, Claudiu Domuta, Honoriu Valean, Liviu Miclea, "An Explainable Federated Learning Solution for Breast Cancer Classification using SHAP and LIME." *2025 International Conference on Electrical and Computer Engineering Researches (ICECER)*, Antananarivo, Madagascar, 2025, pp. 1-6, doi: 10.1109/ICECER65523.2025.11401283.
6. M. Misaros, A. Stan, D. Gota, O. Stan, H. Valean and L. Miclea, "Reliability Study and Implementation of a Smart Fire Installation with IoT Technology," *2025 International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA)*, Antalya, Turkiye, 2025, pp. 1-5, doi: 10.1109/ACDSA65407.2025.11166557.
7. M. Misaros, O. Stan, D. Gota, A. Stan, H. Valean and L. Miclea, "Evaluating Advanced Driver Assistance Systems: A Reliability and Performance Analysis," *2025 International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA)*, Antalya, Turkiye, 2025, pp. 1-6, doi: 10.1109/ACDSA65407.2025.11166391
8. D. Gota, M. Misaros, Bogdan.Draghici, O. Stan and L. Miclea, "Behavioural cloning for autonomous machine modelling based on neural networks," *2025 International Conference on Electrical and Computer Engineering Researches (ICECER)*, Antananarivo, Madagascar, 2025, pp. 1-7, doi: 10.1109/ICECER65523.2025.11401236
9. Misaros, Marius, Liviu Miclea, Dan Ioan Gota, Anca Stan, Ovidiu-Petru Stan, and Szilard Enyedi. 2026. Reliability Calculation for Paper Robots, Case Study: Assistive Robot with Human., ICECC 2025 Fukuoka 89–101. doi:10.1007/978-981-95-2820-2\_8.
10. Gota, Dan, Marius Misaros, Ovidiu Stan, Szilard Enyedi, Iulia Stefan, Daniela Niste, Anca Stan, and Liviu Miclea. 2026. GAN for High Performance Video Frame Interpolation., ICECC 2025 Fukuoka, 405–418. doi:10.1007/978-981-95-2820-2\_31.
11. Enyedi, Szilárd, Cosmin-Alexandru Deac, Liviu Miclea, Ovidiu-Petru Stan, Dan Ioan Gota, and Marius Misaros. 2026. A Reliability and Performance Study of Neural Networks on Resource-Constrained Platforms., ICECC 2025 Fukuoka, 39–50. doi:10.1007/978-981-95-2820-2\_4.
12. M. Misaros, D. I. Gota, D. F. Niste, A. Stan, A. Ciobotaru and L. Miclea, "Mastering Rocket League with Reinforcement Learning A Proximal Policy Optimization Approach," *2024 4th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Male, Maldives, 2024, pp. 1-6, doi: 10.1109/ICECCME62383.2024.10796434.
13. M. Misaros, D. L. Gota, O. -P. Stan, C. Domuta, H. Valean and L. Miclea, "Target Object Selection Scenario Classification in Adaptive Cruise Control Systems," *2024 4th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Male, Maldives, 2024, pp. 1-8, doi: 10.1109/ICECCME62383.2024.10796495.
14. M. Misaros, D. I. Gota, O. -P. Stan and L. Miclea, "Reliability Assessment of a Hardware Device. A Use Case Study of a Text-to-Braille Translator," *2024 International Conference on Electrical and Computer Engineering Researches (ICECER)*, Gaborone, Botswana, 2024, pp. 1-6, doi: 10.1109/ICECER62944.2024.10920461
15. D. I. Gota, M. Misaros, O. -P. Stan and L. Miclea, "Optimizing Indoor Plant Care: Monitoring Systems and Reliability Assessment," *2024 International Conference on Electrical and Computer Engineering Researches (ICECER)*, Gaborone, Botswana, 2024, pp. 1-6, doi: 10.1109/ICECER62944.2024.10920424

16. M. Misaros, D. I. Gota, V. Muresan and L. Miclea, "Pit Detection Using Convolutional Neural Networks," *2024 International Conference on Electrical and Computer Engineering Researches (ICECER)*, Gaborone, Botswana, 2024, pp. 1-5, doi: 10.1109/ICECER62944.2024.10920401.
17. Marius Misaros, Clément Robier, Ovidiu-Petru Stan, Szilárd Enyedi, Anca Stan, Dan Ioan Gota, Liviu Miclea "Case Study on an Experimental Autonomous Vehicle and Evaluation of its System Reliability," *2024 4th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Male, Maldives, 2024, pp. 1-6, doi: 10.1109/ICECCME62383.2024.10796058.
18. D. I. Gota, M. Misaros, D. F. Niste, A. Pop, A. Fanca and L. Miclea, "Drone Controlled by Hand Gestures," *2024 4th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Male, Maldives, 2024, pp. 1-7, doi: 10.1109/ICECCME62383.2024.10796890.
19. Oliver-Grigorie Cosma, Dan Gota, Alexandru Ciobotaru, Marius Misaros, Ovidiu Stan, Honoriu Valean, Liviu Miclea., "End-to-End Deep Learning based Emotion Classification Solution using ResNet-50 Model," *2024 International Conference on Electrical, Computer and Energy Technologies (ICECET)*, Sydney, Australia, 2024, pp. 1-6, doi: 10.1109/ICECET61485.2024.10698301.
20. Ionica, D., Ioan, G.D., Stan, O. (2024). Posture Correction Device Based on IMU Sensors and CNN. In: *Innovations in Mechatronics Engineering III*. icieng 2024. Lecture Notes in Mechanical Engineering. Springer, Cham. [https://doi.org/10.1007/978-3-031-61575-7\\_25](https://doi.org/10.1007/978-3-031-61575-7_25)
21. A. Ciobotaru, D. Gota, T. Covrig and L. Miclea, "Reliable Breast Cancer Detection from Ultrasound Images using Image Segmentation," *2024 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2024, pp. 1-5, doi: 10.1109/AQTR61889.2024.10554200.
22. Maria Aurora Bota, Dan Ioan Gota, Peter Bota, Ovidiu Petru Stan, Adela Pop, Alexandra Fanca, Claudiu Domuta, Valean Honoriu, Liviu Miclea., "Utilizing Transfer Learning-Based Algorithms for Breast Ultrasound Data in Multi-Instance Classification," *2024 International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA)*, Victoria, Seychelles, 2024, pp. 1-6, doi: 10.1109/ACDSA59508.2024.10467704.
23. Oliver-Grigorie Cosma, Claudiu Domuta, Dan Gota, Ovidiu Stan, Alexandra Fanca, Adela Pop, Honoriu Valean, Liviu Miclea, "Automatic Music Generation Using Machine Learning," *2023 International Conference on Electrical, Computer and Energy Technologies (ICECET)*, Cape Town, South Africa, 2023, pp. 1-9, doi: 10.1109/ICECET58911.2023.10389273.
24. R. -V. Panța, I. Ștefan, A. Fanca, D. Goța, H. Vălean and A. Pop, "Innovation through Green-Energy Footwear and Piezoelectric Harvesting System," *2023 27th International Conference on System Theory, Control and Computing (ICSTCC)*, Timisoara, Romania, 2023, pp. 511-516, doi: 10.1109/ICSTCC59206.2023.10308469.
25. Maria Aurora Bota, Alexandru Ciobotaru, Peter Bota, Dan Ioan Gota, Iulia Adina Stefan, Honoriu Valean, Liviu Miclea., "Standardized Transfer Learning Models Enhance Classification of Breast Ultrasound Data," *2023 27th International Conference on System Theory, Control and Computing (ICSTCC)*, Timisoara, Romania, 2023, pp. 434-439, doi: 10.1109/ICSTCC59206.2023.10308460.
26. D. Crisan and D. I. Gota, "The First-Digit Law application in digital forensics in crystal forgery research," *2023 3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Tenerife, Canary Islands, Spain, 2023, pp. 1-7, doi: 10.1109/ICECCME57830.2023.10253354.
27. Alexandru Ciobotaru, Dan Ioan Gota, Adela Puscasiu, Ovidiu Stan, Alexandra Fanca, Claudiu Domuta, Honoriu Valean, Liviu Miclea, "Comparing Deep Learning and Genetic Algorithms Techniques for Age and Gender Classification," *2023 3rd International Conference on Electrical, Computer, Communications and*

- Mechatronics Engineering (ICECCME)*, Tenerife, Canary Islands, Spain, 2023, pp. 1-6, doi: 10.1109/ICECCME57830.2023.10253422.
28. A. Fanca, A. Pop, A. Badistru, D. I. Gota and H. Valean, "Healthy nutrition smartphone app with personalized recommendations," *2022 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Maldives, Maldives, 2022, pp. 1-7, doi: 10.1109/ICECCME55909.2022.9988326.
  29. Adela Pop, Alexandra Fanca, Honoriu Valean, Dan-Ioan Gota, Ovidiu Stan, Marius Nicolae Roman, Iulia Clitan, Vlad Muresan. (2024). eHealth Mobile Application Using Fitbit Smartwatch. In: Vlad, S., Roman, N.M. (eds) 8th International Conference on Advancements of Medicine and Health Care Through Technology. MEDITECH 2022. IFMBE Proceedings, vol 102. Springer, Cham. [https://doi.org/10.1007/978-3-031-51120-2\\_13](https://doi.org/10.1007/978-3-031-51120-2_13)
  30. Ciobotaru, Alexandru; Gota, Dan; Puscasiu, Adela; Stan, Ovidiu P; Fanca, Alexandra; Domuta, Claudiu; Valean, Honoriu; Miclea, Liviu, "Demographic Attributes Classification via Convolutional Neural Networks: A Proposed Solution," *2022 International Conference on Electrical, Computer and Energy Technologies (ICECET)*, Prague, Czech Republic, 2022, pp. 1-6, doi: 10.1109/ICECET55527.2022.9872818.
  31. A. P. Puscasiu, A. Fanca, D. I. Gota, H. Valean and L. Miclea, "DISTRIBUTED SYSTEM FOR MONITORING ENVIRONMENTAL CONDITIONS using IoT," *2022 International Conference on Electrical, Computer and Energy Technologies (ICECET)*, Prague, Czech Republic, 2022, pp. 1-6, doi: 10.1109/ICECET55527.2022.9873459.
  32. Dan Gota, Christian Siman, Alexandra Fanca, Adela Pop Puscasiu, Ovidiu Stan, Honoriu Valean, Liviu Miclea, "Hand Gesture Recognition and Infrared Information System," *2022 23rd International Carpathian Control Conference (ICCC)*, Sinaia, Romania, 2022, pp. 113-118, doi: 10.1109/ICCC54292.2022.9805963.
  33. A. Fanca, A. Pop Puscasiu, D. Ioan Gota and H. Valean, "Daily activities monitoring system using the mobile terminal," *2022 23rd International Carpathian Control Conference (ICCC)*, Sinaia, Romania, 2022, pp. 119-124, doi: 10.1109/ICCC54292.2022.9805886.
  34. G. Dan *et al.*, "Multi-Channel Chatbot and Robotic Process Automation," *2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2022, pp. 1-6, doi: 10.1109/AQTR55203.2022.9801960.
  35. G. Dan *et al.*, "Gaze Analysis and Concentration Monitoring for Children With Attention Disorder Using Eye-Tracking," *2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2022, pp. 1-6, doi: 10.1109/AQTR55203.2022.9802014.
  36. Alexandra Fanca, Adela Pop Puscasiu, Dan Ioan Gota, Flavius Mădălin Giurgiu, Maria Magdalena Santa, Honoriu Valean, Claudiu Domuta, Liviu Miclea, "Romanian Coins Recognition and Sum Counting System From Image Using TensorFlow and Keras," *2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2022, pp. 1-7, doi: 10.1109/AQTR55203.2022.9802068.
  37. A. Fanca, A. Puscasiu, D. -I. Gota and H. Valean, "Recommendation Systems with Machine Learning," *2020 21th International Carpathian Control Conference (ICCC)*, High Tatras, Slovakia, 2020, pp. 1-6, doi: 10.1109/ICCC49264.2020.9257290.
  38. 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," *2021 International Conference on Electrical, Computer and Energy Technologies (ICECET)*, Cape Town, South Africa, 2021, pp. 1-6, doi: 10.1109/ICECET52533.2021.9698811.

39. D. -I. Gota *et al.*, "Monitoring system for Android devices sensor performance," *2021 25th International Conference on System Theory, Control and Computing (ICSTCC)*, Iasi, Romania, 2021, pp. 461-466, doi: 10.1109/ICSTCC52150.2021.9607059.
40. Adela Puscasiu, Alexandra Fanca, Dan-Ioan Gota, Claudiu Domuta, Honoriu Valean, Ovidiu Stan, Liviu Miclea, "Data transmission and remote control of Android mobile devices," *2021 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, Mauritius, Mauritius, 2021, pp. 1-6, doi: 10.1109/ICECCME52200.2021.9590902.
41. A. Fanca, A. Puscasiu, P. Detesan, D. -I. Gota, H. Valean and L. Miclea, "Monitoring System For Quarantined Persons," *2021 25th International Conference on System Theory, Control and Computing (ICSTCC)*, Iasi, Romania, 2021, pp. 455-460, doi: 10.1109/ICSTCC52150.2021.9607309.
42. D. -I. Gota, A. Puscasiu, A. Fanca, H. Valean and L. Miclea, "Threat Objects Detection in Airport using Machine Learning," *2020 21th International Carpathian Control Conference (ICCC)*, High Tatras, Slovakia, 2020, pp. 1-6, doi: 10.1109/ICCC49264.2020.9257293.
43. L. Gota, D. Gota and L. Miclea, "Continuous Integration in Automation Testing," *2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2020, pp. 1-6, doi: 10.1109/AQTR49680.2020.9129990.
44. D. -I. Gota, A. Puscasiu, A. Fanca, L. Miclea and H. Valean, "Smart home automation system using Arduino microcontrollers," *2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2020, pp. 1-7, doi: 10.1109/AQTR49680.2020.9129989.
45. D. Gota, A. Puscasiu, A. Fanca, H. Valean and L. Miclea, "Human-Computer Interaction using hand gestures," *2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2020, pp. 1-5, doi: 10.1109/AQTR49680.2020.9130016
46. A. Puscasiu, A. Fanca, D. Gota and H. Valean, "Automated image captioning," *2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2020, pp. 1-6, doi: 10.1109/AQTR49680.2020.9129930
47. A. Puscasiu, A. Fanca, D. Gota and H. Valean, "Data mining for identifying trends in markets," *2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Cluj-Napoca, Romania, 2020, pp. 1-6, doi: 10.1109/AQTR49680.2020.9130020.
48. Adela Puscasiu, Alexandra Fanca, Honoriu Valean, Dan-Ioan Gota, Ovidiu Stan, Nicolae Roman, Iulia Clitan, and Vlad Muresan (2022). Indoor Air Quality Monitoring System for Healthcare Facilities. In: Vlad, S., Roman, N.M. (eds) *7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020. IFMBE Proceedings*, vol 88. Springer, Cham. [https://doi.org/10.1007/978-3-030-93564-1\\_44](https://doi.org/10.1007/978-3-030-93564-1_44)
49. A. Fanca, A. Puscasiu, D. -I. Gota and H. Valean, "Evaluating Data Accuracy of Built-In Smartphone Sensors for Mobile Applications," *2018 26th Telecommunications Forum (TELFOR)*, Belgrade, Serbia, 2018, pp. 1-4, doi: 10.1109/TELFOR.2018.8611941.
50. A. Puscasiu, A. Fanca, D. -I. Gota and H. Valean, "Cooperative traffic control based on greenhouse gases footprint minimization," *2019 20th International Carpathian Control Conference (ICCC)*, Krakow-Wieliczka, Poland, 2019, pp. 1-6, doi: 10.1109/CarpathianCC.2019.8766020.
51. D. -I. Gota, A. Fanca, A. Puscasiu, H. Valean and L. Miclea, "Driving Evaluation Based on Acceleration, Speed and Road Signs," *2019 23rd International Conference on System Theory, Control and Computing (ICSTCC)*, Sinaia, Romania, 2019, pp. 554-559, doi: 10.1109/ICSTCC.2019.8885678.

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55. Dan Gota, Claudiu Domuta, Liviu Miclea, Design and control of smart hybrid renewable energy systems using modified genetic algorithms and direct design control, *Asia-Pacific Power and Energy Engineering Conference – APPEEC 2012*, Shanghai, China, March 27-29, 2012, IEEE Xplore DOI: 10.1109/APPEEC.2012.6306937
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57. Dan Gota; C. Vigu; O. Capatana, A power consumption optimization method for a hybrid renewable energy making system, *2010 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Year: 2010, Volume: 3, Pages: 1 – 4, DOI: 10.1109/AQTR.2010.5520773.
58. C. Vigu; Dan Gota; D. Capatana, Improving estimation algorithms based on field data for a hybrid energy system, *2010 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, Year: 2010, Volume: 3, Pages: 1 – 4, DOI: 10.1109/AQTR.2010.5520762.
59. Dan Gota; D. Petreus; L. Miclea, “Wind farms modeling files transformation”, *2010 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics - AQTR*, Cluj-Napoca, Romania, May 28-30 2010, Tome III, pp. 249-254, IEEE Xplore DOI: 10.1109/AQTR.2010.5520739

#### C.4 Articole indexate BDI

1. **Dan Gota**, L. Miclea, I. Stoian, „Monitoring and Control System of General Services in a Hydroelectric Power Plant Using the GSM/GPRS Network”, *Journal of Automation, Computers, Applied Mathematics*, vol 18 (2009) nr. 3, ISSN 1221-437X, pp. 326-330 (revista indexata BDI-MR si recunoscuta CNCSIS B+).
2. Ćosić, Boris ; Maršić, Tomislav ; Krajačić, Goran ; Markovska, Natasa ; Batas Bjelić, Ilija, **Gota, Dan-Ioan** ; Hasović, Zihinja ; Rajaković, Nikola ; Duić, Neven The Effect of Regionally Integrated Energy Systems on CO2 Emissions Reduction and Wind Integration: the Case of South East Europe // *Conference Proceedings of 6th International conference on sustainable Energy and Environmental Protection*. Maribor, 2013. str. 161-169

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**Semnătura:**

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