

LISTA DE LUCRĂRI
a cadrului didactic STIRBU COSMIN

A. Teza de doctorat

Modele de diagnoză a defectelor sistemelor electronice bazate pe rețele neuronale, Universitatea din Pitești, Inginerie Electronică și Telecomunicații, Calculatoare, tehnologia informației, 2009

B. Cărți și capitole în cărți publicate în perioada 2011 - 2022

B5. Manuale didactice, suport de curs

1. Știrbu Cosmin, *Sisteme distribuite. Note de curs*, Note de curs, Calculatoare anul IV. - format electronic, 2021
2. Știrbu Cosmin, *Programarea obiect-orientată. Note de curs*, Note de curs, EA,RSTc anul II - format electronic, 2021

B6. Îndrumare de laborator, culegere de probleme

1. Știrbu Cosmin, Oproescu Mihai, *Sisteme de intrare - iesire. Lucrări de laborator*, Sisteme de intrare - iesire. Lucrări de laborator, CIII - format electronic, 2019
2. Știrbu Cosmin, Ene Alexandru, *Rețele neuronale. Lucrări de laborator*, Rețele neuronale. Lucrări de laborator. CIV - format electronic, 2019
3. STIRBU COSMIN, *Sisteme distribuite. Lucrări de laborator*, Sisteme distribuite. Lucrări de laborator. CIV - format electronic, 2021
4. STIRBU COSMIN, *Programarea obiect-orientată. Lucrări de laborator*, Programarea obiect-orientată. Lucrări de laborator. - format electronic, 2021

C. Lucrări (articole) ISI / BDI publicate în perioada 2011 - 2022

C2. Articole în volume indexate ISI Proceedings

1. Cosmin Știrbu, C-tin Anton, Luminița Știrbu, R.V. Badea, *Improved by prediction of the PFMEA using the artificial neural networks in the electrical industry*, AE2011 (2011 International Conference on Applied Electronics, 16th year, Pilsen, 7 - 8 September 2011), volume of conference, volumul conferinței, pp 363-366, 2011WOS:000305136600080, 2011
2. Alexandru Ene, Cosmin Știrbu, *Weights set selection method for feed forward neural networks*, ECAI 2013 (International Conference – 5th Edition Electronics, Computers and Artificial Intelligence, Pitești, ROMÂNIA, 27 June -29 June 2013), Volume 4: Software &AI, volumul 4, pp. 45-48, 2013WOS:000343672500017, 2013, (TC_7_2013_DECIE, TC_7_2013_DECIE)
3. Petre Angheliescu, Cosmin Știrbu, *Cellular Automata Based Algorithm for Image Density Classification Task*, ECAI 2014 (International Conference – 6th Edition Electronics, Computers and Artificial Intelligence Bucharest, Romania, 23 October -25 October 2014), Volume 3, volumul 3, pp 5-8, 2014WOS:000380489500057, 2014, (TC_9_2014_DECIE, TC_9_2014_DECIE)
4. Alexandru Ene, Cosmin Știrbu, *A Java application for the selection of a weights file for a two hidden layers feed forward neural network*, ECAI 2014 (International Conference – 6th Edition Electronics, Computers and Artificial Intelligence Bucharest, Romania, 23 October -25 October 2014), Volume 3, volumul 3, pp 9-12, 2014WOS:000380489500059, 2014, (TC_7_2014_DECIE, TC_7_2014_DECIE)
5. F. M. Enescu, Cosmin Știrbu C, A.I. Liță, *Image search algorithms. Visual processing and query databases after the color descriptor*, ECAI 2015 (International Conference – 7th Edition, Electronics, Computers and, Artificial Intelligence, Bucharest, ROMÂNIA, 25 June -27 June 2015), Volume 1, volumul 1, P35-P40, 2015WOS:000370971100113, 2015, (TC_6_2015_DECIE, TC_6_2015_DECIE)
6. Alexandru. Ene, Cosmin Știrbu, *A Java simulation software for the study of the effects of the short-circuit faults in a feed forward neural network*, ECAI 2015 (International Conference – 7th Edition,

Electronics, Computers and, Artificial Intelligence, Bucharest, ROMÂNIA, 25 June -27 June 2015), Volume 1, volumul 1, S53-S56, 2015WOS:000370971100026, 2015, (TC_7_2015_DECIE, TC_7_2015_DECIE)

7. Valeriu Manuel Ionescu, Cosmin Stirbu, Florentina Magda Enescu, *Using the Phone's Light Sensor to Detect the TV Video Stream*, International Joint Conference SOCO'16-CISIS'16-ICEUTE'16: San Sebastián, Spain edited by Manuel Graña, José Manuel López-Guede, Oier Etxaniz, Álvaro Herrero, Héctor Quintián, Emilio Corchado Springer:ISBN 978-3-319-47363-5 (Book)ISBN 978-3-319-47364-2 (eBook)ICEUTE2016, (7th International Conference on European Transnational Education ICEUTE 2016, San Sebastian, Spain, 19th – 21st October, 2016), pp. 785-794, (BDI SPRINGER), 2016WOS:000405330000078, 2016, (TC_6_2016_DECIE, TC_2_2016_DECIE, TC_6_2016_DECIE, TC_2_2016_DECIE)

8. Luminița Știrbu, Cosmin Știrbu, Nadia Belu, Viorel Nicolae, *Key characteristics of the World Class Manufacturing concept in the production of chassis for buses industry*, CONAT 2016 International Congress of Automotive and Transport Engineering edited by Anghel Chiru, Nicolae Ispas Springer:ISBN: 978-3-319-45446-7 (Book)ISBN: 978-3-319-45447-4 (eBook) CONAT2016 (International CONgress of Automotive and Transport Engineering The 2016 International SIAR Congress, Brașov, Romania, 26 – 29 October 2016), pp. 585-591, (ISI WEB), 2016, WOS:000390821400064, 2016, (TC_9_2016_DECIE, TC_2_2016_DECIE, TC_9_2016_DECIE, TC_2_2016_DECIE)

9. Florentina-Magda Enescu, Cosmin Știrbu, Valeriu Ionescu, *SCADA network system for the monitoring and control of an electrical installation supplied by a hydro-generator*, International Joint Conference SOCO'16-CISIS'16-ICEUTE'16: San Sebastián, Spain edited by Manuel Graña, José Manuel López-Guede, Oier Etxaniz, Álvaro Herrero, Héctor Quintián, Emilio Corchado Springer:ISBN 978-3-319-47363-5 (Book)ISBN 978-3-319-47364-2 (eBook) SCADA network system for the monitoring and control of an electrical installation supplied by a hydro-generator, SOCO2016 (11th International Conference on Soft Computing Models in Industrial and Environmental Applications, SAN SEBASTIAN, SPAIN, 19th – 21st October 2016), pp. 156-166, (BDI SPRINGER), 2016WOS: 000405330000016, 2016, (TC_9_2016_DECIE, TC_2_2016_DECIE)

10. Ene Alexandru, Stirbu Cosmin, *A Java application for the failure rate prediction using feed forward neural networks*, ECAI 2016 - International Conference – 8th Edition, Electronics, Computers and, Artificial Intelligence, 30 June -02 July, 2016, Ploiesti, ROMÂNIA, Volume 8, P159-P162, WOS:000402541200133., 2016, (TC_7_2016_DECIE, TC_7_2016_DECIE)

11. Daniel-Constantin Anghel, A Ene, Cosmin Stirbu, Gina Sicoe, *A neural networks application for the study of the influence of transport conditions on the working performance*, The International Congress of Automotive and Road Transport Engineering, CAR2017, 8-10 November 2017, Pitesti, ROMANIA WOS:000419817200043, 2017, (TC_11_2017_DECIE, TC_11_2017_DECIE)

12. Alexandru Nitu, Cosmin Stirbu, Alexandru Ene, Florentina Magda Enescu, *Traffic management system*, Traffic management system, ECAI 2017, INTERNATIONAL CONFERENCE, 9th Edition Electronics, Computers and Artificial Intelligence, June 29– July 01, 2017, Targoviste, ROMANIA, DOI: 10.1109/ECAI.2017.8166438 WOS: 000425865900054, 2017, (TC_10_2017_DECIE)

13. Florentina Magda Enescu, Cicerone Marinescu, Valeriu Manuel Ionescu, Cosmin Știrbu, *System for monitoring and controlling renewable energy sources*, System for monitoring and controlling renewable energy sources, ECAI 2017, INTERNATIONAL CONFERENCE, 9th Edition Electronics, Computers and Artificial Intelligence, June 29– July 01, 2017, Targoviste, ROMANIA, DOI: 10.1109/ECAI.2017.8166443 WOS: 000425865900059, 2017, (TC_10_2017_DECIE)

14. Alexandru Nitu, Cosmin Stirbu, Florentina Magda Enescu, *Mobile application for a smart city*, ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28 June -30 June, 2018, Iasi, ROMÂNIA, 2018, (TC_10_2018_DECIE)

15. Florentina Magda Enescu, Nicu Bizon, Andrei Cirstea, Cosmin Stirbu, *Blockchain Technology Applied in Health. The Study of Blockchain Application in the Health System (I)*, ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28 June -30 June, 2018, Iasi, ROMÂNIA, 2018, (TC_10_2018_DECIE)

16. Andrei Cirstea, Florentina Magda Enescu, Nicu Bizon, Cosmin Stirbu, Valeriu Manuel Ionescu, *Blockchain Technology Applied in Health. The Study of Blockchain Application in the Health System (II)*, ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28 June -30 June, 2018, Iasi, ROMÂNIA, 2018, (TC_10_2018_DECIE)

17. Alexandru Ene, Cosmin Stirbu, *A neural network application for the estimation of the probability of leaving a working place*, The 23rd edition of IManEE 2019 International Conference May 22 – 24, 2019 Pitesti, Romania, 2019, (TC_11_2019_DECIE)
18. Elena Luminita Stirbu, Cosmin Stirbu, *How to establish in the bus industry QMS Statistical Process Control according to IATF 16949*, The 23rd edition of IManEE 2019 International Conference May 22 – 24, 2019 Pitesti, Romania, 2019, (TC_12_2019_DECIE)
19. Alexandru Ene, Cosmin Stirbu, *The estimation of monthly electrical energy consumption with feed forward neural networks*, ECAI 2019 INTERNATIONAL CONFERENCE 11th Edition Electronics, Computers and Artificial Intelligence 27 June-29 June 2019 Pitesti, ROMANIA, Conference Record Number: #46879XBook of Abstracts Vol.11- No. 1/2019 ISSN 1843-2115, 2019, (TC_11_2019_DECIE)
20. Alexandru Ene, Cosmin Stirbu, *Automatic generation of quizzes for Java programming language*, ECAI 2019 INTERNATIONAL CONFERENCE 11th Edition Electronics, Computers and Artificial Intelligence 27 June-29 June 2019 Pitesti, ROMANIA, Conference Record Number: #46879XBook of Abstracts Vol.11- No. 1/2019 ISSN 1843-2115, 2019, (TC_12_2019_DECIE)
21. Florentina Magda Enescu, Nicu Bizon, Cosmin Stirbu, *Smart Energy Grids used in irrigation systems using the blockchain applications*, ECAI 2019 INTERNATIONAL CONFERENCE 11th Edition Electronics, Computers and Artificial Intelligence 27 June-29 June 2019 Pitesti, ROMANIA, Conference Record Number: #46879XBook of Abstracts Vol.11- No. 1/2019 ISSN 1843-2115, 2019, (TC_12_2019_DECIE)
22. Alexandru Ene, Cosmin Stirbu, *Automatic generation of quizzes for C programming language*, ECAI 2020, INTERNATIONAL CONFERENCE, 12th Edition, Electronics, Computers and Artificial Intelligence, 25 June-27 June 2020, Bucharest, ROMANIA, 2020, (TC_11_2020_DECIE)

C3. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. Cosmin Știrbu, L. Știrbu, *Mentenanța predictivă bazată pe utilizarea rețelelor neuronale artificiale*, Calitatea acces la succes, (Revista Calitatea acces la succes, București, 2011), anul 12, nr. 2, pg. 47-52, (BDI SCOPUS), 2011 <https://www.scopus.com/authid/detail.uri?authorId=37082093600>, 2011
2. C-tin Anton, Cosmin Știrbu, R.V. Badea, *Automatic hand writer identification using the feed forward neural networks*, World Congress on Internet Security, WorldCIS-2011, 2011, Article number 5749871, Pages 290-293, World Congress on Internet Security, WorldCIS-2011; London; United Kingdom; 21 February 2011 through 23 February 2011; Category number CFP1163L-ART; Code 84784 Indexare IEE Xplore: <http://ieeexplore.ieee.org/document/5749871/Indexare> SCOPUS Indexare DBLP <https://dblp.org/pers/hd/s/Stirbu:Cosmin>, 2011
3. C-tin Anton, Cosmin Știrbu, R.V. Badea, *Identify Handwriting Individually Using Feed Forward Neural Networks*, International Journal of Intelligent Computing Research (IJICR), Volume 2, Issue 4, pp.169-174, 2011 (indexata Google Academic) https://scholar.google.ro/scholar?q=Stirbu%2C+Cosmin&btnG=&hl=ro&as_sdt=0%2C5, 2011
4. Alexandru Ene, Cosmin Știrbu, *A C language application for obtaining an increased fault tolerance for MLP neural networks*, University of Pitesti Scientific Bulletin (Series: Electronics and Computers Science, Pitesti, 2013), Vol. 13, Issue 2, pg. 13-16, (BDI Copernicus), 2013, 2013, (TC_7_2013_DECIE, TC_7_2013_DECIE)
5. Cosmin Știrbu, Petre Angheliescu, *Distributed system based on neural networks to faults diagnosis*, University of Pitesti Scientific Bulletin (Series: Electronics and Computers Science, Pitesti, 2014), Vol. 14, Issue 1, pg. 1-6, (BDI Copernicus), 2014, 2014, (TC_7_2014_DECIE, TC_7_2014_DECIE)
6. Carmen-Elena Petrea, Cosmin Știrbu, Florentina Enescu, *Software application for database management in a transport company*, University of Pitesti Scientific Bulletin (Series: Electronics and Computers Science, Pitesti, 2016), Vol. 16, Issue 2, pg. 1-6, (BDI Copernicus), 2016, 2016, (TC_6_2016_DECIE, TC_6_2016_DECIE)
7. Alexandru Ene, Cosmin Stirbu, *Natural gas consumption prediction with feed forward neural networks*, University of Pitesti Scientific Bulletin (Series: Electronics and Computers Science, Pitesti, 2016), Vol. 16, Issue 2, pg. 8-11, (BDI Copernicus), 2016, 2016, (TC_7_2016_DECIE, TC_7_2016_DECIE)
8. Arnold Konrad Siposs, Cosmin Știrbu, Florentina Enescu, *Software application for exploring a virtual solar system*, University of Pitesti Scientific Bulletin (Series: Electronics and Computers Science,

Pitești, 2016), Vol. 16, Issue 1, pg. 25-28, (BDI Copernicus), 2016, 2016, (TC_6_2016_DECIE, TC_6_2016_DECIE)

9. Elena-Georgiana Deaconu, Cosmin Știrbu, Florentina Enescu, *Software application for managing students admission to the university*, University of Pitești Scientific Bulletin (Series: Electronics and Computers Science, Pitești, 2016), Vol. 16, Issue 1, pg. 7-10, (BDI Copernicus), 2016, 2016, (TC_6_2016_DECIE, TC_6_2016_DECIE)

10. Valeriu Manuel Ionescu, Cosmin Știrbu, *Teaching Arduino programming at high school level*, University of Pitești Scientific Bulletin, Series: Electronics and Computers Science, 2017: Vol. 17, Issue 2, pg. 37-44, pISSN: 2344 – 2158, eISSN: 2344 – 2166 (ISSN–L 2344 – 2158)., 2017, (TC_13_2017_DECIE, TC_13_2017_DECIE)

11. Alexandru Ene, Cosmin Știrbu, *Java applications for English vocabulary learning*, 2022 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) 30 June 2022 - 01 July 2022, Ploiești, Romania, 2022, (TC_8_2022_DECIE) (IEEEExplore, DOI: 10.1109/ECAI54874.2022.9847484)

D. Lucrări (articole) publicate în perioada 2011 - 2022 în reviste și volume de conferințe cu referenți (neindexate)

D2. Articole în volumele manifestărilor științifice

1. Cosmin Știrbu, C-tin Anton, R.V. Badea, S. Brebeanu, *On the use of feed-forward neural network for Reed-Muller decoder*, ECAI 2011 (International Conference – 4th Edition Electronics, Computers and Artificial Intelligence, Pitești, ROMÂNIA, 30 June-2 July 2011), Volum: Software & AI, volumul 4, pp 17-20, 2011, 2011

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Cadrul didactic STIRBU COSMIN

Semnătura