

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

B2. Cărți și capitole în cărți de specialitate naționale ca autor (cu ISBN intern)

1. ALEXANDRU ENE, COSMIN ȘTIRBU, *TEHNICI DE PROGRAMARE PENTRU ELECTRONICĂ*, Ed. Univ. din Pitești, 2001, ISBN 973 – 8212 – 20 – 0, 2001
2. ALEXANDRU ENE, COSMIN ȘTIRBU, *TEHNICI DE PROGRAMARE PENTRU ELECTRONICĂ – Culegere de probleme*, Ed. TIP NASTE PITEȘTI, 2001, 90 pag, ISBN 973 – 972 – 6 – 5., 2001
3. Alexandru ENE, Cosmin ȘTIRBU, *PROGRAMAREA CALCULATOARELOR ȘI LIMBAJE DE PROGRAMARE. Teorie și aplicații*, Editura Universității din Pitești, 2005, ISBN 976-690-486-5, 2005
4. Alexandru Ene, Cosmin Știrbu, *100 de probleme rezolvate în JAVA*, Editura Universității din Pitești, ISBN 978-973-690-738-8, 2007, 2007
5. Alexandru Ene, Cosmin Știrbu, *Programare orientată pe obiecte. Teorie și aplicații în Java*, Editura Universității din Pitești, ISBN 978-973-690-845-3, 2008, 2008
6. Alexandru Ene, Cosmin Știrbu, *Rețele neuronale. Teorie și aplicații în Java*, Editura Universității din Pitești, ISBN 978-973-690-844-6, 2008, 2008

B5. Manuale didactice, suport de curs

1. Știrbu Cosmin, *Sisteme distribuite. Note de curs*, Note de curs, 2019, Calculatoare anul IV. - format electronic, 2019
2. Știrbu Cosmin, *Programarea obiect-orientată. Note de curs*, Note de curs, EA, RSTc anul II - format electronic, 2019

B6. Îndrumare de laborator, culegere de probleme

1. ALEXANDRU ENE, COSMIN ȘTIRBU, *PROGRAMAREA CALCULATOARELOR – TEORIE SI APLICATII DE LABORATOR*, Editura TIP NASTE, Pitesti, 2002, 2002
2. STIRBU COSMIN, *Sisteme distribuite. Lucrări de laborator*, Sisteme distribuite. Lucrări de laborator. CIV - format electronic, 2019
3. STIRBU COSMIN, *Programarea obiect-orientată. Lucrări de laborator*, Programarea obiect-orientată. Lucrări de laborator. - format electronic, 2019
4. Știrbu Cosmin, Oproescu Mihai, *Sisteme de intrare - iesire. Lucrări de laborator*, Sisteme de intrare - iesire. Lucrări de laborator, CIII - format electronic, 2019
5. Știrbu Cosmin, Ene Alexandru, *Rețele neuronale. Lucrări de laborator*, Rețele neuronale. Lucrări de laborator. CIV - format electronic, 2019

C. Lucrări (articole) ISI / BDI publicate

C2. Articole în volume indexate ISI Proceedings

1. M.A.Chiță, I. Sima, Cosmin Știrbu, C-tin Ghiță, *Opto-electronic system with optical fibres sensor for ionic concentration measurement into sanguine serum*, DAAAM2008 (The 2nd European DAAAM International Young Researchers and Scientists Conference, Slovak University of Technology, Trnava, Slovakia, 22-25th October 2008), Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, pp. 0229-0230, 2008WOS:000262860100123, 2008

2. 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
3. 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)
4. Petre Anghel, 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)
5. 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)
6. 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)
7. 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)
8. Valeriu Manuel Ionescu, Cosmin Știrbu, 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)
9. 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)
10. 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)
11. Ene Alexandru, Știrbu 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)
12. Daniel-Constantin Anghel, A Ene, Cosmin Știrbu, 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)

13. 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)

14. 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)

15. 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)

16. 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)

17. 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)

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

1. LE STIRBU, Cosmin STIRBU, MA CHITA, M ABRUDEANU, *Nanocrystalline barium titanate powder with applications in the field of electronic components*, Nanocrystalline barium titanate powder with applications in the field of electronic components, LE STIRBU, Cosmin STIRBU, MA CHITA, M ABRUDEANU Simpozionul Național de Electrotehnică Teoretică, SNET '05, București, 12-14 MAI 2005, pp. 109-113 (CD-ROM), ISBN: 973-618-268-5, indexat Google Scholar https://scholar.google.ro/scholar?start=10&q=Stirbu,+Cosmin&hl=ro&as_sdt=0,5,2005

2. 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

3. 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

4. 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

5. 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)

6. 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)

7. 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)

8. 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)
9. 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, Pitesti, 2016), Vol. 16, Issue 1, pg. 25-28, (BDI Copernicus), 2016, 2016, (TC_6_2016_DECIE, TC_6_2016_DECIE)
10. Elena-Georgiana Deaconu, Cosmin Știrbu, Florentina Enescu, *Software application for managing students admission to the university*, University of Pitesti Scientific Bulletin (Series: Electronics and Computers Science, Pitesti, 2016), Vol. 16, Issue 1, pg. 7-10, (BDI Copernicus), 2016, 2016, (TC_6_2016_DECIE, TC_6_2016_DECIE)
11. Valeriu Manuel Ionescu, Cosmin Stirbu, *Teaching Arduino programming at high school level*, University of Pitesti 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)
12. 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)
13. 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)
14. 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 2019Pitesti, ROMANIA,Conference Record Number: #46879XBook of AbstractsVol.11- No. 1/2019 ISSN 1843-2115, 2019, (TC_11_2019_DECIE)
15. 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 2019Pitesti, ROMANIA,Conference Record Number: #46879XBook of AbstractsVol.11- No. 1/2019 ISSN 1843-2115, 2019, (TC_12_2019_DECIE)
16. 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 2019Pitesti, ROMANIA,Conference Record Number: #46879XBook of AbstractsVol.11- No. 1/2019 ISSN 1843-2115, 2019, (TC_12_2019_DECIE)

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

D2. Articole în volumele manifestărilor științifice

1. C-tin Anton, Cosmin Știrbu, I. Tutănescu, S. Brebeanu, *Data traffic modelling at packet level*, NAV-MAR-EDU 2009 (Sectiunea INGINERIE ELECTRICA SI STIINTA CALCULATOARELOR, Constanta, Romania, 12-14 Noiembrie 2009), volumul conferintei, 2009, 2009
2. C-tin Anton, I. Sima, E. Sofron, I. Tutănescu, Cosmin Știrbu, *SR-ARQ System with BCH for data transmission*, ECAI 2009 (International Conference – 3rd Edition Electronics, Computers and Artificial Intelligence, Pitești, ROMÂNIA, 3-5 July 2009), Volume: Communications, Vol. 3, pp. 78-81, 2009, 2009
3. Cosmin Știrbu, C-tin Anton, E. Sofron, *Calculation of the equivalent reliability for the non decomposed systems using the graphs theory*, ECAI 2009 (International Conference – 3rd Edition Electronics, Computers and Artificial Intelligence, Pitești, ROMÂNIA, 3-5 July 2009), Volume: software & AI, Vol. 4, pp. 19-26, 2009, 2009
4. 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

F. Granturi / proiecte de cercetare

F2. Granturi / proiecte câștigate prin competiție națională

1. Știrbu Cosmin, și alții, *Analiza, organizarea și îmbunătățirea funcționării rețelei educaționale de calculatoare conectate la Internet*, MEMBRU contract "Analiza, organizarea și îmbunătățirea funcționării rețelei educaționale de calculatoare conectate la Internet", perioada de derulare: 2001-2002, Contract derulat prin Programul Național INFOSOC, Valoare contract: 200.000 RON, Ioan Liță (director de proiect), Membrii: Emil Sofron, Barbu Gheorghe, Serban Gheorghe, Ionita Silviu, Popa Ilie, Bizon Nicu, Raducu Marian, Bostan Ionel, Deaconu Laurentiu, Smaranda Florin, Daniel Alexandru Visan, Știrbu Cosmin, Mazare Alin, Cioc Ion Bogdan, Drila Gherghina, Smaranda Loredana, Contract de cercetare NR 26/26.10.2001 http://uefiscdi.gov.ro/userfiles/file/Programe%20finalizate/Infosoc%20final/PNCIDI-raport%20final%202006%2014_12_2006.doc, 2001

2. Știrbu Cosmin, și alții, *Dezvoltarea sistemului de management al calității în învățământul superior*, MEMBRU: Dezvoltarea sistemului de management al calității în învățământul superior Ministerul Educației și Cercetării, Program CALIST, Contract. Nr 3415/2002. (Responsabil partener UPIT: Emil Sofron) 2002-2004 Valoare: 5382.00, 2002

3. Cosmin Știrbu, și alții, *Retea virtuală IT&C pentru unități de învățământ și cercetare dispersate geografic - CERVIT*, MEMBRU, contract "Retea virtuală IT&C pentru unități de învățământ și cercetare dispersate geografic" – CERVIT 2008, perioada de derulare: 2008 - 2011, CNMP- Parteneriate în domeniile prioritare (PN CDI II), Valoare contract: 1.950.000 lei, Director proiect: Ștefan-Victor Nicolaescu, Ioan Lita (Responsabil Upit), Ion Bogdan (Responsabil UTI), Mariana Jurian, Gheorghe Barbu, Sofron Emil, Vișan Daniel Alexandru, Cioc Ion Bogdan, Bostan Ionel, Oprea Stefan, Logica Banica, Cosmin Știrbu, Buzdugan Viorica, Georgescu Cristian Mircea, Universitatea din Pitești., contract nr. 12-097/2008 http://www.inscc.ro/index.php?option=com_content&view=category&layout=blog&id=113&Itemid=495&lang=ro, 2008

F3. Contracte de cercetare cu mediul socio-economic

1. Alexandru Ene, Cosmin Știrbu, *Dezvoltarea unei aplicații software pentru un cabinet stomatologic*, 3098/17.03.2008, ISANET SOFTWARE SRL Pitești, MEMBRU/ 2008 (3700RON), 2008

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Cadrul didactic STIRBU COSMIN

Semnătura