

# LISTA LUCRĂRILOR

## a. Lucrări relevante

1. **Manuela PANOIU**, Caius PANOIU, Ioan ȘORA, Modelling the Electromagnetic Pollution of the Electric Arc Furnaces, Revue Roumain des Science Techniques et Electrotechniques, 2009, [Revista ISI](#)
2. **Manuela PANOIU**, Caius PANOIU, Raluca ROB, Anca IORDAN, Using LMS Algorithm for Controlling the Active Power of Nonlinear Loads, SPEEDAM 2010 International Symposium on Power Electronics, Electrical Drives, Automation and Motion, [indexare IEEXplore](#)
3. **Manuela PANOIU**, Caius PANOIU, Anca IORDAN, Loredana GHIORMEZ, Artificial neural networks in predicting current in electric arc furnaces, International Conference on Applied Sciences (ICAS2013), noiembrie 2013, Wuhan, China, [ISI Proceedings](#)
4. **Manuela PANOIU**, Caius PANOIU, Loredana Ghiormez, Modeling of the Electric Arc Behavior of the Electric Arc Furnace, 5<sup>th</sup> International Workshop on Soft Computing Applications, Szeged, Ungaria, aug. 2012, [ISI Proceedings](#)
5. **Manuela PANOIU**, Caius PANOIU, Sorin DEACONU, Study About the Possibility of Electrodes Motion Control in the EAF Based on Adaptive Impedance Control, 13th International Power Electronics and Motion Control Conference, EPE-PEMC 2008, [ISI Proceedings](#), [IEEXplore](#)
6. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Raluca Rob, Simulation of the Flicker Phenomenon Based On Modeling the Electric Arc, Wseas Transactions on Systems, 2008, Vol 7 nr. 10, 1132-1142, [Inspec](#), [ACM](#)
7. **Manuela PANOIU**, Caius PANOIU, Ioan SORA, Mihaela OSACI, About the Possibility of Power Controlling in the Three - Phase Electric Arc Furnaces Using PSCAD-EMTDC Simulation Program, Advances in Electrical and Computer Engineering, 2007, [Revista ISI](#)
8. **Manuela PANOIU**, Caius PANOIU, Mihaela Osaci, Ionel Muscalagiu, Simulation Result About Harmonics Filtering Using Measurement of Some Electrical Items in Electrical Installation On UHP EAF, Wseas Transactions on Circuits and Systems , 2008, Vol 7 nr. 1, 22-31, [Scopus](#), [Inspec](#), [ACM](#)
9. **Manuela PANOIU**, Caius PANOIU, Ioan SORA, Mihaela OSACI , Using a model based on linearization of the current – voltage characteristic for electric arc simulation, Proceedings of the 16th IASTED International Conference on Applied Simulation and Modelling, Palma De Mallorca, Spain, [ISI Proceedings](#)
10. **Manuela PANOIU**, Loredana GHIORMEZ, Caius PANOIU, Adaptive Neuro-Fuzzy System for Current Prediction in Electric Arc Furnaces, Advances in Intelligent Systems and Computing – Book series, vol 1 2016, Proceedings of the 6th International Workshop Soft Computing Applications (SOFA 2014), pag. 423-437, [SpringerLink](#), [ISI Proceedings](#)<sup>1</sup>

## b. Teza de doctorat

**Manuela PANOIU** – domeniul Inginerie Electrică, titlul tezei de doctorat: Simularea unor procese pe baza modelării instalației cuptorului trifazat cu arc electric și acțiune directă, Conducător științific: Prof. dr. ing. Ioan ȘORA. Confirmată prin Ordinul ministrului Educației Naționale nr. 5285 / 28.12.2001

---

<sup>1</sup> In curs de indexare

#### **d. Cărți și capitole în cărți**

1. **Manuela PANOIU**, Caius PANOIU, Modeling, Simulation and optimization. Capitol: Using Simulation to optimizing the power quality of nonlinear distorting loads, Editura IN-TECH, Viena, ISBN 978-953-7619-47-3, 2010, 26 pagini
2. Caius PANOIU, **Manuela PANOIU**, Modeling, Simulation and optimization, Capitol: Using adaptive filters in controlling of electrical resistance furnace temperature based on a real time identification method, Editura IN-TECH, Viena, ISBN 978-953-7619-47-3, 2010, 26 pagini
3. **Manuela PANOIU**, Caius PANOIU, Modelarea și simularea proceselor neliniare în electrotermie, Editura Mirton, Timișoara, ISBN 978-973-52-0378-8, 2008, 237 pagini
4. **Manuela PANOIU**, Ionel Muscalagiu, Caius PANOIU, Utilizarea și programarea calculatoarelor, Editura Mirton, Timișoara, ISBN 973-585-673-5, 2002, 267 pagini
5. **Manuela PANOIU**, Caius PANOIU, Bazele informaticii, Editura Mirton, Timișoara, ISBN 973-585-639-5, 2002, 173 pagini
6. **Manuela PANOIU**, Anca Iordan, Programare orientată pe obiect, Editura Politehnica Timisoara, ISBN 978-606-554-830-5, 2014, 201 pagini
7. RUSU-ANGHEL STELA, Caius PANOIU, **Manuela PANOIU**, Protecția liniei de contact și a echipamentelor conexe din transportul electric feroviar utilizând logica fuzzy, ISBN 978-973-52-0878-3, Editura Mirton, Timișoara, 2010, 249 pagini
8. Anca Iordan, **Manuela PANOIU**, Introducere în limbajul Prolog prin aplicații, Editura Politehnica Timisoara, ISBN 976-606-554-359-1, 2011, 202 pagini
9. Anca Iordan, **Manuela PANOIU**, Structuri de date și algoritmi. Aplicații propuse și rezolvate, Editura Politehnica Timișoara, ISBN 978-606-554-069-9, 2010, 231 pagini
10. Anca Iordan, **Manuela PANOIU**, Programarea avansată a interfețelor grafice utilizator, Editura Politehnica Timișoara, ISBN 978 - 606 - 554 - 732 -2, 2013, 305 pagini
11. Anca Iordan, **Manuela PANOIU**, Programare orientată pe obiect în C++, ISBN 978-973-52-0152-4, Editura Politehnica Timișoara, 2008, 206 pagini
12. Ionel Muscalagiu, Muscalagiu Diana, **Manuela PANOIU**, Culegere de probleme Pascal, Editura Mirton, Timișoara, ISBN 973-585-544-5, 2001, 110 pagini
13. Muscalagiu Diana, Ionel Muscalagiu, **Manuela PANOIU**, Culegere de probleme C, Editura Mirton, Timișoara, ISBN 973-585-556-9, 2001, 124 pagini

#### **e Articole în extenso publicate în reviste din fluxul științific internațional principal**

##### *e1. Articole în jurnale ISI*

1. Caius PANOIU, **Manuela PANOIU**, Ionel Muscalagiu, Anca Iordan, Visual Interactive Environment for Study Power Electronics, WOS:000281503800006, Computer Application in Engineering Education, 2010, Volume 18, Issue 3, pag. 469-475
2. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Modelling the Electromagnetic Pollution of the Electric Arc Furnaces, WOS:000268087200005, Revue Roumain Des Science Techniques-Serie Electrotechnique Et Energetique, 2009, 54, Issue 2, 165-174

3. Ionel Muscalagiu, Vidal J, Vladimir Cretu, Horia Emil POPA, **Manuela PANOIU**, Experimental Analysis of the Effects of Agent Synchronization in Asynchronous Search Algorithms, WOS:000261168200004, International Journal of Software Engineering and Knowledge Engineering , 2008, vol. 18, pag. 619-636
4. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Mihaela Osaci, About the Possibility of Power Controlling in the Three - Phase Electric Arc Furnaces Using PSCAD-EMTDC Simulation Program, WOS:000259841200009, Advances in Electrical and Computer Engineering, 2007, VOL 7 nr. 1 (27), 38-43
5. Mihaela Osaci, **Manuela PANOIU**, Heput Teodor, Ionel Muscalagiu, Numerical Stochastic Model for the Magnetic Relaxation Time of the Fine Particle System With Dipolar Interactions, WOS:000236678800005, Applied Mathematical Modelling, 2006, vol. 30, pag. 545-553
6. **Manuela PANOIU**, Caius PANOIU, Ionel Muscalagiu, Anca Iordan, An Interactive Learning Environment for Analyze Linked List Data Structures, WOS:000203014800059, International Journal of Computers, Communications and Control, 2006, vol. 7(14), pag. 38-43
7. Ionel Muscalagiu, Crețu Vladimir, **Manuela PANOIU**, Caius PANOIU, the Experimental Analysis of the Impact of the “Nogood Processor” Technique On the Efficiency of the Asynchronous Techniques, WOS:000203014800054, International Journal of Computers, Communications and Control, 2006, vol. 1, pag. 326-331
8. Anca Iordan, **Manuela PANOIU**, Multimedia Educational Software for Producing Graphs of Mathematical Functions , WOS:000203014800047, International Journal of Computers, Communications and Control, 2006, vol 1, pag. 284-289
9. Mihaela Osaci, **Manuela PANOIU**, Ionel Muscalagiu, Caius PANOIU , About a Simulation Method of the Magnetodielectrical Materials Properties At High Frequency Magnetic Fields, WOS:000183081400012, Elsevier Science B.V.,Computational Materials Science, 2003, vol. 27, pag. 523-528

## *e2. Articole în reviste indexate în alte baze de date internaționale*

10. **Manuela PANOIU**, Filippo Neri, Open research issues on Modeling, Simulation and Optimization in Electrical Systems, WSEAS Transactions on Systems, 2014, pag. 332-334, **Scopus**
11. Caius PANOIU, Raluca Rob, Ioan Baci, **Manuela PANOIU**, Shunt Active Filter Command Designed in Labview, International Journal of Circuits, Systems and Signal Processing, 2011, vol 5, issue 5, pag. 513 – 520, **Scopus**
12. Caius PANOIU, Raluca Rob, **Manuela PANOIU**, Popa Gabriel Nicolae, Active Power Influence On the Electrical Parameter of an Electro Thermal Installation With Electromagnetic Induction, Wseas Transactions on Power Systems, 2011, v6, nr 3, pag. 63-72, **Scopus, Inspec**
13. Raluca Rob, Sora Ioan, Caius PANOIU, **Manuela PANOIU**, The Influence of Static Contactor On the Thd Generated By Currents On a High Frequency Electro Thermal Installation With Electromagnetic Induction, Wseas Transactions on Power Systems, 2011, v6, nr 3, pag. 53-62, **Scopus, Inspec**
14. **Manuela PANOIU**, Ionel Muscalagiu, Caius PANOIU, Maria Raich , Educational Software for Study the Performances of Some Known Parallel Algorithms, Wseas Transactions on Information Science and Applications, 2010, v7, nr 10, pag. 1271-1283, **Scopus**
15. Ionel Muscalagiu, **Manuela PANOIU**, Diana Muscalagiu, Caius PANOIU, Implementation and Evaluation Methodology for the Asynchronous Search Techniques in Discsp-Netlogo, Wseas Transactions on Information Science and Applications, 2010, v7, nr 10, pag. 1261-1270, **Scopus**
16. Raluca Rob, Ioan Sora, Caius PANOIU, **Manuela PANOIU**, Harmonic Filters Influences Regarding the Power Quality On High Frequency Electrothermanl Installation With Electromagnetic Induction, Wseas Transactions on Systems, 2010, v9, nr. 1, pag. 72-81, **Scopus, Inspec, ACM**

17. **Manuela PANOIU**, Caius PANOIU, Loredana Ghiorghioni, Raluca Rob, Intelligent System Based On Dsp To Monitoring and Maintain Optimum Environmental Conditions in a Fir Saplings Tree Greenhouse, Wseas Transactions on Systems and Control, 2010, v5, nr 10, pag. 835-846, [Scopus](#), [Inspec](#), [ACM](#)
18. Anca Iordan, **Manuela PANOIU**, Ioan Baci, Corina Cuntan, Modelling Using Uml Diagrams of an Intelligent System for the Automatic Demonstration of Geometry Theorems, Wseas Transactions on Computers, 2010, v9, nr 9, pag. 835-846, [Scopus](#), [Inspec](#), [ACM](#)
19. Anca Iordan, **Manuela PANOIU**, Design Using Uml Diagrams of an Educational Informatics System for the Study of Computational Geometry Elements, Wseas Transactions on Computers, 2010, v9, nr 9, pag. 949-959, [Scopus](#), [Inspec](#), [ACM](#)
20. **Manuela PANOIU**, Anca Iordan, Caius PANOIU, Loredana Ghiorghioni, Educational Software for Teaching the Basics of Computer Science, Wseas Transactions on Advances in Engineering Education, 2009, Issue 12, Volume 6, pag. 960-970, [Inspec](#)
21. Anca Iordan, George Savii, **Manuela PANOIU**, Caius PANOIU, New Software for the Study of the Classic Surface From Differential Geometry, Lecture Notes in Electrical Engineering, 2009, Vol 1, pag. 463-472, [Scopus](#)
22. Cristian Abrudean, **Manuela PANOIU**, Algorithm for Optimal Dimensioning of Three Phase and Mono Phase Electric Power Lines Implemented in Java, Wseas Transactions on Computers, 2009, Vol 8 nr.2, pag. 248-257, [Scopus](#), [Inspec](#), [ACM](#)
23. Anca Iordan, George Savii, **Manuela PANOIU**, Caius PANOIU, Visual Interactive Environment for Doing Geometrical Constructions, Wseas Transactions on Computers, 2009, Vol 8 nr.2, pag. 258-268, [Scopus](#), [Inspec](#), [ACM](#)
24. **Manuela PANOIU**, Plenary Lecture: Variable Step Adaptive Algorithms in Controlling Industrial Distorted Loads, Proceedings of the 13th Wseas International Conference on Computers, Rodos, Greece, Iul 23-25, 2009, 23-25 iulie, [ACM](#)
25. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Anca Iordan, Study About the Process Control of an Electric Arc Furnace Using Simulations Based On an Adaptive Algorithm , Wseas Transactions on Information Science and Applications, 2008, Vol 5 nr. 11, pag. 1628-1637, [Scopus](#), [Inspec](#)
26. Anca Iordan, George Savii, **Manuela PANOIU**, Caius PANOIU, Multimedia Interactive Environment for Study the Plane Analytical Geometry, Wseas Transactions on Computers, 2008, Vol 7 nr. 10, pag. 1564-1573, [Scopus](#), [Inspec](#), [ACM](#)
27. Caius PANOIU, **Manuela PANOIU**, Liviu Toma, Raluca Rob, A Real-Time Identification Method of Slow Process Parameters Using Adaptive Iir-Oslms Filters, Wseas Transactions on Systems, 2008, Vol 7 nr. 10, pag. 1143-1154, [Inspec](#), [ACM](#)
28. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Raluca Rob, Simulation of the Flicker Phenomenon Based On Modeling the Electric Arc, Wseas Transactions on Systems, 2008, Vol 7 nr. 10, pag. 1132-1142, [Inspec](#), [ACM](#)
29. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Anca Iordan, Raluca Rob, Using Simulation for Study the Possibility of Canceling Load Unbalance of Non-Sinusoidal High Power Three-Phase Loads, Wseas Transactions on Systems , 2008, Vol 7 nr. 7, pag. 699-710, [Scopus](#), [Inspec](#)
30. **Manuela PANOIU**, Caius PANOIU, Mihaela Osaci, Ionel Muscalagiu, Simulation Result About Harmonics Filtering Using Measurement of Some Electrical Items in Electrical Installation On UHP EAF, Wseas Transactions on Circuits and Systems , 2008, Vol 7 nr. 1, pag. 22-31, [Scopus](#), [Inspec](#), [ACM](#)
31. Caius PANOIU, Ioan Baci, **Manuela PANOIU**, Corina Cuntan, Simulation Results On the Currents Harmonics Mitigation on the Railway Station Line Feed Using a Data Acquisition System, Wseas Transaction on Electronics, 2007, VOL 4 ( nr. 10), pag. 227-236, [Scopus](#), [ACM](#)
32. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Mihaela Osaci, Simulations Results On the Reactive Power Compensation Process on Electric Arc Furnace Using PSCAD-EMTDC, International Journal of Modeling, Identification and Control, 2007, vol 2 ( nr. 3), pag. 250 -257, [Scopus](#), [Inspec](#)
33. **Manuela PANOIU**, Caius PANOIU, Mihaela Osaci, Ionel Muscalagiu, Simulation Results for Modeling the AC Electric arc as Nonlinear Element Using PSCAD EMTDC, Wseas Transactions on Circuits and Systems, 2007, vol 6 (nr. 1), pag. 149-156, [Scopus](#), [Inspec](#)

34. Corina Cuntan Daniela, Ioan Baci, **Manuela PANOIU**, Popa Gabriel Nicolae, Digital Control Modes of the Semi-Controlled Three-Phased Rectifiers, Annals of Faculty Engineering Hunedoara - International Journal of Engineering, 2011, Tome IX, fasc 3, pag. 383-387, **B+**, [Google Scholar](#)
35. Oprean Alexandu, Duță Tatiana, **Manuela PANOIU**, Educational Software for Analysis of Parallel Algorithms Using Pram Model, Annals of Faculty Engineering Hunedoara - International Journal of Engineering, 2010, Tome VIII, fasc 3, pag. 125-128, **B+**, [Google Scholar](#)
36. Anca Iordan, **Manuela PANOIU**, Design of Sequence Diagrams For Implementation of a Dynamical Software for Doing Geometrical Constructions, Acta Technica Corviniensis - Bulletin of Engineering, 2008, Tome I, pag. 49 – 52, **B+**, [Google Scholar](#)
37. Ionel Muscalagiu, Diana Muscalagiu, Teodora Petras, **Manuela PANOIU**, Discsp-Netlogo-Educational Software Meant for the Implementation and Evaluation of the Asynchronous Search Techniques in Netlogo, Acta Technica Corviniensis - Bulletin of Engineering, 2009, Tome II/ Fasc I, pag. 13-20, **B+**, [Google Scholar](#)
38. Anca IORDAN, **Manuela PANOIU**, The Interactive Geometry Software Cinderella, Annals of Faculty of Engineering Hunedoara, 2007, V (3), pag. 15-21, **B+**, [Google Scholar](#)
39. Anca IORDAN, **Manuela PANOIU**, Dynamic Environments As Contexts For Conjecturing and Proving, Annals of Faculty of Engineering Hunedoara, 2007, V (3) pag. 7-13, **B+**, [Google Scholar](#)
40. Anca IORDAN, **Manuela PANOIU**, The Application of Stochastic Grammars For Generation of Fractals, Annals of Faculty of Engineering Hunedoara, 2006, Iv (1), pag. 133-144, **B+**, [Google Scholar](#)
41. **Manuela PANOIU**, Caius PANOIU, Șora Ioan, Experimental Research Concerning the Electromagnetic Pollution Generated By the 3-Phase Electric Arc Furnaces in the Electric Power Supply, Acta Electrotehnica, ISSN 1841-3323, Editura Mediamira, 2006, Vol 47 nr. 2, pag. 102-112, **B+**, [Google Scholar](#)
42. Baci Ioan, **Manuela PANOIU**, Caius PANOIU, Using Passive Filters for Current Harmonics Decrease on the Railway Systems Line Feed, Buletinul Institutului Politehnic Iasi, Seria Electrotehnică, Energetică, Electronică, 2004, Vol L1 Fasc. 5c, pag. 1107-1112, **B+**, [Google Scholar](#)
43. **Manuela PANOIU**, Caius PANOIU, Osaci Mihaela, A Comparison About Electric Arc Simulation Models, Transactions on Automatic Control and Computer Science, Timișoara, ISSN 1224-600x, 2004, Vol 49, Nr.63, **B+**, [Google Scholar](#)
44. Caius PANOIU, **Manuela PANOIU**, Cunțan Corina, Simulations of the Reactive Power Compensation System Functioning of the Alternative Current Machine with Variable Charge using PSCAD-EMTDC Program, Annals of the Faculty of Engineering Hunedoara, 2004, vol 2 Fasc. 2, **B+**, [Google Scholar](#)
45. Ionel MUSCALAGIU, **Manuela PANOIU**, Osaci Mihaela, on the Completeness of the Algorithms Distributed Within the Dcsp Modelling (Distributed Constraint Satisfaction Problem), Annals of the Faculty of Engineering Hunedoara, ISSN 1454 – 6531, 2004 , Tom II (2), pag. 177-185, **B+**, [Google Scholar](#)
46. Ionel MUSCALAGIU, Muscalagiu Diana, **Manuela PANOIU**, Anca IORDAN Educational Software Meant For the Implementation and Evaluation of the Asynchronous Techniques of the Abt Family, Created in Netlogo, Annals of the Faculty of Engineering Hunedoara, ISSN 1454 – 6531, 2004, Tom II (2), Pp.351-355, **B+**, [Google Scholar](#)
47. **Manuela PANOIU**, Caius PANOIU, I Sora, Experimental Research Concerning the Electromagnetic Pollution Generated By the 3-Phase Electric Arc Furnaces in the Electric Power Supply Networks, Acta Electrotehnica, 2006, vol. 2, pag. 102-112, **B+**, [Google Scholar](#)

**f Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate**

*f1. Articole în ISI Proceedings*

48. **Manuela Panoiu**, Rat Cezara, Panoiu Caius, Video streaming technologies using ActiveX and LabVIEW, International Conference on Applied Sciences 2014 (ICAS2014), oct 02-04, 2014, Vol. 85 , Art. No: 012023, WOS:000357864400023
49. Panoiu Caius, Raluca Rob, **Manuela Panoiu**, Microcontroller interrupts in frequency controlling, International Conference on Applied Sciences, 2014 (ICAS2014), oct 02-04, 2014, Vol. 85 , Art. No: 012022, WOS:000357864400022
50. Rob Raluca, Panoiu Caius, **Manuela Panoiu**, Study regarding the power quality improvement in functioning of nonlinear loads, International Conference on Applied Sciences, 2014 (ICAS2014), oct 02-04, 2014, Vol. 85 , Art. No: 012029, WOS:000357864400029
51. **Manuela PANOIU**, Caius PANOIU, Loredana Ghiormez, Modeling of the Electric Arc Behavior of the Electric Arc Furnace, WOS:000314077300024, Proceedings of the 5th International Workshop Soft Computing Application (Sofa), 2012, 22 -24 august, pag. 261-271
52. **Manuela PANOIU**, Loredana Ghiormez, Caius PANOIU, Anca Iordan, Artificial neural networks in predicting current in electric arc furnaces, WOS:000335980400011, International Conference on Applied Sciences (ICAS2013), 26-27 oct. 2013
53. Anca Iordan, **Manuela PANOIU**, A new approach in the design of an interactive environment for teaching Hamiltonian digraphs, WOS:000335980400012, International Conference on Applied Sciences (ICAS2013), 26-27 oct. 2013
54. **Manuela PANOIU**, L. Ghiormez , C. PANOIU , A. Iordan , A Numerical Modeling of Nonlinear Load Behavior Using Artificial Neural Networks, WOS:000331472800316, 11th International Conference of Numerical Analysis and Applied Mathematics, 2013, vol. 1558, pag. 1337-1340
55. L. Ghiormez, O. Proştean, **Manuela PANOIU**., Caius PANOIU, Numerical Modeling of Some Nonlinear Processes in Electric Arc Furnace Operation, WOS:000331472800313, 12th International Conference of Numerical Analysis and Applied Mathematics, 2013, vol. 1558, pag. 1337-1341
56. **Manuela PANOIU**, Anca Iordan, Caius PANOIU, Loredana Ghiorghioni, Interactive Environment for Learning the Rules for Physical Storing of the Information in the Computers Memory, WOS:000276695900039, Proceedings of the 8th Wseas International Conference on Education and Educational Technology (Edu09), Genova, Italy, October , 2009, 17-19 octombrie, pag. 239-244
57. Raluca Rob, Ioan Sora, Caius PANOIU, **Manuela PANOIU**, Researches Regarding the Electric Energy Quality On High Frequency Electrothermal Installation With Electromagnetic Induction, WOS:000276623100050, Proceedings of the 8th Wseas International Conference on System Science and Simulation (Icosse 09), Genova, Italy, October 17-19, 2009, 17-19 octombrie, pag. 248-253
58. Mihaela Osaci, **Manuela PANOIU**, Berdie Adela Diana, Stela Rusu Anghel, Three-Dimensional Stochastic Model for Simulation of the Nanoparticles Geometry in Nanoparticles Dispersed Magnetic Media, WOS:000276790600025, Proceedings of the 13th Wseas International Conference on Computers, Rodos, Greece, Iul 23-25, 2009, 23-25 iulie, pag. 411-415
59. Cristian Abrudean, **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Using Finite Difference Time-Domain Method To Simulate the Electromagnetic Field in a Multimode Microwave Oven, WOS:000276790600027, Proceedings of the 13th Wseas International Conference on Computers, Rodos, Greece, Iul 23-25, 2009, 2009, 23-25 iulie, pag. 1409-1415
60. Tirian Gelu-Ovidiu, Stela Rusu Anghel, **Manuela PANOIU**, Pinca-Bretotean Camelia, Control of the Continuous Casting Process Using Neural Networks, WOS:000276790600028, Proceedings of the 13th Wseas International Conference on Computers, Rodos, Greece, Iul 23-25, 2009, 23-25 iulie, pag. 85-90
61. Anca Iordan, **Manuela PANOIU**, Ionel Muscalagiu, Raluca Rob, Realization of an Interactive Informatical System for the Quadric Surfaces Study, WOS:000276790600029, Proceedings of the 13th Wseas International Conference on Computers, Rodos, Greece, Iul 23-25, 2009, 2009, 23-25 iulie, pag. 104-109
62. Ionel Muscalagiu, Anca Iordan, Muscalagiu Diana-Maria, **Manuela PANOIU**, Implementation and Evaluation Model with Synchroniyation for the Asynchronous Search Techniques, WOS:000276790600030, Proceedings of the 13th Wseas International Conference on Computers, Rodos, Greece, Iul 23-25, 2009, 2009, 23-25 iulie, pag. 148-153

63. Raluca Rob, Anca Iordan, Caius PANOIU, **Manuela PANOIU**, Applications of the Markov Stochastic Processes in Functioning of the Energy Entities Modelling, WOS:000272165400033, Proceedings of the 13th Wseas International Conference on Systems Rodos, Greece, Iul 22-24, 2009, 22-24 iulie, pag 248-253
64. Cristian Abrudean, **Manuela PANOIU**, Software Application Implement in Java for Electrical Lines Dimensioning, WOS:000264170900070, Proceedings of the 8th Wseas International Conference on Applied Computer Science (Acs'08), Venice, Italy, 2009, 21-23 noiembrie, pag. 614-619
65. **Manuela PANOIU**, Caius PANOIU, Sorin Deaconu, Study About the Possibility of Electrodes Motion Control in the Eaf Based on Adaptive Impedance Control, WOS:000262093800228, 13th International Power Electronics and Motion Control Conference, EPE-PEMC 2008, 1-3 sept., pag. 55-60
66. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Anca Iordan, Adaptive Control of the Active Power of an Electric Arc Furnace, WOS:000262930900016, Proceedings of the 4th Iasme International Conference on Dynamical Systems and Control (Control'08), Corfu, Grecia, 2008, 26-28 octombrie, pag. 99-103
67. Anca Iordan, George Savii, **Manuela PANOIU**, Caius PANOIU, Development of a Dynamical Software for Doing Geometrical Constructions, WOS:000265456100016, Proceedings of the 8th Wseas International Conference on Applied Informatics and Communications, Rodos, Grecia, 2008, 20-22 august, pag. 71-76
68. Caius PANOIU, **Manuela PANOIU**, Liviu Toma, Raluca Rob, A Real-Time Identification Method of a Slow Process Parameters Using an Adaptive Algorithm, WOS:000263293100021, Proceedings of the 8th Wseas International Conference on Applied Informatics and Communications, Rodos, Grecia, 2008, 20-22 august, pag 65-70
69. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Raluca Rob, Study About the Possibility of Flicker Effect Simulation Caused by Nonlinear Power Loads, WOS:000263293100020, Proceedings of the 8th Wseas International Conference on Applied Informatics and Communications, Rodos, Grecia, 2008, 20-22 august, pag. 94-98
70. **Manuela PANOIU**, Caius PANOIU, Anca Iordan, Raluca Rob, Simulation Results Regarding High Power Load Balancing, WOS:000260669900100, Proceedings of the 12th Wseas International Conference on Systems, Heraklion, Grecia, 2008, 22-24 iulie, ISBN 978-960-6766-83-1 ISSN 1790-2769, 53-62
71. Anca Iordan, George Savii, **Manuela PANOIU**, Caius PANOIU, Development of a Dynamical Software for Teaching Plane Analytical Geometry, WOS:000260247300005, Proceedings of the 12th Wseas International Conference on Systems, Heraklion, Grecia, 2008, 22-24 iulie, pag. 55-60
72. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Mihaela Osaci, Using a Model Based on Linearization of the Current – Voltage Characteristic for Electric Arc Simulation, WOS:000251419200018, Proceedings of the 16th IASTED International Conference on Applied Simulation and Modelling, Palma de Mallorca, Spain, 2007, 29 – 31 august, pag. 99-103
73. **Manuela PANOIU**, Caius PANOIU, Mihaela Osaci, Ionel Muscalagiu, Simulation Result About Harmonics Filtering for Improving the Functioning Regime of the UHP Eaf, WOS:000257283500013, the 7th Wseas International Conference on Signal Processing, Computational Geometry and Artificial Vision, Vouliagmeni, Greece, 2007, 24-26 august, pag. 71-78
74. Ioan Baci, Caius PANOIU, **Manuela PANOIU**, Corina Cuntan, Simulation Results on the Currents Harmonics Mitigation on the Railway Station Line Feed, WOS:000257283500012, the 7th Wseas International Conference on Signal Processing, Computational Geometry and Artificial Vision, Vouliagmeni, Greece, 2007, 24-26 august, pag. 65-70
75. Caius PANOIU, **Manuela PANOIU**, MALMS- a new OSLMS Filter, WOS:000246297800016, Proc. of the 4th IASTED International Conference Signal Processing, Pattern Recognition, and Applications, Innsbruck, Austria, 2007, 14-16 februarie, pag. 94-98
76. Ionel Muscalagiu, Vidal Jm, Vladimir Cretu, Horia Emil POPA, **Manuela PANOIU**, the Effects of Agent Synchronization in Asynchronous Search Algorithms, WOS:000247257700006, 1St Kes International Symposium on Agent and Multi-Agent Systems - Technologies and Applications (Kes-Amsta 2007), 2007, 31-mai - 1 iunie, pag. 53-62

77. Anca Iordan, **Manuela PANOIU**, Caius PANOIU, New Dynamical Methods for the Study of the Euclidian Geometry, WOS:000253273000007, 6th Wseas International Conference on Education and Educational Technology, 2007, noiembrie, pag. 35-40
78. Ionel Muscalagiu, Popa Horia-Emil, **Manuela PANOIU**, Determining the Number of Messages Transmitted for the Temporary Links in the Case of Abt Family Techniques , WOS:000235867000032, 7th International Symposium on Symbolic and Numeric Algorithms For Scientific Computing, Timișoara, 2005, 25-29 septembrie, pag. 215-222
79. Caius PANOIU, Raluca Rob, **Manuela PANOIU**, Sora Ioan, Measuring System for Distorted Regime Generated by Three Phase Nonlinear Loads, WOS:000337270600261, 15th International Power Electronics and Motion Control Conference and Exposition, Novi Sad, Serbia, 2012, 4-6 Septembrie,

*f2 Articole publicate în volumele unor conferințe indexate în alte baze de date internaționale*

80. Ionel Muscalagiu, Horia Emil Popa, **Manuela PANOIU**, Viorel Negru, Multi-Agent Systems Applied in the Modelling and Simulation of the Protein Folding Problem Using Distributed Constraints, Lecture Notes in Computer Science, 2013, vol. 8076, pag. 346-360, **Scopus**
81. Raluca Rob, Caius PANOIU, **Manuela PANOIU**, Iagăr Angela, Determining of the Electrical Parameters of a Hardening Inductor, Proceedings of the European Computing Conference, ECC '11, Paris, 2011, 28-30 aprilie, pag. 187-192, **Scopus, Inspec, ACM**
82. Ionel Muscalagiu, Anca Iordan Elena, Muscalagiu Diana, **Manuela PANOIU**, The Effect of Synchronization of Agents' Execution in Randomly Generated Networks of Constraints, Proceedings of the European Computing Conference, ECC '11, Paris, 2011, 28-30 aprilie, pag. 285-290, **Scopus, ACM, Inspec**
83. Caius PANOIU, Raluca Rob, Ioan Baciu, **Manuela PANOIU**, IGBT Command in Active Filtering of the Harmonics Current, Proceedings of the European Computing Conference, ECC '11, Paris, 2011, 28-30 aprilie, pag. 158-163, **Scopus, ACM, Inspec**
84. **Manuela PANOIU**, Ionel Muscalagiu, Caius PANOIU, Vasiliu Răzvan, A New Software Application for Backgammon Based on a Heuristic Algorithm, Proceedings of the European Computing Conference, ECC '11, Paris, 2011, 28-30 aprilie, pag. 278-281, **Scopus, ACM, Inspec**
85. Anca Iordan, **Manuela PANOIU**, Ionel Muscalagiu, Raluca Rob, Object Oriented Development of an Interactive Software for Studying of Circle Using Uml Diagrams, Proceedings of the European Computing Conference, ECC '11, Paris, 2011, 28-30 aprilie, pag. 291-296, **Scopus, ACM, Inspec**
86. Stela Rusu Anghel, Caius PANOIU, **Manuela PANOIU**, Topor Marcel, Sergiu Mezinescu, Improvement of Electric Railway Transportation Protection Systems Using a Relay Based On Fuzzy Logic, 10th International Conference on Environment and Electrical Engineering, Eeeic.Eu 2011, 23-25 iulie, pag. 1 – 4, **Scopus, IEEXplore**
87. Anca Iordan, **Manuela PANOIU**, Ioan Baciu, Corina Cuntan, Design of an Intelligent System for the Automatic Demonstration of Geometry Theorems, Proceedings of the 9th Wseas International Conference on Telecommunications and Informatics, 2010, 29-31 mai, pag. 221-226, **Scopus, Inspec**
88. Anca Iordan, **Manuela PANOIU**, Modeling of an Educational Informatics System for the Study of Computational Geometry Elements Using Uml Diagrams, Proceedings of the 9th Wseas International Conference on Telecommunications and Informatics, 2010, 29-31 mai, pag. 232-237, **Scopus, Inspec, ACM**
89. **Manuela PANOIU**, Caius PANOIU, Raluca Rob, Anca Iordan , Using Lms Algorithm for Controlling the Active Power of Nonlinear Loads, Speedam 2010 - International Symposium on Power Electronics, Electric Drives, Automation and Motion, 2010, 14-16 iunie, pag. 1541-1546, **Scopus, IEEXplore, Inspec**
90. Raluca Rob, Ioan Sora, Caius PANOIU, **Manuela PANOIU**, Using Active Filters in Reducing of the Total Harmonic Distortion On Electro Thermal Installation With Electromagnetic Induction, Speedam 2010 - International Symposium on Power Electronics, Electric Drives, Automation and Motion, 2010, 14-16 iunie, pag. 233-238, **Scopus, IEEXplore, Inspec**

91. Raluca Rob, Ioan Sora, Caius PANOIU, **Manuela PANOIU**, Functioning Analysis of a High Frequency Electro Thermal Installation With Electromagnetic Induction using PSCAD EMTDC Tool, International Conference on Systems, Corfu, Grecia, 2010, 22-24 iulie, pag. 210-215, [Scopus](#), [Inspecc](#), [ACM](#)
92. **Manuela PANOIU**, Ionel Muscalagiu, Caius PANOIU, Maria Raich, Interactive Environment for Comparative Analysis of Sequential and Parallel Algorithms, International Conference on Computers, Corfu, Grecia, 2010, 22-24 iulie, pag. 527-532, [Scopus](#), [Inspecc](#), [ACM](#)
93. Ionel Muscalagiu, **Manuela PANOIU**, Diana Muscalagiu, Caius PANOIU, The Evaluation of the Asynchronous Search Techniques in Discsp - Netlogo , International Conference on Computers, Corfu, Grecia, 2010, 22-24 iulie, pag. 533-538, [Scopus](#), [Inspecc](#), [ACM](#)
94. Caius PANOIU, Raluca Rob, **Manuela PANOIU**, Popa Gabriel, Measurements of the Electrical Parameters of an Electro Thermal Installation With Electromagnetic Induction, International Conference on Systems, Corfu, Grecia, 2010, 22-24 iulie, pag. 216-221, [Scopus](#), [Inspecc](#), [ACM](#)
95. **Manuela PANOIU**, Caius PANOIU, Raluca Rob, Loredana Ghiorghioni, System Based on Fuzzy Logic for Maintain Optimum Environmental Conditions in a Fir Tree Greenhouse, International Conference on Systems, Corfu, Grecia, 2010, 22-24 iulie, pag. 464-469, [Scopus](#), [Inspecc](#), [ACM](#)
96. Stela Rusu Anghel, Ion Gârniță, Ion Gavrilă, Caius PANOIU, **Manuela PANOIU**, Sergiu Mezinescu, Advanced System for the Control of Work Regime of Railway Electric Drive Equipment, 6th Wseas International Conference on Energy, Environment, Ecosystems and Sustainable Development (Eeesd'10), 2010, 21-23 oct, pag. 115-120, [Scopus](#)
97. Caius PANOIU, Liviu Toma, **Manuela PANOIU**, Raluca Rob, Properties of IIR-OSLMS Adaptive Filters, Proceedings of the 27th IASTED International Conference on Modelling, Identification and Control, Innsbruck, Austria, 2008, 11-13 Febr., pag. 460-465, [Scopus](#), [Inspecc](#), [ACM](#)
98. **Manuela PANOIU**, Caius PANOIU, Mihaela Osaci, Ionel Muscalagiu, Modeling and Simulating the AC Electric Arc Using PSCAD EMTDC, the 5th Wseas International Conference on System Science and Simulation in Engineering (Icosse'06), Tenerife, Canary Islands, Spain, 2006, 16-18 decembrie, pag. 7-12, [ACM](#)
99. Mihaela Osaci, **Manuela PANOIU**, Ionel Muscalagiu, Comparative Study of the Models for Simulating the Behavior of the Ferritic Nano-Composites Within Radio-Frequency Magnetic Fields, Romanian Journal of Physics, 2004, vol. 49, nr. 9-10, pag. 789-793, [Inspecc](#)
100. **Manuela PANOIU**, Pănoiu Caius, Mihaela Osaci, Anca Iordan, Simulation Results Regarding Electrodes Position Controlling On Electric Arc Furnace, Proceedings of 1St IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems Icps'07, Cluj-Napoca, 2007, 9-11 IULIE, pag. 117-122, [Scopus](#)
101. **Manuela PANOIU**, Caius PANOIU, Loredana Ghiormez, Raluca Rob, Maintaining Optimal Condition in an Incubator Using Intelligent Fuzzy Algorithm, Global Journal on Technology, 2012, vol. 2, pag. 137-144, [Google Scholar](#)
102. Anca Iordan, **Manuela PANOIU**, Ionel Muscalagiu, Raluca Rob, Object Oriented Development of a Didactic Environment Used for the Minimum Spanning Trees Study, Global Journal on Technology, 2012, vol. 2, pag. 262-267, [Google Scholar](#)
103. Ionel Muscalagiu, Anca Iordan, Mihaela Osaci, **Manuela PANOIU**, Modeling and Simulation of the Protein Folding Problem in Discsp-Netlogo, Global Journal on Technology, 2012, vol. 2, pag. 137-144, [Google Scholar](#)
104. Ionel Muscalagiu, Diana Maria Muscalagiu, Adela Berdie, **Manuela PANOIU**, Modeling of the Protein Folding Problem Using Distributed Constraint Optimization, Global Journal on Technology, 2013, vol. 3, pag. 1342-1347, [Google Scholar](#)
105. Loredana Ghiormez, **Manuela PANOIU**, Caius PANOIU, Harmonics Analysis of the 3-Phase Electric Arc Furnace using Models of the Electric Arc, Global Journal on Technology, 2013, vol. 3, pag. 424-430, [Google Scholar](#)
106. **Manuela PANOIU**, Anca Iordan, Caius PANOIU, Ionel Muscalagiu, Matlab Graphical User Interface for Understanding and Study Artificial Neural Networks, Global Journal on Technology , 2013, vol. 3, pag. 419-423, [Google Scholar](#)

107. Anca Iordan, **Manuela PANOIU**, A New Approach in the Design of a Didactic Software Used for the Bipartite Graphs Study, Global Journal on Technology, 2013, vol. 3, pag. 213-217, [Google Scholar](#)
108. **Manuela PANOIU**, Caius PANOIU, I Sora, M Osaci, I Muscalagiu, Modeling, Simulating and Experimental Validation of the AC Electric Arc in the Circuit of Three-Phase Electric Furnaces, Eurosim 2007 Congress, Ljubljana, Slovenia, September, 2007, pag. 9 -13, [Google Scholar](#)
109. Ioan Baci, Cuntan Corina, **Manuela PANOIU**, Cristian Abrudean, Highlighting the Existing Harmonics On Locomotives With Dc Motors, 13th Wseas International Conference on Electric Power Systems, High Voltages, Electric Machines, 2013, pag. 120-125, [Google Scholar](#)
110. Gelu Ovidiu Tirian, **Manuela PANOIU**, Octavian Proștean, Gabriela Proștean, the Software Implementation of a Neuronal System used in the Control of the CNC Metal Plate-Cutting Machine, 14th Wseas International Conference on Electric Power Systems, High Voltages, Electric Machines, 2013, pag. 143-146 [Google Scholar](#)
111. Anca Iordan, **Manuela PANOIU**, Ionel Muscalagiu, Raluca Rob , Interactive Software for the Study of Electrical Circuits Using Graphs Theory, 15th Wseas International Conference on Electric Power Systems, High Voltages, Electric Machines, 2013, ISBN: 978-960-474-328-5, 114-119, [Google Scholar](#)
112. Loredana Ghiormez, Octavian Proștean, **Manuela PANOIU**, Caius PANOIU, Validation of an Electric Arc Model in the Two Technological Phases of An Electric Arc Furnace Process, 16th Wseas International Conference on Electric Power Systems, High Voltages, Electric Machines, 2013, ISBN: 978-960-474-328-5, 138-142 [Google Scholar](#)
113. Raluca Rob, Caius PANOIU, **Manuela PANOIU**, Harmonic Analysis in Functioning of Nonlinear Loads, 17th Wseas International Conference on Electric Power Systems, High Voltages, Electric Machines, 2013, pag. 126-131 [Google Scholar](#)
114. Mihaela Osaci, **Manuela PANOIU**, Caius PANOIU, Ionel Muscalagiu, Matlab Graphical User Interface for Study Through Modelling and Simulation of the Waiting Systems Without Priorities , 12th Wseas International Conference on Applied Informatics and Communications (Aic '12), 2012, pag. 225-228 [Google Scholar](#)
115. Caius PANOIU, Raluca Rob, **Manuela PANOIU**, Monitoring System for Average Hourly Radiation, 12th Wseas Int. Conf. on Signal Processing, Computational Geometry and Artificial Vision (Iscgav '12), 2012, vol. 3, pag. 107-112 [Google Scholar](#)
116. Anca Iordan, **Manuela PANOIU**, Ionel Muscalagiu, Raluca Rob, Design of Sequence Diagrams for Implementation of a Didactic Software Used in the Study of Binary Trees, 12th Wseas International Conference on Applied Informatics and Communications (AIC '12), 2012, pag. 97-102 [Google Scholar](#)
117. C. PANOIU, **Manuela PANOIU**, L. Toma, Temperature Adaptive Control Based On Modeling the Heating Process of an Electric Resistance Furnace, Proceedings of the 17th IASTED International Conference Applied Simulation and Modelling, 2008, vol. 609, pag. 277-282 [Google Scholar](#)
118. Ionel Muscalagiu, Anca Iordan, Mihaela Osaci, **Manuela PANOIU**, Extending the Modeling of the Protein Folding Problem in Discsp-Netlogo Using Triangular Lattice Models, 12th Wseas International Conference on Applied Informatics and Communications (AIC '12), 2012, pag. 229-234 [Google Scholar](#)

***g. Publicații în extenso apărute în alte reviste de specialitate***

119. **Manuela PANOIU**, Caius PANOIU, Șora Ioan, Modeling of Three Phase Electric Arc Furnaces, Acta Electrotehnica, Editura Mediamira, 2007, Vol 48 Nr. 2, pag. 124-132, Revista categoria **B+**
120. Ionel Muscalagiu, Horia Emil Popa, **Manuela PANOIU**, Asynchronous Backtracking With Temporary and fixed Links: a New Hybrid Member in the Abt Family, Infocomp, Journal of Computer Science, 2006, vol. 5, no 2, pag. 29-37
121. Caius PANOIU, Deaconu Sorin, **Manuela PANOIU**, Lako Ladislav, Gherman Lucian, Control of Electric Arc Furnace Electrodes By Asynchronous Motors Driven By Static Frecquency Converters, Buletinul Institutului Politehnic Din Iași, Secția Electrotehnică, Energetică, Electronică, 2002, Vol Xlviii ( Lii), Fasc. 5.C, pag. 351-35, revista **B+**

122. **Manuela PANOIU**, Caius Panoiu, Ionel Muscalagiu, Anca Iordan and Raluca Rob, Developing a New Java Algorithm for Playing Backgammon, International Journal Of Computers Issue 2, Volume 6, 2012

*h. Publicații în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate*

123. **Manuela PANOIU**, Caius PANOIU, Ioan Sora, Simulation Results Regarding Harmonics Filtering, Reactive Power Compensation and Load Balancing on Power Loads, Proceedings of the IASTED Conference on Applied Simulation and Modelling, 2008, vol. 609, pag. 71-76
124. **Manuela PANOIU**, Anca IORDAN, Caius PANOIU, Multimedia Educational Software For Study Image Formation in Converging and Diverging Lens, Microcad 2007, International Scientific Conference University of Miskolc, pag. 41-46
125. Iordan Anca-Elena, **Manuela PANOIU**, Dynamical software for the study of Triangle's Geometry, MicroCAD International Scientific Conference, 2007, Miskolc, Ungaria, pag. 35-40
126. Ionel MUSCALAGIU, Horia Emil POPA, **Manuela PANOIU** the Behaviour of Asynchronous Techniques Regarding the Occurrence of Delays in the Sending of Messages: An Empirical Study. 2nd Balkan Conference, in Informatics, 2005, pag. 379-388
127. Ionel MUSCALAGIU, Horia Emil POPA, **Manuela PANOIU**, Detection Techniques For the Termination of Asynchronous Algorithms in Netlogo, 2nd Balkan Conference in Informatics, 2005, pag. 389-396
128. Caius PANOIU, **Manuela PANOIU**, the Temperature Adaptive Control Algorithm, Microcad 2005, International Scientific Conference, Section I Automation and Telecommunication, Miskolc, Ungaria, 2005, 10-11 Martie, pag 37-42
129. **Manuela PANOIU**, Caius PANOIU, the Electric Arc Modelling and Simulation Using the Dynamic Variable Arc Length Characteristic, Microcad 2005, International Scientific Conference, Section I Automation and Telecommunication, Miskolc, Ungaria, 2005, 10-11 Martie, pag 31-36
130. **Manuela Panoiu**, Loredana Ghiormez, Caius Panoiu, Adaptive Neuro-Fuzzy System For Current Prediction in Electric Arc Furnaces, 6th International Workshop on Soft Computing Application, 2014, Iulie 2014
131. Caius Panoiu, **Manuela Panoiu**, Cezara-Liliana Rat, Raluca Rob, the Computer Assisted Parking of A Bluetooth Controlled Car Using Fuzzy Logic, 6th International Workshop on Soft Computing Application, 2014, Iulie 2014,
132. **Manuela Panoiu**, Cezara-Liliana Rat, Caius Panoiu, A Comparative Study of Text-To-Speech Systems in Labview, 6th International Workshop On Soft Computing Application, 2014, Iulie 2014,
133. **Manuela PANOIU**, Nicolae RUSU, Experimental Determination of Electrical Parameters of the Uhp Arc Furnaces, Conferința Internațională "Sielemn 2003", Chișinău, 2003, 26-27 Septembrie, pag. 177-181
134. Nicolae RUSU, Stela ANGHEL, Caius PANOIU, **Manuela PANOIU**, Lako Ladislav, Complex Protective System in Railway Energetics V-Th International Symposium of Interdisciplinary Regional research, Szeged, Ungaria, 4-6 Octombrie, 2001
135. Nicolae RUSU, **Manuela PANOIU**, Caius PANOIU, Stela ANGHEL An Automat Control System of Arc Furnace Used For Reactive Power Compensation, Balanced the Charge and Harmonic Currents Filtering V-Th International Symposium of Interdisciplinary Regional Research, Szeged, Ungaria, 2001 4-6 Octombrie, pag. 205-206
136. **Manuela PANOIU**, Caius PANOIU, Nicolae RUSU, Simulations Results in Modelling Process of the Electrical Installation On Electric Arc Furnace in Unbalanced Conditions Using PSCAD-EMTDC ,V-Th International Symposium of Interdisciplinary Regional Research, Szeged, Ungaria, 2001, 4-6 Octombrie, pag. 197-198
137. Baci Ioan, **Manuela PANOIU**, Caius PANOIU, Analysis of the Quality of the Electric Power For the Railway Station, AQTR 2004 (Theta 14) 2004 IEEE-TTTC - International Conference On Automation, Quality and Testing Robotics, Tom I, Cluj-Napoca, 2004, 13-15 Mai, pag. 501-506.