

1. CĂRȚI

Nr. Crt.	Autori	Titlu	Editura	ISBN	An	Nr. pagini
1	Manuela Pănoiu, Anca-Elena Iordan	Programare orientată pe obiecte în C++	Editura Politehnica, Timișoara	978-606-554-830-5	2014	204
2	Anca-Elena Iordan, Manuela Pănoiu	Programarea avansată a interfețelor grafice utilizator în Java	Editura Politehnica, Timișoara	978-606-554-732-2	2013	307
3	Anca-Elena Iordan, Manuela Pănoiu	Introducere în limbajul Prolog prin aplicații	Editura Politehnica, Timișoara	978-606-554-359-1	2011	202
4	Anca-Elena Iordan, Manuela Pănoiu	Structuri de date și algoritmi - Aplicații propuse și rezolvate	Editura Politehnica, Timișoara	978-606-554-069-9	2010	231
5	Anca-Elena Iordan, Manuela Pănoiu	Programare orientată pe obiect - C++	Editura Mirton, Timișoara	978-973-52-0152-4	2007	205
6	Daniela Cristea, Anca-Elena Iordan, Adela Berdie	Utilizarea calculatoarelor	Editura Mirton, Timișoara	973-661-681-9	2005	234
7	Anca-Elena Iordan, Daniela Cristea, Adela Berdie	Programarea calculatoarelor - Limbajul C	Editura Mirton, Timișoara	973-661-331-3	2004	186

2. ARTICOLE PUBLICATE ÎN REVISTE

2.1. Reviste cotate ISI

Nr. Crt.	Autori	Titlu	Revista	An	ISSN	Vol.(Nr.) / Pag.	WOS
1	Anca-Elena Iordan, Florin Covaciu	Efficient Method to Solve the Guarini Puzzle Generalization using Bipartite Graphs	Acta Technica Napocensis Series: Applied Mathematics, Mechanics, and Engineering	2019	1221-5872	62 (1) / 157-162	000464577100021
2	Caius Pănoiu, Manuela Pănoiu, Ionel Muscalagiu, Anca-Elena Iordan	Visual Interactive Environment for Study Power Electronics	Computer Application in Engineering Education	2010	1099-0542	18 (3) / 469-475	000281503800006
3	Anca-Elena Iordan, Manuela Pănoiu	Multimedia Educational Software for Producing Graphs of Mathematical Functions	International Journal of Computers, Communications and Control	2006	1841-9836	1 / 284-289	000203014800047
4	Manuela Pănoiu, Caius Pănoiu, Ionel Muscalagiu, Anca-Elena Iordan	An Interactive Learning Environment for Analyze Linked List Data Structures	International Journal of Computers, Communications and Control	2006	1841-9836	1 / 355-359	000203014800059

2.2. REVISTE BDI

Nr. Crt.	Autori	Titlu	Revista	An	ISSN	Vol.(Nr.) / Pag.	BDI
1	Florin Covaciu, Anca-Elena Iordan	Designing and Building a Serial Robotic Arm with Four Degrees of Freedom	ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering	2019	1221 - 5872	62 (2) / 317-322	Google Scholar

2	Anca-Elena Iordan	Design and Implementation of a Game using Android API	Acta Technica Corviniensis – Bulletin of Engineering	2019	2067-3809	12 (1) / 53-56	COPERNICUS
3	Anca-Elena Iordan	Design and Implementation of a Puzzle Game using Java SE	Annals of Faculty Engineering Hunedoara - International Journal of Engineering	2017	1584-2673	15 (3) / 235-239	COPERNICUS
4	Anca-Elena Iordan	A Comparative Study of Three Heuristic Functions used to Solve the 8-puzzle	British Journal of Mathematics & Computer Science	2016	2231-0851	16 (1) / 1-18	Google Scholar
5	Anca-Elena Iordan	Design with UML of an Interactive Software for the Study of the Two Surfaces of Revolution	Annals of Faculty Engineering Hunedoara	2014	1584-2673	12 (3) / 275-280	COPERNICUS
6	Anca-Elena Iordan, Manuela Pănoiu	A New Approach in the Design of a Didactic Software Used for the Bipartite Graphs Study	AWERProcedia Information Technology and Computer Science	2013	2147-5369	3 / 212-217	COPERNICUS
7	Anca-Elena Iordan	Defining a New Heuristic that Optimizes the A* Search Method Applied to Solve the 15-Puzzle	AWERProcedia Information Technology and Computer Science	2013	2147-5369	3 / 198-203	COPERNICUS
8	Manuela Pănoiu, Anca-Elena Iordan, Caius Pănoiu, Ionel Muscalagiu	Matlab Graphical User Interface for Understanding and Study Artificial Neural Networks	AWERProcedia Information Technology and Computer Science	2013	2147-5369	3 / 419-423	COPERNICUS
9	Anca-Elena Iordan, Manuela Pănoiu, Ionel Muscalagiu, Raluca Rob	Object Oriented Development of a Didactic Environment Used for the Minimum Spanning Trees Study	AWERProcedia Information Technology and Computer Science	2012	2147-5369	2 / 262-267	COPERNICUS
10	Anca-Elena Iordan	Oriented Object Development of an Interactive Software Designed for the Study of A* Method	AWERProcedia Information Technology and Computer Science	2012	2147-5369	2 / 127-131	COPERNICUS
11	Ionel Muscalagiu, Anca-Elena Iordan, Mihaela Osaci, Manuela Pănoiu	Modeling and Simulation of the Protein Folding Problem in Discsp-Netlogo	AWERProcedia Information Technology and Computer Science	2012	2147-5369	2 / 137-144	COPERNICUS
12	Manuela Pănoiu, Caius Pănoiu, Ionel Muscalagiu, Anca-Elena Iordan, Raluca Rob	Developing a New Java Algorithm for Playing Backgammon	International Journal of Computers	2012	1998-4308	6 (2) / 119-126	COPERNICUS
13	Anca-Elena Iordan, Manuela Pănoiu, Ionel Muscalagiu, Raluca Rob	Using UML Diagrams for Object Oriented Implementation of an Interactive Software for Studying the Circle	International Journal of Computers	2011	1998-4308	5 (3) / 431-439	COPERNICUS

14	Anca-Elena Iordan, Manuela Pănoiu, Ionel Muscalagiu, Raluca Rob	Design of an Educational Informatics System for the Study of the Quadrilateral using UML Diagrams	Annals of Faculty of Engineering Hunedoara	2011	1584-2673	9 (3) / 183-186	COPERNICUS
15	Manuela Pănoiu, Caius Pănoiu, Anca-Elena Iordan, Cosmina Illes	Software Package for Analysis the Performances of Backpropagation Neural Networks Training Algorithm	Annals of Faculty of Engineering Hunedoara	2011	1584-2673	9 (4) / 163-166	COPERNICUS
16	Ioan Baciu, Dragoș Păsculescu, Corina Cuntan, Anca-Elena Iordan	DC Motor Behavior Analysis on Blocking the Wells on a Railway Traction Vehicle	Wseas Transactions on Circuits and Systems	2010	1109-2734	9 (9) / 587-596	SCOPUS
17	Anca-Elena Iordan, George Savii, Manuela Pănoiu, Caius Pănoiu	New Software for the Study of the Classic Surface From Differential Geometry	Lecture Notes in Electrical Engineering	2009	1876-1100	27 (1) / 463-472	SCOPUS
18	Manuela Pănoiu, Anca-Elena Iordan, Caius Pănoiu, L. Ghiorghioni	Educational Software for Teaching the Basics of Computer Science	Wseas Transactions on Advances in Engineering Education	2009	1790-1979	6 (12) / 478-487	INSPEC
19	Anca-Elena Iordan, George Savii, Manuela Pănoiu, Caius Pănoiu	Visual Interactive Environment for Doing Geometrical Constructions	Wseas Transactions on Computers	2009	1109-2750	8 (2) / 258-268	SCOPUS
20	Manuela Pănoiu, Caius Pănoiu, Ioan Sora, Anca-Elena 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	1109-2777	7 (7) / 699-710	SCOPUS
21	Manuela Pănoiu, Caius Pănoiu, Ioan Sora, Anca-Elena 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	1790-0832	5(11) / 1628-1637	SCOPUS

3. LUCRĂRI PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE

3.1. MANIFESTĂRI ȘTIINȚIFICE INDEXATE ISI

Nr. Crt.	Autori	Titlu	Conferința	An	ISBN/ISSN	Pag.	WOS
1	Anca-Elena Iordan	Optimal Solution of the Guarini Puzzle Extension using Tripartite Graphs	International Conference on Applied Sciences, Banja Luka, Bosnia-Herțegovina, 2018, IOP Conference Series: Materials Science and Engineering, vol. 477	2019	1757-899X		000461184100046
2	Anca-Elena Iordan, Manuela Pănoiu	A New Approach in the Design of an Interactive Environment for Teaching Hamiltonian Digraphs	International Conference on Applied Sciences, Wuhan, China, 2013, Materials Science and Engineering, vol. 57	2014	1757-899X		000335980400012

3	Manuela Pănoiu, Caius Pănoiu, Anca-Elena Iordan , Loredana Ghiormez	Artificial Neural Networks in Predicting Current in Electric Arc Furnaces	International Conference on Applied Sciences, Wuhan, China, 2013, Materials Science and Engineering, vol. 57	2014	1757-899X		000335980400011
4	Manuela Pănoiu, Loredana Ghiormez, Caius Pănoiu, Anca-Elena Iordan	A Numerical Modeling of Non-linear Load Behavior Using Artificial Neural Networks	International Conference of Numerical Analysis and Applied Mathematics, Rodos, Grecia	2013	978-0-7354- 1184-5 / 0094-243X	1337- 1340	000331472800316
5	Manuela Pănoiu, Anca-Elena Iordan , Caius Pănoiu, Loredana Ghiorghioni	Interactive Environment for Learning the Rules for Physical Storing of the Information in the Computer Memory	International Conference on Education and Educational Technology, Genova, Italia	2009	978-960- 474-128-1 / 1790-5109	239-244	000276695900039
6	Anca-Elena Iordan	Development of Interactive Software for Teaching Three- Dimensional Analytic Geometry	International Conference on Distance Learning and Web Engineering, Budapesta, Ungaria	2009	978-960- 474-115-1 / 1790-2769	23-28	000273267800003
7	Anca-Elena Iordan , Manuela Pănoiu, Ionel Muscalagiu, Raluca Rob	Realization of an Interactive Informatical System for the Quadric Surfaces Study	International Conference on Computers, Rodos, Grecia	2009	978-960- 474-099-4 / 1790-5109	205-210	000276790600029
8	Ionel Muscalagiu, Anca-Elena Iordan , Diana Muscalagiu, Manuela Pănoiu	Implementation and Evaluation Model With Synchroniyation for the Asynchronous Search Techniques	International Conference on Computers, Rodos, Grecia	2009	978-960- 474-099-4 / 1790-5109	211-216	000276790600030
9	Raluca Rob, Anca-Elena Iordan , Caius Pănoiu, Manuela Pănoiu	Applications of the Markov Stochastic Processes in Functio- ning of the Energy Entities Modelling	International Conference on Systems, Rodos, Grecia	2009	978-960- 474-097-0 / 1790-2769	248-253	000272165400033
10	Manuela Pănoiu, Caius Pănoiu, Ioan Sora, Anca-Elena Iordan	Adaptive Control of the Active Power of an Electric Arc Furnace	International Conference on Dynamical Systems and Control, Corfu, Grecia	2008	978-960- 474-014-7 / 1790-2769	85-90	000262930900016
11	Anca-Elena Iordan , George Savii, Manuela Pănoiu, Caius Pănoiu	Development of a Dynamical Software for Doing Geometrical Constructions	International Conference on Applied Informatics and Communications, Rodos, Grecia	2008	978-960- 6766-94-7 / 1790-5109	104-109	000265456100016
12	Manuela Pănoiu, Caius Pănoiu, Anca-Elena Iordan , Raluca Rob	Simulation Results Regarding High Power Load Balancing	International Conference on Systems, Heraklion, Grecia	2008	978-960- 6766-83-1 / 1790-2769	614-619	000260669900100
13	Anca-Elena Iordan , George Savii, Manuela Pănoiu, Caius Pănoiu	Development of a Dynamical Software for Teaching Plane Analytical Geometry	International Conference on Engineering Education, Heraklion, Grecia	2008	978-960- 6766-86-2 / 1790-2769	55-60	000260247300005
14	Anca-Elena Iordan , Manuela Pănoiu, Caius Pănoiu	New Dynamical Methods for the Study of the Euclidian Geometry	International Conference on Education and Educational Technology, Veneția, Italia	2007	978-960- 6766-16-9 / 1790-5117	35-40	000253273000007

3.2. MANIFESTĂRI ȘTIINȚIFICE INDEXATE BDI

Nr. Crt.	Autori	Titlu	Conferința	An	ISBN/ISSN	Pag.	BDI
1.	Anca-Elena Iordan	A Comparative Study of the A* Heuristic Search Algorithm used to Solve Efficiently a Puzzle Game	International Conference on Applied Sciences, Hunedoara, Romania, 2017, IOP Conference Series: Materials Science and Engineering, vol. 294	2018	1757-899X		SCOPUS
2	Anca-Elena Iordan, Manuela Pănoiu, Ionel Muscalagiu, Raluca Rob	Interactive Software for the Study of Electrical Circuits Using Graphs Theory	International Conference on Electric Power Systems, High Voltages, Electric Machines, Chania, Grecia	2013	978-960-474-328-5	114-119	Google Scholar
3	Caius Pănoiu, Raluca Rob, Manuela Pănoiu, Anca-Elena Iordan	Two Channels Signal Generator Designed as Virtual Instrument	International Conference on Electric Power Systems, High Voltages, Electric Machines, Chania, Grecia	2013	978-960-474-328-5	132-137	Google Scholar
4	Anca-Elena Iordan, Manuela Pănoiu, Ionel Muscalagiu, Raluca Rob	Object Oriented Development of an Interactive Software for Studying of Circle using UML Diagrams	European Computing Conference, Paris, Franța	2011	978-960-474-297-4	291-296	SCOPUS
5	Ionel Muscalagiu, Anca-Elena Iordan, Diana Muscalagiu, Manuela Pănoiu	The Effect of Synchronization of Agents' Execution in Randomly Generated Networks of Constraints	European Computing Conference, Paris, Franța	2011	978-960-474-297-4	285-290	SCOPUS
6	Anca-Elena Iordan, Manuela Pănoiu, Ioan Baciu, Corina Cunțan	Design of an Intelligent System for the Automatic Demonstration of Geometry Theorems	International Conference on Telecommunications and Informatics, Catania, Italia	2010	978-954-92600-2-1 / 1790-5117	221-226	SCOPUS
7	Anca-Elena Iordan, Manuela Pănoiu	Modeling of an Educational Informatics System for the Study of Computational Geometry Elements Using UML Diagrams	International Conference on Telecommunications and Informatics, Catania, Italia	2010	978-954-92600-2-1 / 1790-5117	232-237	SCOPUS
8	Ioan Baciu, Corina Cunțan, Gabriel Popa, Anca-Elena Iordan	Analysis of Electric Power's Parameters in Supplying of Railway Electric Traction Systems	International Conference on Automatic Control, Modelling & Simulation, Catania, Italia	2010	978-954-92600-1-4 / 1790-5117	415-419	SCOPUS
9	Ioan Baciu, Corina Cunțan, Sorin Deaconu, Anca-Elena Iordan	Study of the D.C. Motors' Behavior from the Componentry of Electric Traction Systems in Short-Circuit Regime	International Conference on Systems, Corfu, Grecia	2010	978-960-474-199-1 / 1792-4235	331-335	SCOPUS
10	Manuela Pănoiu, Caius Pănoiu, Raluca Rob, Anca-Elena Iordan	Using LMS Algorithm for Controlling the Active Power of Nonlinear Loads	International Symposium on Power Electronics, Electric Drives, Automation and Motion, Pisa, Italia	2010	978-1-4244-7919-1	1541-1546	IEEE Xplore

11	Manuela Pănoiu, Pănoiu Caius, Mihaela Osaci, Anca-Elena Iordan	Simulation Results Regarding Electrodes Position Controlling On Electric Arc Furnace	Workshop on Convergence of Information Technologies and Control Methods With Power Plants and Power Systems, Cluj- Napoca, Romania	2007	978-1-60560- 743-6	117-122	SCOPUS
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