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RECTORATUL

Universitatea Babeș-Bolyai Competiția Excelenței 2010

Dosar individual

Notă: Toate datele se referă la perioada 2005-2009

Nume, prenume, grad did.	GROSAN CRINA, LECTOR DR.
Facultatea, Catedra	Facultatea de Matematica si Informatica/ Categra de limbaje si metode de programare
Domeniul științific	Inteligenta artificiala
Adresa paginii web personale	www.cs.ubbcluj.ro/~cgrosan
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Criteriaul I – Output

1. Articole științifice publicate în reviste indexate ISI (cu menționare factorului de impact în cazul celor cotate)

1. Grosan, C., Abraham, A., On a Class of Global Optimization Test Functions, Neural Network World, Volume 19, No. 2, pp. 247-252, 2009.

FI: 0.395

2. Grosan, C., Abraham, A., Hassainen, A.E., Designing Resilient Networks Using Multicriteria Metaheuristics, Telecommunication Systems: Model ling, Analysis, Design and Management, Volume 40, pp. 75-88, 2009.

FI: 0.396

3. Hassanien, A.E., Abraham, A., Grosan, C., Spiking Neural Network and Wavelets for Hiding Iris Data in Digital Images, Soft Computing: A Fusion of Foundations, Methodologies and Applications, Volume 13, Issue 4, pp. 401-416, 2009.

FI: 0.984

4. Chen, Z., Wang, H., Abraham, A., Grosan, C., Yang, B., Chen Y., Wang, L., Improving Neural Network Classification Using Further Division of Recognition Space, International Journal of Innovative Computing, Information and Control, Volume 4, Issue 11, 2009.

FI: 2.791

5. Grosan, C., Abraham, A., A Novel Global Optimization Technique for High Dimensional Functions, International Journal of Intelligent Systems, John Wiley and Sons, USA, Volume 24, Issue 4, pp. 421 - 440, 2009.

FI: 0.86

6. Chen, Z., Yang, B., Chen, Y., Abraham, A., Grosan, C., Peng, L., Hybrid Traffic Classifier for Peer-to-Peer Systems Based on Network Processors, Applied Soft Computing, Elsevier Science, Volume 9, Issue 2, pp. 685-694, 2009.

FI: 1.909

7. Oltean, M., Grosan, C., Diosan, L., Mihaila, C., Genetic Programming with linear representation: a survey, International Journal on Artificial Intelligence Tools, World Scientific, Vol. 19, Issue 2, pp. 197-238, 2009.

FI: 0.667

7. Grosan, C., Abraham, A., Tigan, S. Multicriteria Programming Applied in Medical Field, Applied Soft Computing}, Elsevier Science, Volume 8, Issue 4, pp. 1407-1417, 2008.

FI: 1.909

8. Grosan, C., Abraham, A., Multiple Solutions for a System of Nonlinear Equations, International Journal of Innovative Computing, Information and Control, Volume 4, Issue 9, pp. 2161-2170, 2008.

FI: 2.791

9. Grosan, C., Abraham, A., Evolutionary multiobjective optimization for large scale systems of equations, IEEE Transaction on Systems, Man and Cybernetics Part A}, IEEE Press, USA, Volume 38, No. 3, pp. 698-714, 2008.

FI: 1.35

10. Grosan, C., Oltean, M. Traceless Genetic Programming for Multiobjective Optimization, Journal of Experimental & Theoretical Artificial Intelligence, Taylor and Francis, Volume 19, pp. 227-248, 2007.

FI: 0.5

11. Grosan, C., Abraham, A. Hybrid learning schemes for designing drugs, Neural Computing and Applications, Springer Verlag, Germany, Volume 13, No.3, pp. 307-316, 2007.

FI: 0.61

12. Bhattacharya, A., Abraham, A., Vasant, P. and Grosan, C., Meta-Learning Evolutionary Artificial Neural Network for Selecting Flexible Manufacturing Systems Under Disparate Level of-Satisfaction of Decision Maker, International Journal of Innovative Computing, Information and Control, Volume 3, No. 1, pp. 131-140, 2007.

FI: 2.791

13. Sandhya Peddabachigari, Ajith Abraham, Crina Grosan and Johnson Thomas, Modeling Intrusion Detection System Using Hybrid Intelligent Systems, Journal of Network and Computer Applications, Elsevier Science, Volume 30, Issue 1, pp. 114-132, 2007.

FI: 1.265

14. Abraham, A., Grosan, C., Automatic Programming Methodologies for Electronic Hardware Fault Monitoring, Journal of Universal Computer Science, Volume 12, No.4, pp. 408-431, 2006.

FI: 0.338

15. Grosan, C., Oltean, M. Adaptive Representation for Single Objective Optimization, *Soft Computing*, Springer-Verlag, 9, pp. 594-605, 2005.

FI: 0.516

2. Articole științifice publicate în ISI proceedings

1. Pant, M., Thangaraj, R., Abraham, A., Grosan, C., Differential Evolution with Laplace Mutation Operator, 2009 IEEE Congress on Evolutionary Computation, Trondheim, Norway, IEEE Press, ISBN 978-1-4244-2958-5, pp. 1240-1246, 2009.
2. Abraham, A., Grosan, C., Snasel, V., Programming Risk Assessment Models for Online Security Evaluation Systems, Eleventh International Conference on Computer Modeling and Simulation, UKSiM/EUROSiM 2009, Cambridge, UK, IEEE Computer Society Press, USA, pp. 41-46, 2009.
3. Abraham, A., Grosan, C., Liu, H., Chen, Y., Hierarchical Takagi-Sugeno Models for Online Security Evaluation Systems, Fifth International Conference on Information Assurance and Security (IAS 2009), China, IEEE Computer Society Press, USA, ISBN 978-0-7695-3744-3, pp. 687-692, 2009.
4. Vescan, A; Grosan, C, A Hybrid Evolutionary Multiobjective Approach for the Component Selection Problem 3rd International Workshop on Hybrid Artificial Intelligence Systems, Date: SEP 24-26, 2008 Univ Burgos Burgos SPAIN, Volume: 5271 Pages: 164-171, 2008
5. Vescan, A; Grosan, C; Pop, HF, Evolutionary algorithms for the component selection problem 19th International Conference on Database and Expert Systems Applications, Date: SEP 01-05, 2008 Turin ITALY, Pages: 509-513, 2008
6. Bhattacharya, A; Konar, A; Das, S, Grosan C, Abraham A., Hardware software partitioning problem in embedded system design using Particle Swarm Optimization algorithm, 2nd International Conference on Complex, Intelligent and Software Intensive Systems, Polytechn Univ Catalonia Catalonia Spain, pp: 171-176, 2008
7. Grosan, C; Abraham, A, Modified line search method for global optimization, 1st Asia International Conference on Modelling and Simulation, Date: MAR 27-30, 2007 Prince Songkia Univ Phuket THAILAND, Pages: 415-420, 2007
8. Grosan, C., Abraham, A., Exploration of Multiple Roots for a Polynomial System, International Conference on Digital Information Management (ICDIM), Lyon, France, IEEE Computer Society Press, USA, ISBN 1-4244-1476-8, pp. 133-137, 2007
9. Hongbo Liu, Ajith Abraham and Crina Grosan, A Novel Variable Neighborhood Particle Swarm Optimization for Multi-objective Flexible Job-shop Scheduling Problems, IEEE International Conference on Digital Information Management, Lyon, France, IEEE Press, USA, ISBN 1-4244-1476-8, pp. 138-145, 2007.
10. Grosan, C., Abraham, A., Hybrid line search for multiobjective optimization, 2007 International Conference on High Performance Computing and Communications (HPCC-07), Springer LNCS, Houston, TX, 2007.
11. Grosan, C., Abraham, A., Exploration of Pareto Frontier Using a Fuzzy Controlled Hybrid Line Search, 7th International Conference on Hybrid Intelligent Systems, IEEE Computer Society Press, Kaiserslautern, Germany, ISBN 07695-2662-4, pp. 366-371, 2007.
12. Grosan, C., Abraham, A., Solving Shortest Capacitated Path Problem Using a Bi-Objective Heuristic Approach, First IEEE Asia International Conference on Modeling and Simulation, AMS-07, Thailand, IEEE Computer Society Press, ISBN 0-7695-2845-7, pp. 427-432, 2007.

13. Divecha, B., Abraham A., Grosan, C., and Sanyal, S., Analysis of Dynamic Source Routing and Destination-Sequenced Distance-Vector Protocols for Different Mobility Models, First IEEE Asia International Conference on Modeling and Simulation, AMS-07, Thailand, IEEE Computer Society Press, ISBN 0-7695-2845-7, pp. 224-229, 2007.
14. Grosan, C., Abraham, A., Chang, T.G., Kim, D.H., Solving Nonlinear Equation Systems Using an Evolutionary Multiobjective Optimization Approach, 5th Mexican International Conference on Artificial Intelligence, Mexico, Lecture Notes in Computer Science, Springer Verlag, Germany, A. Gelbukh and C.A. Reyes-Garcia (Eds.): MICAI 2006, LNAI 4293, pp.283-293, 2006.
15. Grosan, C., Abraham, A., Tigan, S., Drug Design Using a Multi-Input Multi- Output NeuroFuzzy System, 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'06), Timisoara, Romania, IEEE CS Press, pp. 365-371, 2006
16. Grosan, C., Abraham, A., Tigan, S., Chang, T.G., Kim, D.H., Evolving Neural Networks for Pharmaceutical Research, International Conference on Hybrid Information Technology (ICHIT'06), IEEE Press, IEEE Press, Korea, pp. 13-19, 2006.
17. Grosan, C., Abraham, A., Tigan, S., Chang, T.G. How to Solve a Multicriterion Problem for which Pareto Dominance Relationship Cannot be Applied? A Case Study from Medicine. 10th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (KES'06), Springer Verlag, B. Gabrys, R.J. Howlett, and L.C. Jain (Eds.): Part I I I, Lecture Notes in Artificial Intelligence 4253, pp. 1128-1135, 2006.
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19. Bhattacharya, A., Abraham, A., Grosan, C., Vasant, P. Meta-Learning Evolutionary Artificial Neural Network for Selecting Flexible Manufacturing Systems under Disparate Level-of-Satisfaction of Decision Maker. Third International Symposium on Neural Networks (ISNN'06), Lecture Notes in Computer Science, Volume 3973/2006, Jun Wang et al. (Eds.), Springer Verlag, Germany, pp. 891-897, 2006.
20. Grosan, C., Abraham, A. Ensemble of Genetic Programming Models for Designing Reactive Power Controllers, Fifth International Conference on Hybrid Intelligent Systems (HIS'05), Brazil, IEEE Computer Society Press, 2005.
21. Grosan, C., Abraham, A., Han, S.Y., Ramos, V. Stock Market Prediction Using Multi Expression Programming, 12th Portuguese Conference on Artificial Intelligence (EPIA'05), Portugal, IEEE Computer Society Press 2005.
22. Abraham, A., Grosan, C., Han, S.Y., Gelbukh, A. Evolutionary Multiobjective Optimization Approach for Evolving Ensemble of Intelligent Paradigms for Stock Market Modeling, 4th Mexican International Conference on Artificial Intelligence (MICAI'05), Mexico, Lecture Notes in Computer Science, Springer Verlag, Germany, pp. 673-681, 2005.
23. Grosan, C., Abraham, A., Han, S.Y., Gelbukh, A. Hybrid Particle Swarm - Evolutionary Algorithm for Search and Optimization, 4th Mexican International Conference on Artificial Intelligence, Mexico (MICAI'05), Lecture Notes in Computer Science, Springer Verlag, Germany, pp. 623-632, 2005.
24. Abraham A., Grosan, C. Genetic Programming Approach for Fault Modeling of Electronic Hardware, Congress on Evolutionary Computation (CEC'05), Edinburgh, UK, IEEE Press, ISBN 0-7803-9363-5, pp. 1563-1569, 2005.

25. Oltean, M., Grosan, C., Abraham, A., Koeppen, M. Multiobjective Optimization Using Adaptive Pareto Archived Evolution Strategy, 5th International Conference on Intelligent Systems Design and Applications (ISDA'05) Poland, IEEE Computer Society Press, pp. 558-563, 2005.
26. Banerjee, S., Grosan, C., Abraham, A. IDEAS: Intrusion Detection Systems Based on Emotional Ants for Sensors, 5th International Conference on Intelligent Systems Design and Applications (ISDA'05), IEEE Computer Society Press, pp. 344-349, 2005.
27. Banerjee, S., Grosan, C., Abraham, A. Crowd Behavior Modeling Using Emotional Ants, 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'05), Timisoara, Romania, IEEE Computer Society Press, 2005.
28. Grosan, C., Nicoara, M., Abraham, A. Geometrical Place Problems Using Particle Swarm and Evolutionary Algorithms, 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'05), Timisoara, Romania, IEEE Computer Society Press, 2005.
29. Grosan, C., Abraham, A., Han, S.Y. MEPIDS: Multi-Expression Programming for Intrusion Detection System, International Work-conference on the Interplay between Natural and Artificial Computation, (IWINAC'05), Spain, Lecture Notes in Computer Science, LNCS 3562, J. Mira and J.R. Alvarez (Eds.), Springer Verlag, Germany, pp. 163-172, 2005.
30. Oltean, M; Grosan, C, Evolving digital circuits using multi expression programming, 6th NASA/DoD Conference on Evolvable Hardware, Date: JUN 24-26, 2004 Jet Propuls Lab Seattle WA, Pages: 87-90 2004
31. Varga, V; Dumitrescu, D; Grosan, C, Solving stochastic optimization in distributed databases using genetic algorithms, 8th East European Conference of Advances in Databases and Information Systems, Budapest HUNGARY, Volume: 3255 Pages: 259-274, 2004
32. Grosan, C; Oltean, M, Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon-dominance, 4th International Conference on Computational Science (ICCS 2004), Date: JUN 06-09, 2004 Krakow POLAND, Volume: 3037 Pages: 674-677, 2004
33. Oltean, M; Grosan, C; Oltean, M, Designing digital circuits for the knapsack problem, 4th International Conference on Computational Science (ICCS 2004), 2004 Krakow POLAND, Volume: 3038 Pages: 1257-1264, 2004
34. Oltean, M; Grosan, C; Oltean, M, Encoding multiple solutions in a linear genetic programming chromosome, 4th International Conference on Computational Science (ICCS 2004), Date: JUN 06-09, 2004 Krakow POLAND, Volume: 3038 Pages: 1281-1288, 2004
35. Grosan, C., Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon-dominance, Congress on Evolutionary Computation (CEC 2004), Date: JUN 19-23, 2004 Portland OR , Pages: 1958-1963, 2004
36. Grosan, C., A comparison of several algorithms and representations for single objective optimization 6th Annual Genetic and Evolutionary Computation Conference (GECCO 2004), Date: JUN 26-30, 2004 Seattle WA, Pages: 788-789, 2004
37. Abraham, A; Grosan, C, Genetic Programming approach for fault modeling of electronic hardware Conference Information: IEEE Congress on Evolutionary Computation (IEEE CEC 2005), Date: SEP 02-05, 2005 Edinburgh, SCOTLAND, Pages: 1563-1569, 2005

3. Articole științifice indexate în BDI (din lista CNCSIS)

1. C. Grosan, *A Multiobjective Metaheuristic for Job-Shop Scheduling*, Studia Universitatis, Vol. LIV, Nr 1, pp. 97-102, 2009.
2. Abraham, A., Grosan, C., Martin-Vide, C., *Evolutionary Design of Intrusion Detection Programs*, International Journal of Network Security, Vol.4, No.3, pp. 328-339, 2007.
3. Abraham, A., Grosan, A., *Decision Support Systems Using Ensemble Genetic Programming*, Journal of Information Knowledge Management (JIKM), World Scientific Publishing Co., Singapore, Vol. 5, No. 4, pp. 303-313, 2006.
4. Grosan, C, Abraham, A. *Evolving Computer Programs for Knowledge Discovery*, International Journal of System Management, ISSN 0972-6896, Volume 4, No. 2, pp. 7-24, 2006.
5. Abraham, A., Grosan, A., *Decision Support Systems Using Ensemble Genetic Programming*, Journal of Information Knowledge Management (JIKM), World Scientific Publishing Co., Singapore, Vol. 5, No. 4, pp. 303-313, 2006.
6. Grosan, C, Abraham, A. *Evolving Computer Programs for Knowledge Discovery*, International Journal of System Management, ISSN 0972-6896, Volume 4, No. 2, pp. 7-24, 2006.
7. Grosan, C., Abraham, A., Nicoara, M. *Search Optimization Using Hybrid Particle Sub-Swarms and Evolutionary Algorithms*, International Journal of Simulation Systems, Science & Technology, UK, Volume 6, Nos. 10 and 11, pp. 60-79, 2005.
8. Grosan C., Abraham A., Campian R., Tigan S., *Evolution Strategies for Ranking Several Trigeminal Neuralgia Treatments*, Applied Medical Informatics, 17(3-4), pp. 72-78, 2005.
9. Banerjee, S., Abraham, A., Grosan, C. *Intelligent Decision Making for New Product Development and Market Positioning Using Soft Computing*, The ICFAI Journal of System Management, Vol. III, No.4, pp. 51-68, 2005.
10. Tesema, T., Abraham, A., Grosan, C. *Rule Mining and Classification of Road Accidents Using Adaptive Regression Trees*, International Journal of Simulation Systems, Science & Technology, UK, Volume 6, Nos. 10 and 11, pp. 80-94, 2005.
11. Abraham, A., Grosan, C., Chen, Y. *Cyber Security and the Evolution in Intrusion Detection Systems*, Journal of Educational Technology, Special Issue in Knowledge Management, I-Manager Publications, 1(1), pp. 74-81 ISSN 0973-2632, India, 2005.
12. Banerjee, S., Grosan, C., Abraham, A., Mahanti, P.K. *Intrusion Detection on Sensor Networks Using Emotional Ants*, International Journal of Applied Science and Computations, USA, 2005.
13. Banerjee, S., Grosan, C., Abraham, A. *Modeling Crowd Behavior Using Emotional Ants*. Studia Universitas Babeş-Bolyai, Seria Informatica, Volume L, No. 1, pp.37-48, 2005.

4. Alte articole științifice/capitole publicate în reviste/volume cu referenți (peer-reviewed)

1. Abraham, A., Grosan, A., *Pharmaceutical Drug Design Using Dynamic Connectionist Ensemble Networks, Communications and Discoveries from Multidisciplinary Data*, Studies in Computational Intelligence, Springer Verlag, Germany, Vol. 123, Iwata S. et al (Eds.), ISBN: 978-3-540-78732-7, pp. 221-231, 2008.
2. Abraham, A., Liu, H., Grosan, C., Xhafa, X., *Nature Inspired Metaheuristics for Grid Scheduling: Single and Multiobjective Optimization Approaches*, Metaheuristics for Scheduling: Distributed

Computing Environments, Studies in Computational Intelligence, Springer Verlag, Germany, ISBN: 978-3-540-69260-7, pp. 247-272, 2008.

3. Grosan, C., Abraham, A., Engineering Evolutionary Intelligent Algorithms: Methodologies, Architectures and Reviews, Hybrid Evolutionary Algorithms, C. Grosan et al. (Eds.), Studies in Computational Intelligence, Springer Verlag, Germany, ISBN 978-3-540-75395-7, pp. 1-22, 2008.

4. Grosan, C., Abraham, A., Hybrid Evolutionary Algorithms: Methodologies, Architectures and Reviews, Hybrid Evolutionary Algorithms, Studies in Computational Intelligence, C. Grosan et al. (Eds.), Vol. 75, Springer Verlag, Germany, ISBN 978-3-540-73296-9, pp. 1-17, 2007.

5. Grosan, C., Abraham, A., Chis, M., Swarm Intelligence in Data Mining, Swarm Intelligence and Data Mining, A. Abraham, C. Grosan and V. Ramos (Eds.), Studies in Computational Intelligence, Springer Verlag, Germany, ISBN 3-540-34955-3, pp. 1-20, 2006.

6. Grosan, C., Abraham, A. Stigmergic optimization: Foundations, Perspectives and applications, Stigmergic Optimization, Studies in Computational Intelligence, Springer Verlag, Germany, ISBN: 3-540-34689-9, pp. 1-24, 2006.

7. Grosan, C., Abraham, A. Stock Market Modeling Using Genetic Programming Ensembles, Genetic Systems Programming, Nadia Nedjah et al. (Eds.), Studies in Computational Intelligence, Springer Verlag Germany, ISBN: 3-540-29849-5, pp. 131-146, 2006.

8. Abraham, A., Grosan, C. Evolving Intrusion Detection Systems, Genetic Systems Programming, Nadia Nedjah et al. (Eds.), Studies in Computational Intelligence, Springer Verlag Germany, ISBN: 3-540-29849-5, pp. 57-79, 2006.

9. Dumitrescu, D., Grosan, C., Oltean, M. Evolving Continuous Pareto Regions, Evolutionary Multiobjective Optimization: Theoretical Advances and Applications, Abraham A., Jain L. and Goldberg R. (Eds.), Springer Verlag, London, ISBN 1852337877, 167-199, 2005.

10. Grosan, C. A comparison of several evolutionary models and representations for multiobjective optimization, Real World Multi-Objective System Engineering, contributed chapter 3, published by Nova Science, New York, USA, 2005.

5. Cărți științifice publicate în edituri internaționale

6. Cărți științifice publicate în edituri naționale acreditate

7. Editor de volume publicate în edituri naționale și internaționale

1. Ajith Abraham, Crina Grosan, Witold Pedrycz (Eds), Engineering Evolutionary Intelligent Systems, Studies in Computational Intelligence, Springer Verlag, Germany, 2008.
2. Crina Grosan, Ajith Abraham, Hisao Ishibuchi (Eds.), Hybrid Evolutionary Algorithms, Studies in Computational Intelligence, Springer Verlag, Germany, ISBN: 978-3-540-73296-9, 405 pages, 2007
3. Ajith Abraham, Crina Grosan and Vitorino Ramos (Eds.), Swarm Intelligence and Data Mining, Studies in Computational Intelligence, Springer Verlag, Germany, pages 270, ISBN: 3-540-34955-3, 2006
4. Ajith Abraham, Crina Grosan and Vitorino Ramos (Eds.), Stigmergic Optimization, Studies in Computational Intelligence, Springer Verlag, Germany, pages 300, ISBN: 3-540-34689-9, 2006

Criteria II – Prestigiu profesional

1. Citări ale articolelor ISI listate la Criteriul I

Title: A Novel Global Optimization Technique for High Dimensional Functions

Author(s): Grosan, C; Abraham, A

Source: **INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS** Volume: **24** Issue: **4** Pages: **421-440** Published: **2009**

Times Cited: [1](#)

Title: Online hybrid traffic classifier for Peer-to-Peer systems based on network processors

Author(s): Chen, ZX; Yang, B; Chen, YH, et al.

Source: **APPLIED SOFT COMPUTING** Volume: **9** Issue: **2** Pages: **685-694** Published: **2009**

Times Cited: [1](#)

Title: A new approach for solving Nonlinear equations systems

Author(s): Grosan, C; Abraham, A

Source: **IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART A-SYSTEMS AND HUMANS** Volume: **38** Issue: **3** Pages: **698-714** Published: **2008**

Times Cited: [1](#)

Title: Hybrid line search for multiobjective optimization

Author(s): Grosan, C; Abraham, A

Conference Information: **3rd International Conference on High Performance Computing and Communications (HPCC 2007)**, Date: **SEP 26-28, 2007 Houston TX**

Source: **HIGH PERFORMANCE COMPUTING AND COMMUNICATIONS, PROCEEDINGS** Volume: **4782** Pages: **62-73** Published: **2007**

Times Cited: [2](#)

Title: Using traceless genetic programming for solving multi-objective optimization problems

Author(s): Oltean, M; Grosan, C

Source: **JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE** Volume: **19** Issue: **3** Pages: **227-248** Published: **2007**

Times Cited: [2](#)

Title: Evolutionary artificial neural network for selecting flexible manufacturing systems under disparate level-of-satisfaction of decision maker

Author(s): Bhattacharya, A; Abraham, A; Vasant, P, et al.

Conference Information: **3rd International Symposium on Management Engineering (ISME2006)**, Date: **MAR 10-12, 2006 Waseda Univ Tokyo JAPAN**

Source: **INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL** Volume: **3** Issue: **1** Pages: **131-140** Published: **2007**

Times Cited: [3](#)

Title: Modeling intrusion detection system using hybrid intelligent systems

Author(s): Peddabachigari, S; Abraham, A; Grosan, C, et al.

Source: **JOURNAL OF NETWORK AND COMPUTER APPLICATIONS** Volume: **30** Issue: **1** Pages: **114-132** Published: **JAN 2007**

Times Cited: [13](#)

Title: Meta-learning evolutionary artificial neural network for selecting flexible manufacturing systems

Author(s): Bhattacharya, A; Abraham, A; Grosan, C, et al.

Conference Information: **3rd International Symposium on Neural Networks (ISNN 2006)**, Date: **MAY 28-31, 2006 Chengdu PEOPLES R CHINA**

Source: **ADVANCES IN NEURAL NETWORKS - ISNN 2006, PT 3, PROCEEDINGS** Volume: **3973** Pages: **891-897** Published: **2006**

Times Cited: [1](#)

Title: Multiobjective Adaptive Representation Evolutionary Algorithm (MAREA) - a new evolutionary algorithm for multiobjective optimization

Author(s): Grosan, C

Conference Information: **9th Online Conference on Soft Computing in Industrial Applications**, Date: **SEP 20-OCT 08, 2004 ELECTR NETWORK**

Source: **Applied Soft Computing Technologies: The Challenge of Complexity** Pages: 113-121 Published: 2006
Times Cited: [1](#)

Title: Automatic programming methodologies for electronic hardware fault monitoring
Author(s): Abraham, A; Grosan, C
Source: **JOURNAL OF UNIVERSAL COMPUTER SCIENCE** Volume: 12 Issue: 4 Pages: 408-431 Published: 2006
Times Cited: [1](#)

Title: Evolutionary method for nonlinear systems of equations
Author(s): Grosan, C; Abraham, A; Gelbukh, A
Conference Information: **5th Mexican International Conference on Artificial Intelligence (MICAI 2006)**, Date: **NOV 13-17, 2006 Technol Inst Apizaco Apizaco MEXICO**
Source: **MICAI 2006: Advances in Artificial Intelligence, Proceedings** Volume: 4293 Pages: 283-293 Published: 2006
Times Cited: [1](#)

Title: Multiobjective optimization using adaptive pareto archived evolution strategy
Author(s): Oltean, M; Grosan, C; Abraham, A, et al.
Conference Information: **5th International Conference on Intelligent Systems Design and Applications (ISDA 2005)**, Date: **SEP 08-10, 2005 Wroclaw POLAND**
Source: **5th International Conference on Intelligent Systems Design and Applications, Proceedings** Pages: 558-563 Published: 2005
Times Cited: [1](#)

Title: MEPIDS: Multi-expression programming for intrusion detection system
Author(s): Grosan, C; Abraham, A; Han, SY
Conference Information: **1st International Work-Conference on the Interplay Between Natural and Artificial Computation**, Date: **JUN 15-18, 2005 Las Palmas SPAIN**
Source: **ARTIFICIAL INTELLIGENCE AND KNOWLEDGE ENGINEERING APPLICATIONS: A BIOINSPIRED APPROACH, PT 2, PROCEEDINGS** Volume: 3562 Pages: 163-172 Published: 2005
Times Cited: [7](#)

Title: Evolutionary multiobjective optimization approach for evolving ensemble of intelligent paradigms for stock market modeling
Author(s): Abraham, A; Grosan, C; Han, SY, et al.
Conference Information: **4th Mexican International Conference on Artificial Intelligence (MICAI 2005)**, Date: **NOV 14-18, 2005 Monterrey MEXICO**
Source: **MICAI 2005: ADVANCES IN ARTIFICIAL INTELLIGENCE** Volume: 3789 Pages: 673-681 Published: 2005
Times Cited: [1](#)

Title: Emotional ant based modeling of crowd dynamics
Author(s): Banarjee, S; Grosan, C; Abraham, A
Conference Information: **7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing**, Date: **SEP 25-29, 2005 Timisoara ROMANIA**
Source: **Seventh International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Proceedings** Pages: 279-286 Published: 2005
Times Cited: [1](#)

Title: Adaptive representation for single objective optimization
Author(s): Grosan, C; Oltean, M
Source: **SOFT COMPUTING** Volume: 9 Issue: 8 Pages: 594-605 Published: **AUG 2005**
Times Cited: [5](#)

2. Alte citări ale lucrărilor listate mai sus

3. Citări în perioada 2005-2009 ale articolelor anterioare anului 2005

Title: Solving stochastic optimization in distributed databases using genetic algorithms
Author(s): Varga, V; Dumitrescu, D; Grosan, C
Conference Information: **8th East European Conference of Advances in Databases and Information Systems**, Date: **SEP 22-25, 2004 Budapest HUNGARY**
Source: **ADVANCES IN DATABASES AND INFORMATION SYSTEMS**,

PROCEEDINGS Volume: **3255** Pages: **259-274** Published: **2004**
Times Cited: [1](#)

Title: Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon-dominance

Author(s): Grosan, C; Oltean, M

Conference Information: **4th International Conference on Computational Science (ICCS 2004)**, Date: **JUN 06-09, 2004 Krakow POLAND**

Source: **COMPUTATIONAL SCIENCE - ICCS 2004, PT 2, PROCEEDINGS** Volume: **3037** Pages: **674-677** Published: **2004**

Times Cited: [1](#)

Title: Designing digital circuits for the knapsack problem

Author(s): Oltean, M; Grosan, C; Oltean, M

Conference Information: **4th International Conference on Computational Science (ICCS 2004)**, Date: **JUN 06-09, 2004 Krakow POLAND**

Source: **COMPUTATIONAL SCIENCE - ICCS 2004, PT 3, PROCEEDINGS** Volume: **3038** Pages: **1257-1264** Published: **2004**

Times Cited: [3](#)

Title: Encoding multiple solutions in a linear genetic programming chromosome

Author(s): Oltean, M; Grosan, C; Oltean, M

Conference Information: **4th International Conference on Computational Science (ICCS 2004)**, Date: **JUN 06-09, 2004 Krakow POLAND**

Source: **COMPUTATIONAL SCIENCE - ICCS 2004, PT 3, PROCEEDINGS** Volume: **3038** Pages: **1281-1288** Published: **2004**

Times Cited: [4](#)

Title: Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon-dominance

Author(s): Grosan, C

Conference Information: **Congress on Evolutionary Computation (CEC 2004)**, Date: **JUN 19-23, 2004 Portland OR**

Source: **CEC2004: PROCEEDINGS OF THE 2004 CONGRESS ON EVOLUTIONARY COMPUTATION, VOLS 1 AND 2** Pages: **1958-1963** Published: **2004**

Times Cited: [1](#)

Title: A comparison of several algorithms and representations for single objective optimization

Author(s): Grosan, C

Conference Information: **6th Annual Genetic and Evolutionary Computation Conference (GECCO 2004)**, Date: **JUN 26-30, 2004 Seattle WA**

Source: **GENETIC AND EVOLUTIONARY COMPUTATION - GECCO 2004, PT 1, PROCEEDINGS** Volume: **3102** Pages: **788-789** Published: **2004**

Times Cited: [1](#)

Title: Solving classification problems using infix form genetic programming

Author(s): Oltean, M; Grosan, C

Conference Information: **5th International Symposium on Intelligent Data Analysis**, Date: **AUG 28-30, 2003 BERLIN GERMANY**

Source: **ADVANCES IN INTELLIGENT DATA ANALYSIS V** Volume: **2810** Pages: **242-253** Published: **2003**

Times Cited: [2](#)

Title: Evolving evolutionary algorithms using multi expression programming

Author(s): Oltean, M; Grosan, C

Conference Information: **7th European Conference on Artificial Life**, Date: **SEP 14-17, 2003 DORTMUND GERMANY**

Source: **ADVANCES IN ARTIFICIAL LIFE, PROCEEDINGS** Volume: **2801** Pages: **651-658** Published: **2003**

Times Cited: [13](#)

4. Distincții, premii și alte recunoașteri naționale și internaționale

5. Studenți naționali atrași (activități de coordonare științifică și didactică)

- Îndrumare lucrari de licență (număr lucrări susținute)

8 lucrari licenta

- Îndrumare lucrări de disertație (număr lucrări susținute)
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)
- Post-doctoranzi (lista nominală)

6. Studenți internaționali atrați (activități de coordonare științifică și didactică)

- Îndrumare lucrări de licență (număr lucrări susținute)
- Îndrumare lucrări de disertație (număr lucrări susținute)
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)
- Post-doctoranzi (lista nominală)

Referent pentru :

Teza Master : Using SetPSO to determine RNA secondary structure

Autor: Charles Marais Neethling

Pretoria University, South Africa

Teza Doctorat :

ANALYSIS OF NUMBER THEORETIC TRANSFORM BASED CRYPTOSYSTEM, GROUP SIGNATURES, e-VOTING AND A FACTORIZATION ALGORITHM

Autor: C. Porkody

Anna University, India

7. Membru in comitetul de redacție la reviste ISI

8. Membru in comitetul de redacție la reviste BDI

- Editor, International Journal of Computational Intelligence Research
- Editor , International Journal of Software Reuse, vrlSoft, Inc., USA
- Editor , International Journal of Theoretical and Applied Computer Sciences, GBS Publishers, India
- Editor , International Journal of Innovative Computing and Applications, Inderscience Publishers, Geneva, Switzerland
- Editor , International Journal of Unified Software Engines

12. Coordonări de programe/granturi finanțate din sursă națională (se menționează și valoarea)

1.NOI TEHNICI EVOLUTIVE PENTRU OPTIMIZARE: APLICATII IN DETERMINAREA STRUCTURII CRISTALINE A SUBSTANTELOR SI IN INTEROGAREA BAZELOR DE DATE DISTRIBUITE, CNCSIS Td17, 2003-2005, director grant.

Valoare 11,010

2. EURISTICI DE INSPIRATIE NATURALA PENTRU ANALIZA DATELOR DE DIMENSIUNI FOARTE MARI. APLICATII IN MODELAREA PIETEI DE CAPITAL, DETECTAREA INTRUZIIILOR, INFORMATICA MEDICALA, CNCSIS At68, 2006-2008, director grant

Valoare 34,500

3. CALCUL ȘTIINȚIFIC ȘI OPTIMIZARE PENTRU APLICĂȚII INTERDISCIPLINARE, CNCSIS IDEI, 2009-2011, DIRECTOR GRANT

Valoare 650,003

13. Profesor invitat la universități de prestigiu, cu titlu oficial

14. Membru în comisii profesionale relevante, cu titlu oficial

15. Conferințe invitate internaționale

1. Grosan, C., Abraham, A., Helvik, B., Building Multiobjective Resilient Networks, Tenth International Conference on Computer Modeling and Simulation, UKSIM/EUROSIM 2008, Cambridge, UK, IEEE Computer Society Press, USA, ISBN ISBN 0-7695-3114-8, pp. 204-209, 2008.

16. Membru în comitete de organizare sau științifice ale unor conferințe internaționale

- 1) Genetic and Evolutionary Computation Conference (GECCO), Canada, 2009
- 2) Ninth International Conference on Hybrid Intelligent Systems (HIS), China, 2009.
- 3) Ninth International Conference on Intelligent Systems design and Applications (ISDA), Italy, 2009
- 4) World Congress on Nature and Biologically Inspired Computing (NABIC), Coimbatore, India, 2009
- 5) The International Conference on Management of Emergent Digital EcoSystems (MEDES), Lyon, France, 2009.
- 6) Ninth International Conference on Hybrid Intelligent Systems (HIS), Shenyang, Liaoning, China, 2009.
- 7) 20th International Conference on Database and Expert Systems Applications (DEXA), Linz, Austria, 2009.
- 8) Third Asia International Conference on Modelling & Simulation Bandung and Bali, Indonesia, 2009.
- 9) 11th International Conference on Computer Modeling and Simulation (UKSIM), Emmanuel College, Cambridge, England, 2009.
- 10) Eight International Conference on Hybrid Intelligent Systems (HIS), Barcelona, Spain, 2008.
- 11) Third International Conference on Digital Information Management (ICDIM), London, UK, 2008.
- 12) World Congress on Computational Intelligence (WCCI): Congress on Evolutionary Computation (CEC), Hong Kong, 2008.
- 13) Eight International Conference on Intelligent Systems Design and Applications (ISDA), Taiwan, 2008.
- 14) European Modelling Symposium, EMS2008, Liverpool, 2008.
- 15) Eight International Conference on Hybrid Intelligent Systems (HIS), Barcelona, Spain, 2008.
- 16) Third International Conference on Digital Information Management (ICDIM), London, UK, 2008.
- 17) World Congress on Computational Intelligence (WCCI): Congress on Evolutionary Computation (CEC), Hong Kong, 2008.
- 18) Eight International Conference on Intelligent Systems Design and Applications (ISDA), Taiwan, 2008.
- 19) Second Asia International Conference on Modelling & Simulation (AMS), Kuala Lumpur, Malaysia, 2008.
- 20) 10th International Conference on Computer Modeling and Simulation (UKSIM), Emmanuel College, Cambridge, England, 2008.
- 21) First Asia International Conference on Modelling & Simulation (AMS), Phuket, Thailand, 2007.
- 22) Seventh International Conference on Hybrid Intelligent Systems (HIS), Germany, 2007.
- 23) Mexican International Conference on Artificial Intelligence (MICAI), Aguascalientes, Mexico, 2006

- 24) Seventh International Conference on Intelligent Systems Design and Applications (ISDA),
- 25) Brazil, 2007
- 26) Third Workshop on Natural Computation and Applications (NCA), in conjunction with 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2006.
- 27) Second International Conference on Digital Information Management (ICDIM), France, 2007.
- 28) Sixth International Conference on Hybrid Intelligent Systems (HIS), New Zealand, 2006.
- 29) Second Workshop on Natural Computation and Applications (NCA), in conjunction with 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2006.
- 30) First International Conference on Digital Information Management (ICDIM), Bangalore, India, December, 2006.
- 31) The First International Workshop on Intelligent Application in Product Lifecycle Management (IAPLM), China, 2006.
- 32) Mexican International Conference on Artificial Intelligence (MICAI), Apizaco, Mexico, 2006
- 33) 11th Online World Conference on Soft Computing in Industrial Applications (WSC11), World Wide Web, September 18 - October 06, 2006.
- 34) The sixth International Conference on Intelligent Systems Design and Applications (ISDA), Jinan, China, October 16-18, 2006.
- 35) Fifth International Conference on Soft Computing as Transdisciplinary Science and Technology (CSTST), Cergy Pointoise /Paris, France, 2008
- 36)
- 37) The Fourth IEEE International Workshop on Soft Computing as Transdisciplinary Science and Technology (WSTST), Muroran, Japan, 2005.
- 38) Special Session on Grid Security, International Conference on Information Security (ICIS), Tenerife, Canary Islands, Spain, 2005.
- 39) Nineteenth International Joint Conference on Artificial Intelligence Edinburgh (IJCAI), 2005 (Poster program).
- 40) Fifth International Conference on Hybrid Intelligent Systems (HIS), Rio de Janeiro, Brazil, 2005.
- 41) Fourth Mexican International Conference on Artificial Intelligence (MICAI), Monterrey, Mexico, 2005.

Data:

Semnătura:

Certific validitatea datelor prezentate

Sef de catedră,