Lucrări în jurnale cotate ISI

Anul 2010 :

1. A. Defant, **D. Popa**, U. Schwarting - Coordinatewise multiple summing operators in Banach spaces, Journal of Functional Analysis (J. Funct. Anal.) 259, No. 1, 220-242 (2010). FI: 1,247. (SRI: 1.81436)
2. **D. Popa** - Multilinear variants of Pietsch's composition theorem, Journal of Mathematical Analysis and Applications 370 (2), 15 October 2010, p. 415-430. FI 1.225. (SRI: 1.07823)
3. **D. Popa** - Averages and compact, absolutely summing and nuclear operators on C(Ω), J. Korean Math. Soc., 47, No. 5, 899-924, 2010. FI: 0,374. (SRI: 0.41518)
4. **D. Popa**, Multilinear variants of Maurey and Pietsch theorems and applications, Journal of Mathematical Analysis and Applications, vol. 368, issue 1, 2010, 157-168, IF 1.225. (SRI: 1.07823)
5. **Popa C.** - Extended and Constrained Diagonal Weighting Algorithm with application to inverse problems in image reconstruction. Inverse Problems, 26 (2010) 065004 (17pp). IF: 1.900. (SRI: 1.51665)
6. **Popa C.** - A hybrid Kaczmarz - Conjugate Gradient algorithm for image reconstruction, Mathematics and Computers in Simulation, 80 (12) (2010), pp. 2272 - 2285. IF: 0.946. (SRI: 0.82112)
7. **Popa C.** - Iterative solvers for Tikhonov regularization of dense inverse problems. INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, vol. 87 (14), 3199-3208, 2010. IF: 0.478. (SRI: 0.32223)
8. Juncu Gh., **Nicola A., Popa C.** - Nonlinear multigrid methods for numerical solution of the unsaturated flow equation in two space dimensions, Transport in Porous Media, 83 (2010), pp.637-652. IF: 0.966. (SRI: 1.54321)
9. **Costara, C.** - Automatic continuity for linear surjective mappings decreasing the local spectral radius at some fixed vector, Archiv der Mathematik, Volume 95, Number 6, (2010), p. 567-573. IF: 0.373 (SRI: 0.69106)
10. **Costara, C**.; D. Repovs - Spectral isometries onto algebras having a separating family of finite-dimensional irreducible representations, Journal of Mathematical Analysis and Applications, Vol. 365, Nr. 2 (2010), p. 605-608. IF: 1.225. (SRI: 1.07823)
11. **Costara, C.**; D. Repovs, Nonlinear mappings preserving at least one eigenvalue, Studia Mathematica, Vol. 200, Nr. 1 (2010), p. 79-89. IF: 0.645. (SRI: 0.95122)
12. **V. Ene**, O. Olteanu, N. Terai - Arithmetical rank of lexsegment edge ideals, Bull. Math. Soc. Sci. Math. Roumanie, Tome 53 (101), no.4, 2010, 315-327. IF: 0.554. (SRI: 0)
13. **V. Ene**, A. Olteanu, L. Sorrenti - Properties of lexsegment ideals, Osaka J. Math., 47, 2010, 1-21. FI: 0.414. (SRI: 0.82114)
14. **(a) C. Enache** - Maximum principles and symmetry results for a class of fully nonlinear elliptic PDE's. NODEA Nonlinear Differential Equations and Applications, 17 (5) (2010), 591-600. FI: 0.670. (SRI: 0.94345)
15. C. Cranganu and **E. Bautu**, Using gene expression programming to estimate sonic log distributions based on the natural gamma ray and deep resistivity logs: A case study from the Anadarko Basin, Oklahoma , Journal of Petroleum Science and Engineering, February 2010, Volume 70, Issue 3-4, p.243-255, (2010), IF: 1.065. (SRI: 2.74098)
16. **A. Barbulescu** and **E. Bautu** - Mathematical models of climate evolution in Dobrudja, Theoretical and Applied Climatology, Volume 100, Issue 1-2, p.29-44, (2010), IF: 1.776. (SRI: 1.08696)

17. (a) I. Cristea, **M. Stefanescu** - Hypergroups and n-ary relations, Eur. J. Combinatorics, 31 (2010), 780-789. FI: 0.822. (SRI: 1.19512)
18. A. Ostafe, **E. Pelican**, I. Shparlinski - On Pseudorandom Numbers from Multivariate Polynomial Systems. Finite Fields and Their Applications, 16 (5), 2010, 320-328. IF: 0.779. (SRI: 1.17583)
19. Asimit, A., Furman, E. and **Vernic, R.** – On a Multivariate Pareto Distribution. Insurance: Mathematics and Economics 46, 308-316, 2010. IF: 0.960. (SRI: 0.99413)
20. **Popovici D.M.**, Querrec R., **Bogdan C.M.**, Popovici N. - A Behavioral Perspective of Virtual Heritage Reconstruction, International Journal of Computers Communications & Control, ISSN 1841-9836, 5(5): 884-891, 2010. IF: 0.373. (SRI: 0)
21. F. Ghionea, **C. Flaut -** An algorithm for optimization the Romanian railway transport network, Metalurgia International 11, 2010, p. 116-122. IF: 0,173. (SRI: 0)
22. **C. Popa** - *On Cimmino's reflection algorithm*, Proceedings of the Romanian Academy, Series A, vol. 9, No. 1, January-April 2008. (SRI: 0)
23. **D. Sburlan** - Notes on Catalytic P Systems, Romanian Journal of Information Science and Technology, 13, 2 (2010), pp. 207-216, IF. 0.075 (SRI: 0)

-fara FI calculat-
24. (a) P. Anghel, C. Ciobanu, **M. Stefanescu** - On idempotents in generalized rings, Bul. Inst. Pol. Bucuresti, ser. mat-fiz, nr. 3 , 2010, 59-68. IF: 0.
25. **Vernic, R**., Dhaene, J., Sundt, B.- Inequalities for the De Pril approximation to the distribution of the number of policies with claims. Scandinavian Actuarial Journal no.4, pp. 249–267, 2010. IF: 0.

Anul 2009 :

1. **C. Flaut** and **M. Stefanescu** - Some equations over generalized quaternion and octonion division algebras, Bull. Math. Soc. Sci. Math. Roumanie 4, 2009, p.427-439, f.i. 2009: 0,554. (SRI: 0)
2. **D. Popa** - Reverse inclusions for multiple summing operators, J. Math. Anal. Appl. 350, No. 1, 360-368 (2009). (SRI: 1.07823)
3. **D. Popa**, 2-Summing operators on C([0, 1]), lp) with values in l1, Proceedings of the Indian Academy of Sciences-Mathematical Sciences, vol. 119, no. 1, april 2009, p. 221-230, Copublishing Arrangement with Springer. (SRI: 0.45528)
4. **(a) A. Olteanu -** Constructible ideals. Communications in Algebra 37, Issue 5 (2009) , p. 1656 – 1669. (SRI: 0.59485)
5. **L. Barbu**, E. Cosma - "Elliptic Regularizations for the Nonlinear Heat Equation". Journal of Mathematical Analysis and Applications 351 (2009), pp. 392-399. (SRI: 1.07823)
6. A. Agnew, **A. Bobe, W. Boskoff**, B. Suceava – "Gheorghe Titeica and the origins of affine differential geometry". Historia Mathematica 36 (2), (2009), 161-170. (SRI: 2.80255)
7. **D. Sburlan** – "On Parallel Graph Rewriting Systems". International Journal of Computers, Communications & Control, 4, 3 (2009), 283-290. (SRI: 0)
8. Teodorescu, S. and **Vernic, R.**- "Some composite exponential-pareto models for actuarial prediction". Romanian Journal of Economic Forecasting 12 (4), 82-100, 2009. (SRI: 0)
9. **D.M. Popovici**, J.P. Gerval, F. Hamza-Lup, R. Querrec, M. Polceanu, N. Popovici, R. Zagan – "3D virtual spaces supporting engineering learning activities", International

Journal of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. IV (2009), No. 4, pp. 401-414. (SRI: 0)

10. **A. Bărbulescu**, C. Koncsag – "Mass transfer at Propanethiol - Buthanethiol Alkaline Extraction from Sour Petroleum Fraction", Revista de Chimie, Vol.60, No.4, Aprilie 2009, pp. 414-418, IF: 0.261 (ISSN 0034 – 7752). (SRI: 0.09274)

-fara FI calculat-

11. **D. Savin, C. Flaut**, C. Ciobanu - Some properties of the symbol algebras, Carpathian Journal of Mathematics, 25(2), p. 239-245, 2009, 190 cod CNCSIS.

12. **D. Popa** - A remark on Bochner integrability, Quaestiones Mathematicae 2009, 32 (1), p.1–3. (n-are FI)

13. **(a) M. Stefanescu** and M. Tarnauceanu – "Counting maximal chains of subgroups of finite nilpotent groups". Carpathian Jornal of Mathematics 2009, vol. 25, no.1, 119-127.

14. Gh. Juncu, **A. Nicola, C. Popa, T. Udrescu** – "Nonlinear multigrid methods for solving Richards' equation in two space dimensions". Carpathian Journal of Mathematics, vol.25, (1), 82-91, 2009.

15. **A. Nicola** and **C. Popa** – "Sparse Matrix Techniques in Scientific Computing". Studies in Informatics and Control, Vol. 18, No.1, p. 33-39, 2009.

Anul 2008 :

1. **(a) M. Stefanescu**, I. Cristea - *On the fuzzy grade of hypergroups*. Fuzzy Sets and Systems, 159(2008), 1097-1106. (SRI: 1.18861)

2. **(a) M. Stefanescu**, I. Cristea - *Binary relations and reduced hypergroups*. Discrete Mathematics 308 (2008), pp. 3537 – 3544. (SRI: 0.69241)

3. **V. Ene**, Popescu, D. - *On the Structure of Maximal Cohen-Macaulay Modules over the Ring k[[x,y]]/(x^n)*. Algebr. Represent. Theory, **11** (2), 2008, 191-205. (SRI: 0.76829)

4. **D. Popa** - *Integral and nuclear operators on the space* $C(\Omega,c\sb 0)$. Rocky Mountain J. Math. 38(2008), no. 1, 253-265. (SRI: 0.35501)

5. **W.Boskoff**, B.D.Suceava - *Barbilian metrization procedure in the plane yields either Remannian or Lagrange Generalized metrics*, The Czechoslovak Mathematical Journal 58 (4), 1059-1068, 2008. (SRI: 0.41599)

6. C. I. Koncsag, **A. Bărbulescu** - *Modeling the removal of mercaptans from liquid hydrocarbon streams in structured packing columns*, Chemical Engineering and Processing, **47** (2008), pp. 1717 – 1725. (SRI: 1.55556)

7. **Popa C.** - Constrained Kaczmarz Extended algorithm for image reconstruction, Linear Algebra and its Applications, 429(2008), 2247 - 2267. (SRI: 0.92951)

8. Mohr M., **Popa C.** - Numerical solution of symmetric least-squares problems with an inversion-free Kovarik type-algorithm; Intern. Journal of Computer Math., 85 (2) (2008), 271-286. (SRI: 0.32223)

9. C. Bolance, M. Guillen, E. Pelican and **R. Vernic** - *Skewed bivariate models and nonparametric estimation for the CTE risk measure,* Insurance: Mathematics and Economics 43 (3), 386-393, (2008). (SRI: 0.99413)

- fara FI-

10. F. Ghionea, **C. Flaut** - *An optimization of a transportation problem*, Metalurgia International, **13 (1)** (2008), 48-56 index CNCSIS 480.

11. **Bogdan C.M.**, Păduraru A. - *Concern and Business Rule-Oriented Approach to Construction of Domain Ontologies*, Int. J. of Computers, Communications & Control,

ISSN 1841-9836, E-ISSN 1841-9844, Vol III (2008), Suppl. Issue: Proceedings of the International Conference of Computers, Communications and Control (ICCCC 2008), pag. 185-189.

12. Pavel A.F., **Bogdan C.M. -** *Object-Oriented Construction of Portals Using AJAX*, Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol III (2008), Suppl. Issue, pag. 442-447.

13. **Popovici D.M.**, **Bogdan C.M.**, Matei A., Voinea V., Popovici N. - *Virtual Heritage Reconstruction based on an Ontological Description of the Artifacts*, Int. J. of Computers, Communications & Control, ISSN 1841-9836, Vol III (2008), Suppl. Issue, pag. 460-464.

14. **Alexandrescu, A.** - *A Development Process for Enterprise Information Systems Based on Automatic Generation of the Components*. International Journal of Computers, Communications & Control, vol. III (2008). Suppl. Issue, pag. 168-172.

15. **A. Leahu,** C. E. Lupu - *Statistical simulation and prediction in software reliability*. Analele Univ. Ovidius Constanța, Seria Matematică, vol. XVI (1), 2008, pp 81-90.

Anul 2007 :

1. **W. Boskoff**, B.D. Suceava, *Barbilian Spaces: the History of a Geometric Idea,* Historia Mathematica; vol.34, no.2, pp. 221-224 (2007). (SRI: 2.80255)

2. **W. Boskoff**, B.D. Suceava, **M.Ciuca**, *Distances obtained by Barbilian's metrization procedure*, Houston J. Math. **33,** no.3, pp.709-717 (2007). (SRI: 0.61924)

3. **Popa D.**, *Khinchin's inequality, Dunford-Pettis and compact operators on the space C([0,1],X)*, Proc. Indian Acad. Sci., Math. Sci. 117, No. 1, 13-30 (2007). Zbl. 1124.47023. (SRI: 0.45528)

4. **Popa D.**, *Examples of operators on C[0, 1] distinguishing certain operator ideals*, Arch. Math. 88, No. 4, 349-357 (2007). Zbl. 1124.47013. (SRI: 0.69106)

5. **Popa D.**, *Examples of summing, integral and nuclear operators on the space C([0,1],X) with values in c_0*, J. Math. Anal. Appl. 331, No. 2, 850-865 (2007). Zbl. 1116.47019. (SRI: 1.07823)

6. **C. Costara**, T. Ransford, *On local irreducibility of the spectrum*. Proceedings of the American Mathematical Society, vol.135 (9), 2779-2784 (2007). (SRI: 1.07359)

7. Tang, Q. and **Vernic, R.** – *"The Impact on Ruin Probabilities of the Association Structure among Financial Risks"*. Statistics & Probability Letters, 77 (14), pag. 1522-1525, (2007). (SRI: 0.46054)

8. **A. Barbulescu**, C.I. Koncsag, *A new model for estimating mass transfer coefficients for the extraction of ethanethiol with alkaline solutions in packed columns*. Applied Mathematical Modelling 31 (2007), 2515-2523. (SRI: 1.43575)

9. J.A. Mackenzie, **A. Nicola**, *A discontinuous Galerkin moving mesh method for Hamilton-Jacobi equations*. SIAM J. Sci. Comput. 29 (6), (2007), 2258-2282. (SRI: 2.32843)

10. **Popa C** - Algebraic multigrid smoothing property of kaczmarz's relaxation for general rectangular linear systems. ELECTRONIC TRANSACTIONS ON NUMERICAL ANALYSIS Volume: 29   Pages: 150-162   Published: 2007. (SRI: 0.81332)

Anul 2006 :

1. **D. Ibadula**, The Arboreal Structure of the Metric Space X:=GL2(Qp)/Qp* GL2(Zp), Communication in algebra, 34, No 12(2006), 4563-4571 (SRI: 0.59485)

2. **D. Popa**, Measures with bounded variation with respect to a normed ideal of operators and applications, Positivity, 10, No. 1, 87-94, 2006. (SRI: 0.5664)

3. **E.M. Craciun**, E. Soos, Antiplane States in an Elastic Body Containing an Elliptical Hole. Crack Propagation , Math. Mech. Solids, 11, 459-466, (2006). (SRI: 1.01325)

4. **A. Bărbulescu**, V. Marza, Electrical effect induced at the boundary of an acoustic cavitation zone, Acta Physica Polonica B, vol.37, No. 2 (2006), p. 507-518 (SRI: 0.54713)

5. **A. Bărbulescu**, Models of the voltage induced by cavitation in hydrocarbons, Acta Physica Polonica B, vol. 37, Vo.10 (2006) (SRI: 0.54713)

6. Juncu Gh., Mosekilde E., **Popa C**. – Numerical experiments with MG continuation algorithms, Applied Numerical Mathematics, 56(2006), 844 – 861. (SRI: 1.18358)

7. **Vernic, R**. – "Multivariate Skew–Normal distributions with applications in insurance". Insurance: Mathematics & Economics, vol. 38, no. 2, pag.413–426, 2006. (SRI: 0.99413)

- fara FI-

8. (a) **C. Enache** - Maximum principles for a class of nonlinear second-order elliptic boundary value. BOUNDARY VALUE PROBLEMS, article no. 64543, 2006.

Conferinte cotate ISI
Anul 2010

1. **Bogdan C**, Serbanati LD - Concern-Oriented and Ontology-Based Analysis of Information Systems. INFORMATION SYSTEMS: PEOPLE, ORGANIZATIONS, INSTITUTIONS, AND TECHNOLOGIES   Pages: 245-253, 2010 (5th Conference of the Italian Chapter of the Association-for-Information-Systems (ItAIS), DEC 13-14, 2008 Paris, FRANCE).

2. Duta M, Amariei C, Zaharia A, **Bogdan CM**, **Popovici DM**, et al. - Virtual reality and augmented technologies used in simulation of teeth preparation in fixed prosthodontics.(6th International Seminar on the Quality Management in Higher Education, JUL 08-09, 2010 Tulcea, ROMANIA). QUALITY MANAGEMENT IN HIGHER EDUCATION, VOL 2   Pages: 431-434   Published: 2010.

3. **D. Savin**, On the Diophantine Equation $\frac{x5+y5}{x+y}$ =5z5, Proceedings of the 12th WSEAS Int. Conf. on MATHEMATICAL Method,   COMPUTATIONAL TECHNIQUES AND INTELLIGENT
SYSTEMS (MAMECTIS '10),May 3-6,2010, Sousse, Tunisia.

4. **Bărbulescu A.**, D-C. Toncu, Modelling Precipitation Influence on Tăbăcărie Lake Water Quality, Mathematical Methods, Computational Techniques, Intelligent Systems, 2010, pp.152 - 158 (ISSN: 1790 - 2769, ISBN: 978 – 960 – 474 – 188 – 5) www.wseas.us/e-library/conferences/2010/Tunisia/MAMECTIS/MAMECTIS-28.pdf

5. **Bărbulescu A**, C. Şerban (Gherghina), C. Maftei, Evaluation of Hurst exponent for precipitation time series, Latest Trends on Computers, Vol.II, 2010, pp. 590 – 595, (ISSN: 1792 – 4251, ISBN: 978 – 960 – 474 – 213 – 4) www.wseas.us/e-library/conferences/2010/Corfu/COMPUTERS/COMPUTERS2-31.pdf

6. C. Şerban (Gherghina), C. Maftei, **A. Bărbulescu**- Estimation of Evapotranspiration Using Remote Sensing Data and Grid Computing: A Case Study in Dobrogea, Romania, Latest Trends on Computers, Vol. II, 2010, pp. 596 – 601 (ISSN: 1792 – 4251, ISBN: 978 – 960 – 474–213–4)
www.wseas.us/e-library/conferences/2010/Corfu/COMPUTERS/COMPUTERS2-32.pdf

Anul 2009

1. M. Ionescu, **D. Sburlan** – "On P Systems with Adjoining Controlled Communication Rules", International Journal of Unconventional Computing, (OCP Science, Philadelphia, USA), 5 (2009), pp. 441-457. (5th Brainstorming Week on Membrane Computing, JAN 29-FEB 02, 2007 Sevilla, SPAIN).

2. **A. Bărbulescu** and **E. Băutu** - "Alternative Models in Precipitation Analysis", Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.17 (3), 45-68, (2009), 5-th ICDSA conference.

3. **R. Vernic**, S Teodorescu and **E. Pelican** – "Two LogNormal models for real data". Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.17 (3), 263-279, (2009), 5-th ICDSA conference.

4. **C. Sburlan** - "Numerical Discrete Algorithm for Some Nonlinear Problems". Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.17 (3), 251-262, (2009), 5-th ICDSA conference.

5. L. Marsavina, **E.-M. Craciun** – "The asymptotic stress field for free edge joints under small-scale yielding conditions", Analele Stiintifice ale Universitatii Ovidius Constanta, seria Matematica, vol.17 (3), 171-181, (2009), 5-th ICDSA conference.

6. **D. Savin** – "About a Diophantine Equation". Annals of the University „Ovidius" of Constanta, Romania, Ser. Mat., 17 (3), 241-250, (2009), 5-th ICDSA conference.

7. Bonanzinga V, **Ene V, Olteanu A**, et al. - An overview on the minimal free resolutions. COMBINATORIAL ASPECTS OF COMMUTATIVE ALGEBRA, Book Series: Contemporary Mathematics vol. 502, Pg. 5-24, 2009 (Workshop on Combinatorial Commutative Algebra and Computer Algebra, may 29-31, 2008 Mangalia, ROMANIA).

8. **A. Barbulescu, E. Pelican** - ARIMA models for the analysis of the Precipitation Evolution. Proceedings of the 13th WSEAS International Conference on COMPUTERS, ISBN: 978-960-474-099-4, ISSN: 1790-5109, 2009.

9. **E. Băutu**, Sun Kim, A. Băutu, H. Luchian, and Byoung-Tak Zhang - "Evolving Hypernetwork Models of Binary Time Series for Forecasting Price Movements on Stock Markets", IEEE Congress on Evolutionary Computation (CEC 2009), pp. 166-173, 2009.

10. Bautu A, **Bautu E**, Luchian H - Searching Ground States of Ising Spin Glasses with a Tree Bond-based Representation. PROCEEDINGS OF THE 10TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING Pages: 501-506, 2009.

11. **Bautu E**, Bautu A, Luchian H - An Evolutionary Approach for Modeling Time Series. PROCEEDINGS OF THE 10TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING Pages: 507-513, 2009.

12. Bautu A, **Bautu E** - Energy minimization of point charges on a sphere with particle swarms. ROMANIAN JOURNAL OF PHYSICS 54 (1-2), pg. 29-36, 2009 (8th International Balkan Workshop on Applied Physics, JUL 05-07, 2007 Constanta).

13. **Olteanu, A**. - Regularity and the case of few generators for Stanley-Reisner ideals of subword complexes. COMBINATORIAL ASPECTS OF COMMUTATIVE ALGEBRA Book Series: Contemporary Mathematics 502, pg. 157-168, 2009 (Workshop on Combinatorial Commutative Algebra and Computer Algebra, MAY 29-31, 2008 Mangalia, ROMANIA).

14. A. Carabineanu, N. Peride, E. Rapeanu, **E.M. Craciun** – "Mathematical modelling of the interface crack. A new improved numerical model", Computational Materials

Science 46 (3), p. 677-681, (2009) (18th International Workshop on Computational Mechanics of Materials, OCT 07-10, 2008 Beijing Inst Technol, Beijing).

15. T. Sadowski, L. Marsavina, N. Peride, **E.-M. Craciun** – "Cracks propagation and interaction in an orthotropic elastic material: Analytical and numerical methods", Computational Materials Science 46 (3), p. 687-693, (2009) (18th International Workshop on Computational Mechanics of Materials, OCT 07-10, 2008 Beijing Inst Technol, Beijing).

16. N. Peride, A. Carabineanu, **E.M. Craciun** – "Mathematical modelling of the interface crack propagation in a pre-stressed fiber elastic composite" , Computational Materials Science, 45(3), p. 684-692, (2009) (17th International Workshop on Computational Mechanics of Materials, AUG 22-24, 2007 Mines Paris Tech, Paris, FRANCE).

17. **Craciun EM**, Sadowski T - Mathematical modelling of the crack propagation in wood materials. (International Conference on Strength of Materials Laboratory at 85 Years, NOV 21-22, 2008 Timisoara, ROMANIA) ADVANCES IN STRENGTH OF MATERIALS Book Series: KEY ENGINEERING MATERIALS 399, 177-182, 2009.

18. **Bogdan CM** - Domain ontology of the roman artifacts found in the tomis fortress. (Conference on Knowledge Engineering Principles and Techniques 2009, JUL 02-04, 2009 Cluj Napoca, ROMANIA) KEPT 2009: KNOWLEDGE ENGINEERING PRINCIPLES AND TECHNIQUES Book Series: Knowledge Engineering Principles and Techniques Pages: 117-123 Published: 2009.

19. **Ibadula D** - The Igusa Local Zeta Functions of GL(2)(Q(p))-orbit of Fermat's Binary Form (Workshop on Combinatorial Commutative Algebra and Computer Algebra, MAY 29-31, 2008 Mangalia, ROMANIA). COMBINATORIAL ASPECTS OF COMMUTATIVE ALGEBRA Book Series: Contemporary Mathematics   Volume: 502 Pages: 59-71 Published: 2009.

20. **Bogdan CM** - Concern-Oriented and Ontology-Based Design Approach of Software Architectures. PROCEEDINGS OF THE 10TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING Pages: 249-252 Published: 2009.

21. **Bogdan C.,** "Domain Ontology of the Roman Artifacts found in the Tomis Fortress", Knowledge Engineering. Principles and Techniques. Selected Papers, editors Militon Frențiu and Horia F. Pop, Presa Universitara Clujeană, Romania, ISSN 2067-1180, pag. 117-123, 2009

Anul 2008

1. M. Ionescu, **D. Sburlan** - *Some Applications of Spiking Neural P Systems*, Computing and Informatics, 27, 3+, 515-528, 2008 (8th International Workshop on Membrane Computing, JUN 25-28, 2007 Thessaloniki, GREECE).

2. R. Brijder, M. Cavaliere, A. Riscos-Nunez, G. Rozenberg, **D. Sburlan** - *Membrane Systems with Proteins Embedded in Membranes*, Theoretical Computer Science 404, 1-2 (2008), pp. 26-39 (33rd International Colloquium on Automata, Languages and Programming, JUL 10-14, 2006 Venice, ITALY).

3. **Popa C.** - On numerical solution of arbitrary symmetric linear systems by approximate orthogonalization, Mathematics and Computers in Simulation 79 (4), 1033-1038, 2008 (5th Vienna International Conference on Mathematical Modelling, FEB, 2006 Vienna, AUSTRIA).

4. **A. Bărbulescu,** D-C.Toncu, L. Orac, *Analysis and models of some composites corrosion evolution,* Proceedings of the 1st WSEAS International Conference on Materials Science (MATERIALS'08) - RECENT ADVANCES IN MATERIALS SCIENCE Book Series: Mathematics and Computers in Science and Engineering pg. 63-69, 2008.

5. **A. Bărbulescu, E. Pelican** – *On the Sulina Precipitation Data Analysis using the ARMA and a neureal network technique,* Proceedings of the 10th WSEAS Int. Conf. On Mathematical and Computational Methods in Science and Engineering (MACMESE'08), Bucuresti, 7-9 Noiembrie 2008.

6. Maftei C, **Barbulescu A** - Statistical analysis of climate evolution in Dobrudja region, World Congress on Engineering 2008, JUL 02-04, 2008 Imperial Coll London, London, ENGLAND, Book Series: Lecture Notes in Engineering and Computer Science, pg: 1082-1087, 2008.

7. Bautu A, **Bautu E** - Searching Ground States of Ising Spin Glasses with Genetic Algorithms and Binary Particle Swarm Optimization. NATURE INSPIRED COOPERATIVE STRATEGIES FOR OPTIMIZATION (NICSO 2007) Book Series: STUDIES IN COMPUTATIONAL INTELLIGENCE vol.129, pg. 85-94, 2008 (International Workshop on Nature Inspired Cooperative Strategies for Optimization, NOV 08-10, 2007 Acireale, ITALY).

8. M. Parvan, F. Ghionea, **C. Flaut -** *A mathematical model of the relevant request determination in the transport problem,* Mathematics and Computer in Business and Economics, Proceedings of the 9th WSEAS International on Mathematics and Computer in Business and Economics(MCBE' 08), Bucuresti, 24-26 iunie 2008, pag. 105-111.

9. **C. Flaut**, F. Ghionea, M. Parvan – *Optimization of urban transport network,* Mathematics and Computer in Business and Economics, Proceedings of the 9th WSEAS International on Mathematics and Computer in Business and Economics(MCBE' 08), Bucuresti, 24-26 iunie 2008, pag. 111-115.

10. N. Peride, **E.M. Craciun**, A. Carabineanu, L. Marsavina - *Mixed mode crack propagation in advanced materials*, J. Opt.. Adv. Mater. **10** (11), p. 2870-2876, (2008) (9th International Balkan Workshop on Applied Physics, JUL 07-09, 2008 Constanta, ROMANIA).

11. L. Marsavina, **E.M. Craciun**, R. A. Tomlinson - *Combining thermo-photo elasticity for analysis of cracked bodies*, J. Opt.. Adv. Mater., **10** (11), p. 2876-2883, (2008) (9th International Balkan Workshop on Applied Physics, JUL 07-09, 2008 Constanta, ROMANIA).

12. **E. M. Craciun**, A. Carabineanu, N. Peride - *Antiplane interface crack in a pre-stressed fiber-reinforced elastic composite*, Comp. Mat. Sci., **43**(1) , p. 184-189, (2008) (16th International Workshop on Computational Mechanics of Materials, SEP 25-26, 2006 Lublin, POLAND).

13. **Popovici DM**, Gerval JP, Hamza-Lup F, et al. - Learning Distributed Activities Inside 3D Virtual Spaces. PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON VIRTUAL LEARNING Book Series: Proceedings of the International Conference on Virtual learning Pages: 289-296 Published: 2008.

14. **Popovici DM**, Polceanu M - Interactive Informative Unit Based on Augmented Reality technology. PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON VIRTUAL LEARNING Book Series: Proceedings of the International Conference on Virtual learning Pages: 307-316 Published: 2008.

15. **Zaharescu E**, Zaharescu GA - Hypermedia System for Online e-Learning and e-Testing in Project Management. PROCEEDINGS OF THE 3RD INTERNATIONAL

CONFERENCE ON VIRTUAL LEARNING   Book Series: Proceedings of the International Conference on Virtual learning   Pages: 343-350   Published: 2008.

16. **Craciun EM**, Carabineanu A, Peride N - Fracture analysis of an oblique crack propagation in a pre-stressed glass-epoxy composite. ADVANCES IN FRACTURE AND DAMAGE MECHANICS VII   Book Series: KEY ENGINEERING MATERIALS   Volume: 385-387   Pages: 733-736   Published: 2008 (7th International Conference on Fracture and Damage Mechanics, SEP 09-11, 2008 Seoul, SOUTH KOREA).

17. Andrei Băutu, **Elena Băutu**, and Henri Luchian, "Searching Ground States of Ising Spin Glasses with a Tree Bond-based Representation". In Proceedings of the *Ninth international Symposium on Symbolic and Numeric Algorithms For Scientific Computing* (September 26 - 29, 2008). SYNASC. IEEE Computer Society, Washington,   DC,   501-506.   online http://doi.ieeecomputersociety.org/10.1109/SYNASC.2008.62

18. **Elena Băutu**, Andrei Băutu and Henri Luchian, "An Evolutionary Approach for Modeling Time Series. In *Proceedings of the 10th international Symposium on Symbolic and Numeric Algorithms For Scientific Computing,*(September 26 - 29, 2008). SYNASC. IEEE Computer Society, Washington, DC, 507-513. DOI= http://dx.doi.org/10.1109/SYNASC.2008.63

Anul 2007

1. Ionescu M, **Sburlan D** - P systems with adjoining controlled communication. Fundamentals of Computation Theory, Proceedings;   Book Series: LECTURE NOTES IN COMPUTER SCIENCE Vol. 4639,   Pg. 353-364, 2007 (16th International Symposium on Fundamentals of Computation Theory, AUG 27-30, 2007 Budapest, HUNGARY).

2. M. Cavaliere, R. Freund, M. Oswald, **D. Sburlan**, *Multiset random context grammars, checkers and transducers*. Theoretical Computer Science 372 (2007), 136-151 (4th Brainstorming Week on Membrane Computing, JAN 30-FEB 03, 2006 Seville, SPAIN).

3. **Bautu E**, Bautu A, Luchian H - AdaGEP - An Adaptive Gene Expression Programming Algorithm. 9th INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, proceedings, Pg. 403-406, 2007.

4. Bautu A, **Bautu E**, Luchian H - Particle Swarm Optimization Hybrids for Searching Ground States of Ising Spin Glasses. 9th INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, proceedings, Pg. 403-406, 2007.

5. **E. Băutu**, **E. Pelican**, *Numerical Solution For Fredholm First Kind Integral Equations Occurring In Synthesis of Electromagnetic Fields*, Rom.Journ.Phys., Vol. 52, Nos. 3-4, P. 225-235, Bucharest, 2007 (7th International Balkan Workshop on Applied Physics, JUL 05-07, 2006 Constanta, ROMANIA).

6. **E. Băutu**, A. Băutu, Q*uantum Circuit Design by Means of Genetic Programming*, Rom.Journ.Phys., Vol. 52, Nos. 3-4, P. 313-317, Bucharest, 2007 (7th International Balkan Workshop on Applied Physics, JUL 05-07, 2006 Constanta, ROMANIA).

7. A. Băutu, **E. Băutu,** *Searching Ground States Of Ising Spin Glases With Particle Swarms*, Rom.Journ.Phys., Volume 52, Number 5-6, pg. 337-342, 2007 (7th International Balkan Workshop on Applied Physics, JUL 05-07, 2006 Constanta, ROMANIA).

8. **Bogdan C,** Luzi D, Ricci FL, Serbanati LD**,** *Towards an Ontology using a Concern-Oriented Approach for Information Systems Analysis*, Enterprise Interoperability II, New Challenges and Approaches, Gonçalves, R.J.; Müller, J.P.; Mertins, K.; Zelm, M. (Eds.), 329-332, Springer-Verlag, 2007.

9. **Bogdan C**, Serbanati LD - A concern-oriented and ontology-based approach to constructing facets of information systems. ICSOFT 2007: PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE ON SOFTWARE AND DATA TECHNOLOGIES, VOL ISDM/WSEHST/DC, 220-223, 2007.

10. D. Sopu, **D.M. Popovici**, M.A. Girtu, *Molecular dynamics simulation of defect formation in irradiated face centered cubic materials*. J. Optoelectronics and Advanced Materials 9 (4), (2007), 799-809 (7th International Balkan Workshop on Applied Physics, JUL 05-07, 2006 Constanta, ROMANIA).

11. **Popa C, Udrescu T** - A fast solver for magnetostatic field. (7th International Balkan Workshop on Applied Physics, JUL 05-07, 2006 Constanta, ROMANIA) ROMANIAN JOURNAL OF PHYSICS Volume: 52 Issue: 3-4 Pages: 257-269 Published: 2007.

12. **Nicola, A**. - Filtering shocks in discrete approximations to hyperbolic conservation laws. (7th International Balkan Workshop on Applied Physics, JUL 05-07, 2006 Constanta, ROMANIA) ROMANIAN JOURNAL OF PHYSICS Vol.52, Issue: 5-7, 525-532 2007.

Anul 2006

13. R. Brijder, G. Rozenberg, M. Cavaliere, **D. Sburlan**, Membrane Systems with External Control, Lecture Notes in Computer Science, 4361 (2006), 226—245 (7th International Workshop on Membrane Computing, JUL 17-21, 2006 Leiden, NETHERLANDS).

14. E.Csuhaj–Varju, R. Feund, **D. Sburlan**, Modeling Dynamical Parallelism in Bio–systems, Lecture Notes in Computer Science, 4361 (2006), 330—351 (7th International Workshop on Membrane Computing, JUL 17-21, 2006 Leiden, NETHERLANDS).

15. **D. Sburlan**, Non–cooperative P Systems Characterize PsET0L, Lecture Notes in Computer Science, 3850 (2006), 363—370 (6th International Workshop on Membrane Computing, JUL 18-21, 2005 Vienna, AUSTRIA).

16. **D. Sburlan**, Further results on P systems with promoters/inhibitors. INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE vol. 17 (1), Pg. 205-221, 2006 (Workshop on Cellular Computing (Complexity Aspects), JAN 31-FEB 02, 2005 Seville Univ, Seville, SPAIN).

17. **Mancas C**, Mancas S - MatBase relational import subsystem. Proceedings of the IASTED International Conference on Databases and Applications Pages: 123-128, 2006.

18. **Popovici DM**, Popovici N - Teaching Through Projects. PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON VIRTUAL LEARNING - VIRTUAL LEARNING - VIRTUAL REALITY: MODELS & METHODOLOGIES, TECHNOLOGIES, SOFTWARE SOLUTIONS Book Series: Proceedings of the International Conference on Virtual learning Pages: 59-66 Published: 2006.

19. **D.M.Popovici**, C.Septseault, R.Querrec, *Motivate them to communicate*, Eds. Thalmann, D; Sourin, A, Proceedings of the International Conference on Cyberworlds (CW 2006), NOV 28-29, 2006, Lausanne, SWITZERLAND, pgs. 198-205, ISBN 978-0-7695-2671-3. (WOS)