

**ПРИЛОЖЕНИЕ 2. СПИСЪК НА ЦИТАТИТЕ И/ИЛИ ОТЗИВИ, ПУБЛИКУВАНИ  
ПРЕЗ 2014 Г. С ИЗКЛЮЧЕНИ САМОЦИТАТИ** (608)

----- 1984 -----

1. Andreev, R. Lazarov, M. Hatri, Superconvergence of the gradients in the finite element method for some elliptic and parabolic problems, *Variational-Difference Methods in Mathematical Physics, Part II*, Moscow, 13-25, 1984.

**Цитирана от:**

1. R. Jari, L Mu , *Superconvergence of  $H$  (div) finite element approximations for the Stokes problem by local  $L^2$ -projection methods*, Journal of Computational and Applied Mathematics, 2014, Volume 278, 278–292.  
<http://www.sciencedirect.com/science/article/pii/S0377042714004543>
2. Atanassova, L., Atanassov, K. An example for a ‘genuine’ intuitionistic fuzzy set, *Third Int. In Symp. " Automation and Sci. Instrumentation"*, Varna, October, 1984, 58-60.

**Цитирана от:**

2. Szmidt, E. *Distances and similarities in intuitionistic fuzzy sets*, Vol. 307, 2014, 1-132, Springer. ISBN 978-3-319-01640-5

----- 1988 -----

3. Andreev A.B., and R.D. Lazarov, Superconvergence of the gradient for quadratic triangular finite elements, *Numer. Methods for PDEs*, 4, 1988, 15-32.

**Цитирана от:**

3. Harris, S. Harris, *Superconvergence of weak Galerkin finite element approximation for second order elliptic problems by  $L^2$ -projections*, Applied Mathematics and Computation, Vol. 227, 610-621, 2014.  
<http://www.sciencedirect.com/science/article/pii/S0096300313012344>
4. Stoilova K., T.Stoilov. Traffic noise and traffic light control. *J. International journal of Transportation Research, part D.*, 1998 ,vol.3, №6, 399-417

**Цитирана от:**

4. Khaled Abdul Rahman Jomaa and Ali A.J Adham. *An Integrated Model to Enhance the Transportation Methods in Malaysia: Review Paper*. AENSI Journals. Journal of Applied Science and Agriculture, , 9(18) Special 2014,: 88-94 ISSN 1816-9112,
5. Mihajlov D., M Praščević, D Cvetković *An analysis of the environmental noise levels on the territory of the city of Niš* . - Zroc. of the 4th International and 23rd National conference Noise and vibration. 17-19.10.2014..49-58.. University of Nish, Serbia,
6. Salomons EM. *Traffic noise and vehicle movement at a controlled intersection*. Noise Control Engineering Journal, Volume 62, Number 1, 1, 10-26(17), January 2014,

----- 1989 -----

5. Andreev, R. D., Algorithm for Clipping Arbitrary Polygons. *Computer Graphics Forum*, Vol. 8, no. 3, 183–191, September 1989, ISSN 1467-8659

**Цитирана от:**

7. Song Shuhua, Pu Chen ,Dong Chen. *Simple Polygon Clipping Algorithm*, Computer Engineering and Design, no. 1, 2014, 192-197, ISSN 1000-7024
8. Chakraborty, Anurag, *An Extension Of Weiler-Atherton Algorithm To Cope With The Self-intersecting Polygon*, Cornell University Library, 4 Mar 2014, arXiv: 1403.0917C, Ref. NASA ADS

----- 1991 -----

6. Vassilev V., Genova K. An algorithm of internal feasible directions for linear integer programming , *European Journal of Operational Research*, 52 (2), 1991, 203-214, ISSN: 0377-2217, doi: 10.1016/0377-2217(91)90081-6

**Цитирана от:**

9. Souza Brito, S., Gambini Santos, H., Miranda Santos, B.H. *A local search approach for binary programming: Feasibility search*, 9th International Workshop on Hybrid Metaheuristics, HM 2014; Hamburg; Germany, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 8457, LNCS, 2014, 45-55, ISSN:0302-9743

----- 1992 -----

7. Andreev, A.B., V.A. Kascieva and M. Vanmaele, Some results in lumped mass finite-element approximation of eigenvalue problems using numerical quadrature formulas, *Journal of computational and applied mathematics*, Vol. 43, No 3, 291-311, 1992.

**Цитирана от:**

10. S.P.Oliveira, J.S. Azevedo, *Spectral element approximation of Fredholm integral eigenvalue problems*, *Journal of Computational and Applied Mathematics*, Vol. 257, 46–56, 2014.  
<http://www.sciencedirect.com/science/article/pii/S0377042713004214>
8. Gurov T., Minimization of the probable error of Monte Carlo method for solving of integral equation, *Mathematica Balkanica*, Vol. 6, 1992, 237-249.

**Цитирана от:**

11. Mojtaba Moradia, Zaynab Ayatia, Mohammad Ali, Mirzazadeh, *Numerical and Simulation Methods for Solving of Non-Linear Fredholm Integro-Differential Equations*, *International Journal of Applied Mathematics and Computation*, Volume 5(4), 2014, 35-43, ISSN: 0974 - 4665

----- 1993 -----

9. Dimov, T., and O. Tonev, *Monte Carlo Algorithms: Performance Analysis for Some Computer Architectures*, Journal of Computational and Applied Mathematics, Vol. 48, 1993, 253-277.

**Цитирана от:**

12. Atanassov, Emanuil, Todor Gurov, and Aneta Karaivanova. *Simulation of Electron Transport Using HPC Infrastructure in South-Eastern Europe*. High-Performance Computing Infrastructure for South East Europe's Research Communities. Springer International Publishing, 2014. 1-13.  
[http://rd.springer.com/chapter/10.1007/978-3-319-01520-0\\_1#page-1](http://rd.springer.com/chapter/10.1007/978-3-319-01520-0_1#page-1)

10. Shapiro, V., G. Gluhchev, V. Sgurev: Handwritten document image segmentation and analysis. Journal of Pattern Recognition Letters, January, 1993, Vol. 14 (1), pp. 71-78, DOI: 10.1016/0167-8655(93)90134-Y

**Цитирана от:**

1. Saabni, R., A. Asi, J. El-Sana, *Text line extraction for historical document images*, Pattern Recognition Letters, Vol. 35 (1), 23-33, 2014, DOI: 10.1016/j.patrec.2013.07.007,
2. Wu, Y., S. Zha, H. Cao, D. Liu, P. Natarajan, *A Markov chain based line segmentation framework for handwritten character recognition*, Proceedings of SPIE - The International Society for Optical Engineering, Vol. 9021, Art. No. 90210C, February 2014, DOI: 10.1117/12.2042600,

----- 1994 -----

11. Gurov T. V., Monte Carlo methods for non-linear equations, Advances in Numerical Methods and Applications, 1994, 127-135.

**Цитирана от:**

15. Mojtaba Moradie, Zaynab Ayatia, Mohammad Ali, Mirzazadeh, *Numerical and Simulation Methods for Solving of Non-Linear Fredholm Integro-Differential Equations*, International Journal of Applied Mathematics and Computation, Volume 5(4), 2014, 35-43, ISSN: 0974 - 4665
12. Megson, G., V. Aleksandrov, I. Dimov, *Systolic Matrix Inversion Using a Monte Carlo Method*, Journal of Parallel Algorithms and Applications, Vol. 3, 1994, 311-330.

**Цитирана от:**

16. Beebe, Nelson HF. *A Complete Bibliography of Publications in Parallel Algorithms and Applications*. 2014.  
[http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=0,5&sciodt=0,5&cites=8267979925410692670&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=0,5&sciodt=0,5&cites=8267979925410692670&scipsc=)

- 13. Nicholls D.J. and T.D. Tagarev, "What Does Chaos Theory Mean for Warfare?" *Airpower Journal*, vol. 8, no. 3, Fall 1994. 48-57. ISSN 0897-0823.**

**Цитирана от:**

17. Nathan O. Schmidt, Reza Katebi, and Christian Corda, *Launching the chaotic realm of iso-fractals: a short remark*, 2014, <http://vixra.org/pdf/1407.0198v1.pdf>  
18. Nathan O. Schmidt, *Initiating the Newtonian Gravitational N-Body Spherical Simplification Algorithm on the Inopin Holographic Ring Topology*, 2014, <http://www.rxiv.org/pdf/1305.0202v2.pdf>

- 14. Vassilev, V., Genova, K. An approximate algorithm for nonlinear integer programming , European Journal of Operational Research, ISSN: 0377-2217, 74 (1), 1994, 170-178. doi: 10.1016/0377-2217(94)90215-1**

**Цитирана от:**

19. Schneider, E.R.F.A., Krohling, R.A. *A hybrid approach using TOPSIS, Differential Evolution, and Tabu Search to find multiple solutions of constrained non-linear integer optimization problems*, Knowledge-Based Systems, Vol. 62, 2014, 47-56, ISSN:0950-7051

----- 1995 -----

- 15. Atanassova, L. C. Remark on the cardinality of the intuitionistic fuzzy sets. Fuzzy sets and systems, vol. 75(3), 399-400, 1995, ISSN: 0165-0114.**

**Цитирана от:**

20. Szmidt, E. *Distances and similarities in intuitionistic fuzzy sets*, Vol. 307, 1-132, 2014, Springer. ISBN 978-3-319-01640-5.

- 16. Gray, A. and T.D. Tagarev, A Transformational Model for Transcultural Leadership, In: Brown, J.M. and K. Tomervik, eds., Diversity in Organizational Transformation, University of Minnesota, 1995, 17-44.**

**Цитирана от:**

21. Slavko Angelevski and Metodi Hadji-Janev, *Contemporary Challenges in Military Education – Macedonian Military Academy in the Context*, Sodobni vojaški izzivi /Contemporary Military Challenges/ 16, no. 2, June 2014, 41:56, [http://www.slovenskavojska.si/fileadmin/slovenska\\_vojska/pdf/vojaski\\_izzivi/2014/SVI\\_16\\_2.pdf](http://www.slovenskavojska.si/fileadmin/slovenska_vojska/pdf/vojaski_izzivi/2014/SVI_16_2.pdf). ISSN 2232-2825

----- 1996 -----

- 17. Dimov, I.T., U. Jaekel, H. Vereecken, A Numerical Approach for Determination of Sources in Transport Equations. J. Computers and Mathematics with Applications, Vol. 32, No. 5, 1996, pp. 31-42.**

**Цитирана от:**

22. Hazart, Aurélien, et al. *Inverse transport problem of estimating point-like source using a Bayesian parametric method with MCMC*. Signal Processing 96 (2014): 346-361.  
<http://www.sciencedirect.com/science/article/pii/S016516841300323X>

**18. Dimov, I.T., A. Karaivanova, H. Kuchen, H. Stoltze, Monte Carlo Algorithms for Elliptic Differential Equations. Data Parallel Functional Approach, Journal of Parallel Algorithms and Applications, Vol. 9, 1996, 39-65.**

**Цитирана от:**

23. Beebe, Nelson HF. *A Complete Bibliography of Publications in Parallel Algorithms and Applications.*, 2014.  
[http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=0,5&sciodt=0,5&cites=14304007762264078234&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=0,5&sciodt=0,5&cites=14304007762264078234&scipsc=)

**19. Dimov, I.T., A. Karaivanova and P. Yordanova, Monte Carlo Algorithms for calculating eigenvalues, Second International Conference on Monte Carlo and Quasi-Monte Carlo methods in scientific computing, University of Salzburg, 8-12 July, 1996, in: Proceedings of MC & QMC 96, Springer Notes in Statistics (H. Niederreiter, P. Hellekalek, G. Larcher and P. Zinterhof, Eds)), 1998, 205-220.**

**Цитирана от:**

24. Blanchet, Jose, Peter Glynn, and Shuheng Zheng. *Theoretical analysis of a Stochastic Approximation approach for computing Quasi-Stationary distributions*. arXiv preprint arXiv:1401.0364, 2014 <http://arxiv.org/abs/1401.0364>
25. Zheng, Shuheng. *Stochastic Approximation Algorithms in the Estimation of Quasi-Stationary Distribution of Finite and General State Space Markov Chains*. Diss. COLUMBIA UNIVERSITY, 2014.  
<http://academiccommons.columbia.edu/catalog/ac:177124>
- 20. Margenov, S., Semi-coarsening AMLI algorithms for elasticity problems, in Proceedings of the Conference on Algebraic Multilevel Iteration Methods with Applications, June 13-15 (1996), University of Nijmegen, volume 2, 179-193**

**Цитирана от:**

26. M. Lymbery, *Robust Balanced Semi-coarsening Multilevel Preconditioning of Bicubic FEM Systems*, Springer LNCS 8352 (2014), 628-635, ISSN 0302-9743
- 21. Шаламанов, В., Т. Тагарев, Информационни аспекти на сигурността (София, Прокон, 1996 г., 200 стр.**

**Цитирана от:**

27. Радослав Киров, *Информационната война в кризата в Украйна*, Военен журнал, т. 121, бр. 3, 2014, 67-74.

**22. Tagarev, T.D. The Bulgarian Military Education at a Crossroads. Sofia, Institute for Security and International Studies, Research Report 4, 1996, 29 pp.**

**Цитирана от:**

28. Slavko Angelevski and Metodi Hadji-Janev, “Contemporary Challenges in Military Education – Macedonian Military Academy in the Context,” Sodobni vojaški izzivi /Contemporary Military Challenges/ 16, no. 2 (June 2014): 41:56, [http://www.slovenskavojska.si/fileadmin/slovenska\\_vojska/pdf/vojaski\\_izzivi/2014/SVI\\_16\\_2.pdf](http://www.slovenskavojska.si/fileadmin/slovenska_vojska/pdf/vojaski_izzivi/2014/SVI_16_2.pdf). ISSN 2232-2825

----- 1997 -----

**23. Agre, G. Diagnostic Bayesian Networks. "Computers and Artificial Intelligence", Vol. 16, 1997, No. 1, pp.47-67, Bratislava, Slovak Republic.**

**Цитирана от:**

29. Fortier, Nathan, John Sheppard, and Shane Strasser. Learning Bayesian classifiers using overlapping swarm intelligence. Swarm Intelligence (SIS), 2014 IEEE Symposium on. IEEE, 9-12 Dec., 2014. Orlando, FL, US, 1-8, DOI: 10.1109/SIS.2014.7011796

**24. Dimov, T. Gurov, Monte Carlo Algorithm for Solving Integral Equations with Polynomial Non-linearity. Parallel Implementation, Pliska (Studia Mathematica Bulgarica), Vol. 13 (2000), Proceedings of the 9th International Summer School on Probability Theory and Mathematical Statistics, Sozopol, 1997, 117-132.**

**Цитирана от:**

30. Hatterjee, Kausik, John R. Roadcap, and Surendra Singh. *A new Green's function Monte Carlo algorithm for the solution of the two-dimensional nonlinear Poisson–Boltzmann equation: Application to the modeling of the communication breakdown problem in space vehicles during re-entry*. Journal of Computational Physics 276, 2014, 479-485.

<http://www.sciencedirect.com/science/article/pii/S002199911400535X>

31. Moradi, Mojtaba, Zaynab Ayatia, and MohammadAli Mirzazadeha. *Numerical and simulation methods for solving of non-linear Fredholm integro-differential equations*. International Journal of Applied Mathematics and Computation 5.4, 2014. [http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=0,5&sciodt=0,5&cites=10637371241065511139&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=0,5&sciodt=0,5&cites=10637371241065511139&scipsc=)

**25. Petrova, M., Koprinkova, P., Patarinska, T., Neural network modelling of fermentation processes. Microorganisms cultivation model, Bioprocess Engineering, February 1997, Volume 16, Issue 3, 145-149; DOI 10.1007/s004490050301, Print ISSN 0178-515X, Online ISSN 1615-7605**

**Цитирана от:**

32. Galanakis, Ch.M., Patsiourac, A., Gekas, V., *Enzyme kinetics modeling as a tool to optimize food industry: a pragmatic approach based on amylolytic enzymes*, Critical

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

Reviews in Food Science and Nutrition, 2014 Apr 23. DOI  
10.1080/10408398.2012.725112

- 26. Tagarev, T. *The Role of Military Education in Harmonizing Civil-Military Relations (The Bulgarian Case)*, Final Report, NATO Fellowship Programme, Sofia, June 1997, <http://www.nato.int/acad/fellow/95-97/tagarev.pdf>**

**Цитирана от:**

33. Ulises Miranda III, *Exploring the Essence of the Civil–Military Gap: An Interpretative Phenomenological Study of High School Administrators' Feelings Related to JROTC*, PhD Dissertationp Rochester, NY: St. John Fisher College, Fisher Digital Publications, August 2014

----- 1998 -----

- 27. T. Dimov, T. Dimov, T. Gurov, A New Iterative Monte Carlo Approach for Inverse Matrix Problem, **Journal of Computational and Applied Mathematics**, Vol. 92, 1998, 15-35.**

**Цитирана от:**

34. Farnoosh, Rahman, Mahboubeh Aalaei, and Morteza Ebrahimi. *Combined probabilistic algorithm for solving high dimensional problems*. Stochastics An International Journal of Probability and Stochastic Processes ahead-of-print, 2014, 1-18.  
<http://www.tandfonline.com/doi/abs/10.1080/17442508.2014.914515#.VIMLOoxxmUk>
35. Atanassov, Emanuil, Todor Gurov, and Aneta Karaivanova. Simulation of Electron Transport Using HPC Infrastructure in South-Eastern Europe. High-Performance Computing Infrastructure for South East Europe's Research Communities. Springer International Publishing, 2014. 1-13.  
[http://rd.springer.com/chapter/10.1007/978-3-319-01520-0\\_1#page-1](http://rd.springer.com/chapter/10.1007/978-3-319-01520-0_1#page-1)

- 28. Dimov, I.T., T.V. Gurov, Estimates of the computational complexity of iterative Monte Carlo algorithm based on Green's function approach, Mathematics and Computers in Simulation, Vol. 47, 1998, 183-199.**

**Цитирана от:**

36. Vavalis, Manolis, and George Sarailidis. *IMPLEMENTING HYBRID PDE SOLVERS*.  
[http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=0,5&sciodt=0,5&cites=13362271360245791968&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=0,5&sciodt=0,5&cites=13362271360245791968&scipsc=)
- 29. Koprinkova, P., Petrova, M., Patarinska, T., Bliznakova, M., Neural Network Modelling of Fermentation Processes. Specific Kinetic Rates Models, Cybernetics and Systems: An International Journal, vol.29, No3, 1998, 303-317; DOI 10.1080/019697298125731.**

**Цитирана от:**

37. Iliev, S., Popova, S., *Electricity Consumption Prediction System for the Public Transportation*, WSEAS TRANSACTIONS on SYSTEMS, Volume 13, 2014, 638-643; E-ISSN 2224-2678 638,  
<http://www.wseas.org/multimedia/journals/systems/2014/b125702-084.pdf>
38. Popova, S., Iliev, S., Trifonov, M., *Neural Network Prediction of the Electricity Consumption of Trolleybus and Tram Transport in Sofia City, Latest Trends in Energy, Environment and Development*, 2014, 116-120; ISBN 978-960-474-375-9.  
<http://www.wseas.us/e-library/conferences/2014/Salerno/ENED/ENED-14.pdf>
- 30. Peneva V., I. Popchev - Comparison of clusters from fuzzy numbers, Fuzzy Sets and Systems, 97 (1), ISSN 0165-0114, 1998, 75-81.**

**Цитирана от:**

39. Wu C. W., M. Y. Liao. *Fuzzy nonlinear programming approach for evaluating and ranking process yields with imprecise data*, Fuzzy Sets and Systems, 246, ISSN 0165-0114, 2014,. 142-155.  
<http://www.sciencedirect.com/science/article/pii/S0165011413004417>
40. Mwaikambo E., A. Rajabifard, M. Hagai. *Modelling cost estimation for accessing spatial data using fuzzy logic and time-driven activity based costing in the context of an NSDI*. Journal of Spatial Science, DOI 10.1080/14498596.2014.915768, 2014,
- 31. Petrova, M., Koprinkova, P., Patarinsaka, T., Bliznakova, M., Neural Network Modelling of Fermentation Processes. Specific Growth Rate Model, Bioprocess Engineering, vol.18, No4, April 1998, 281-287; DOI 10.1007/s004490050442, Print ISSN 0178-515X, Online ISSN 1615-7605.**

**Цитирана от:**

41. Iliev, S., Popova, S., *Electricity Consumption Prediction System for the Public Transportation*, WSEAS TRANSACTIONS on SYSTEMS, Volume 13, 2014, pp.638-643; E-ISSN 2224-2678 638.  
<http://www.wseas.org/multimedia/journals/systems/2014/b125702-084.pdf>
42. Popova, S., Iliev, S., Trifonov, M., *Neural Network Prediction of the Electricity Consumption of Trolleybus and Tram Transport in Sofia City, Latest Trends in Energy, Environment and Development*, 2014, 116-120; ISBN 978-960-474-375-9.  
<http://www.wseas.us/e-library/conferences/2014/Salerno/ENED/ENED-14.pdf>

----- 1999 -----

- 32. Atanassov, E., I. Dimov, A new optimal Monte Carlo method for calculating integrals of smooth functions, Journal of Monte Carlo Methods and Applications, Vol. 5, 1999, No 2, 149-167.**

**Цитирана от:**

43. Gobet, Emmanuel, and Khushboo Surana. *A new sequential algorithm for L2-approximation and application to Monte-Carlo integration*. 2014.  
<https://hal.archives-ouvertes.fr/hal-00972016/>

- 33. Hadjiski M., N. Christova, P. Groumpos - Design of hybrid models for complex systems, Proc. of ESIT, Crete, 1999.**  
[http://www.erudit.de/erudit/events/esit99/12773\\_p.pdf](http://www.erudit.de/erudit/events/esit99/12773_p.pdf)

**Цитирана от:**

44. Díaz A. O. C., A. I. G. Santos, A. R. Ramos, J. M. Álvarez, M. M. Hernández - *Determinación de la Posición Angular de Motor de Reluctancia Comutada MFR132, 5 con Estimador de Horizonte Deslizante*, Revista Iberoamericana de Automática e Informática Industrial RIAI, 11 (4), 2014, 395-405.

- 34. Atanas Kiryakov and Kiril Simov. Ontologically Supported Semantic Matching. NoDaLiDa'99 (Nordic Conference on Computational Linguistics). Trondheim, Norway. November 1999. ISBN 8292225005, 9788292225004.**

**Цитирана от:**

45. KULKARNI, Sumant, et al. SortingHat: *A framework for deep matching between classes of entities*. In: Data Engineering Workshops (ICDEW), 2014 IEEE 30th International Conference on. IEEE, 2014, . 90-93.  
46. ELBEDWEIHY, Khadija Mohamed. Effective, *Usable and Learnable Semantic Search*, 2014, PhD Thesis. University of Sheffield.

**----- 2000 -----**

- 35. Atanasova, T. Nern, H.-J. Hamalainen, M. Eldin H.N., Distributed heterogeneous knowledge data base for control system design: multiagent development and support Proceedings of the 2000 IEEE International Symposium on Intelligent Control, 2000, 363-368, ISBN: 0-7803-6491-0.**

**Цитирана от:**

47. D. Monticolo, H Darwiche, V Hilaire, *An agent-based system to build project memories during engineering projects*, Knowledge-Based Systems, Elsevier Volume 68, September 2014, 88–102, ISSN: 0950-7051.  
<http://www.sciencedirect.com/science/article/pii/S0950705113004024>
- 36. Daciuk, J., Watson, B.W., Mihov, S., Watson, R.E., Incremental construction of minimal acyclic finite-state automata, Computational Linguistics, 26 (1), 3-16., 2000**

**Цитирана от:**

48. Bubenzer, J., *Cycle-aware minimization of acyclic deterministic finite-state automata*, Discrete Applied Mathematics, 163 (PART 3), 2014, 238-246.  
49. Evershed, J., Fitch, K., *Correcting noisy OCR: Context beats confusion*, ACM International Conference Proceeding Series, 2014, 45-51.  
50. Ristov, S., Korenčić, D., *Fast construction of space-optimized recursive automaton*, Software - Practice and Experience, 2014  
51. Marcin Wolinski, *Morfeusz Reloaded*, LREC 2014, 1106-1111

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

- [http://www.lrec-conf.org/proceedings/lrec2014/pdf/768\\_Paper.pdf](http://www.lrec-conf.org/proceedings/lrec2014/pdf/768_Paper.pdf)
52. Shuhei Denzumia, Ryo Yoshinakab, Hiroki Arimuraa, Shin-ichi Minatoa, *Sequence binary decision diagram: Minimization, relationship to acyclic automata, and complexities of Boolean set operations*, Discrete Applied Mathematics, Available online 13 December 2014.
53. Amrita Bhattacharjee, Bipul Syam Purkayastha, *A Novel Approach to Construct Deterministic Finite State Automata*, International Journal Of Engineering And Computer Science ISSN:2319-7242 Volume 3 Issue 1, Jan 2014, 3700-3703.
- 37. Daskalova H., Kolchakov K. Some investigations for optimizations of information interchange. Proc. of Int. Conf. "Communication, Electronic and Computer Systems", Vol.1, 206-210, 2000.**
- Цитирана от:**
54. T. Atanasova, J. Atanasov, *Integrated information system for enterprise management*, International Workshop “Advanced Control and Optimisation: Step Ahead” ACOSA, May 8-10, 2014, Bankya Palace Hotel, Bankya, Bulgaria, 40-45, ISSN 1314-4634.
- 38. Dimov I. T., Gurov T., Monte Algorithm for solving integral equations with polynomial non-linearity Parallel Implementation, Pliska stud. Math. Bugar., Vol. 13, 117-132, 2000.**
- Цитирана от:**
55. Mojtaba Moradia , Zaynab Ayatia, MohammadAli,Mirzazadeh, *Numerical and Simulation Methods for Solving of Non-Linear Fredholm Integro-Differential Equations*, International Journal of Applied Mathematics and Computation, Volume 5(4), 2014, 35-43, ISSN: 0974 - 4665
56. Kausik Chatterjee, John R. Roadcap, Surendra Singh, *A new Green's function Monte Carlo algorithm for the solution of the two-dimensional nonlinear Poisson–Boltzmann equation: Application to the modeling of the communication breakdown problem in space vehicles during re-entry*, Journal of Computational Physics, Volume 276, 1 November 2014, 479–485, ISSN: 0021-9991
- 39. Hascoet L., S. Fidanova & Ch. Held. Adjoining Independent Computations, Proceedings of 3rd International Conference on Automatic Differentiation: From Simulation to Optimization, L. Hascoet (Eds.), Nice - France. Springer-Verlag. 299-304, 2000.**

**Цитирана от:**

57. Lauvernet, C., Le Dimet, F. X., Baret, F., & Le, F. X. *Prise en compte de structures spatiales pour l'assimilation variationnelle de données de télédétection. Exemple sur un modèle simple de croissance de végétation*, Extraction et Gestion des Connaissances, EGC 2014, Rennes, France, 2014, 27 – 39.
58. Özkaya, Emre. *One-shot methods for aerodynamic shape optimization*. PhD diss., Universitätsbibliothek, PhD Thesis, University Aachen, 2014.
59. Naumann, U., & du Toit, J., *Adjoint Algorithmic Differentiation Tool Support for Typical Numerical Patterns in Computational Finance*, Tech. Report 3/14, Numerical

Algorithms Group, 2014.

- 40. Kosina, H., M. Nedjalkov, S. Selberherr, Theory of the Monte Carlo method for semiconductor device simulation IEEE Transactions on Electron Devices, 47 (10), 2000, 1898–1908**

**Цитирана от:**

60. A.W. Smith, LJ McDaid, S Hall, *A compact spike-timing-dependent-plasticity circuit for floating gate weight implementation*, Neurocomputing, 2014, Elsevier.

- 41. Mihov, S., Denis Maurel, Direct Construction of Minimal Acyclic Subsequential Transducers, Revised Papers from the 5th International Conference on Implementation and Application of Automata, 217-229, July 24-25, 2000**

**Цитирана от:**

61. Marek Lipczak, Arash Koushkestani, and Evangelos Milios. Tulip: lightweight entity recognition and disambiguation using wikipedia-based topic centroids. In Proceedings of the first international workshop on Entity recognition & disambiguation (ERD '14). ACM, New York, NY, USA, 2014, 31-36.

- 42. Simov, K., Zdravko Peev, Milen Kouylekov, Alexander Simov, Marin Dimitrov, Atanas Kiryakov. 2001. CLaRK - an XML-based System for Corpora Development. In: Proc. of the Corpus Linguistics 2001 Conference. ISBN 1 86220 107 2, 558-560.**

**Цитирана от:**

62. SZABÓ, Tamás Péter. *A corpus-based analysis of language ideologies in Hungarian school metalanguage*. Research in Corpus Linguistics, 2014, 1.1: 65-79, ISSN – 2243-4712.

- 43. Tsekova, K.V., Marinov, P.G., Tzekova, A.N. Copper accumulation by Aspergillus awamori, 2000, Folia Microbiologica, 45 (3), 217-220.**

**Цитирана от:**

63. Žemberyová, M., Okenicová, L., Barteková, J., Šimonovičová, A., Gáplovská, K. *Bioaccumulation of heavy metals from aqueous solutions by live biomass of aspergillus niger wild type strains isolated from different environments*. Fresenius Environmental Bulletin, 23 (2 A), 2014, 597-602.

----- 2001 -----

- 44. Georgiev, K., J Waśniewski, Recursive version of LU Decomposition, Numerical Analysis and Its Applications, 325-332**

**Цитирана от:**

64. J. Dongarra, M. Faverge, H. Ltaief and P. Luszczek, *Achieving numerical accuracy and high performance using recursive tile LU factorization with partial pivoting*,

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

Concurrency and Computation: Practice and Experience, Volume 26, Issue 7, 1408–1431, May 2014, Wiley

- 45. Kiryakov, A.K., Simov, K., and M. Dimitrov. OntoMap: Portal for upper-level ontologies. Proceedings of the 2nd International Conference on Formal Ontology in Information Systems, Ogunquit, ME, 2001, 47-58. ISBN 1-58113-377-4**

**Цитирана от:**

65. PERIN, Matthieu; WOUTERS, Laurent. Using Ontologies for Solving Cross-Domain Collaboration Issues. In: World Congress. 2014. 7837-7842, DOI: 10.3182/20140824-6-ZA-1003.01575.

- 46. Nedjalkov, M., Kosik, R., Kosina, H., Selberherr, S.: A Wigner Equation for Nanometer and Femtosecond Transport Regime. In: Proceedings of the 2001 First IEEE Conference on Nanotechnology, 277–281. IEEE, Maui, 2001**

**Цитирана от:**

66. Emanuil Atanassov, Todor Gurov, Aneta Karaivanova, *Simulation of Electron Transport Using HPC Infrastructure in South-Eastern Europe*, High-Performance Computing Infrastructure for South East Europe's Research Communities Modeling and Optimization in Science and Technologies Volume 2, 2014, 1-13

- 47. Tz. Ostromsky, Z. Zlatev. Parallel implementation of a large-scale 3-D air pollution model. Large-Scale Scientific Computing, LNCS 2179, 2001, 309–316.**

**Цитирана от:**

67. Ádám Leelőssy, Ferenc Molnár Jr., Ferenc Izsák, Ágnes Havasi, István Lagzi, Róbert Mészáros, *Dispersion modeling of air pollutants in the atmosphere: a review*. Central European Journal of Geosciences, Springer, September 2014, Volume 6, Issue 3, 257-278. ISSN: 2081-9900.

- 48. Тагарев, Т.Д., Организация на научните изследвания в интерес на отбраната, Военен журнал, т. 108, бр. 1, 2001 г., 35-45.**

**Цитирана от:**

68. Йоана Иванова, Приложение на мултимедийните технологии в информационните системи на сигурността и отбраната IT4Sec Reports 114 (2014). ISSN 1314-5614, <http://dx.doi.org/10.11610/it4sec.0114>.

- 49. Todor Tagarev, Prerequisites and Approaches to Force Modernization in a Transition Period, Information & Security. An International Journal 6, 2001, 30-52, <http://dx.doi.org/10.11610/isij.0603>, ISSN 0861-5160**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

69. Georgi Tzvetkov, *Defense Policy and Reforms in Bulgaria since the End of the Cold War: A Critical Analysis*, Connections: The Quarterly Journal 13:2p Spring 2014, ISSN 1812-1098.
- 50. Tashev, T.D., H.R. Hristov, Modeling and synthesis of information interactions. *Problems of Technical Cybernetics and Robotics*, No 52, 2001. 75-80, ISSN: 0204-9848, Online ISSN: 1314-409X.**

**Цитирана от:**

70. T. Atanasova, *Towards Semantic-based Process-oriented Control in Digital Home*, Proceedings of the 2014 Federated Conference on Computer Science and Information Systems, 2014, 1133–1137, DOI: 10.15439/2014F317. (IEEE Digital Library ISBN 978-1-4673-4471-5, IEEE Catalog Number CFP1385N-ART, ISSN 2300-5963)
71. T. Atanasova, J. Atanasov, *Integrated information system for enterprise management*, Proc. of International Workshop “Advanced Control and Optimisation: Step Ahead” ACOSA, May 8-10, 2014, Bankya, Bulgaria. Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria. 40-45. ISSN 1314-4634.

----- 2002 -----

- 51. Agre, G., S. Peev. On Supervised and Unsupervised Discretisation. *CIT: Cybernetics and Information Technologies*, Vol. 2, No. 2, Sofia, 2002, 43-57.**

**Цитирана от:**

72. Satrya Fajri Pratama, Azah Kamilah Muda, Yun-Huoy Choo, and Noor Azilah Muda. *A New Swarm-Based Framework for Handwritten Authorship Identification in Forensic Document Analysis*. In: A.K. Muda et al. (eds.), Computational Intelligence in Digital Forensics, Studies in Computational Intelligence 555, DOI: 10.1007/978-3-319-05885-6\_16, © Springer International Publishing Switzerland, 2014, 385-411
- 52. Atanassov K., V. Atanassova, A. Shannon, J. Turner - New Visual Perspectives on Fibonacci Numbers, World Scientific, New Jersey, River Edge, 2002, ISBN 978-981-238-114-9 (hardcover).**

**Цитирана от:**

73. Kim H. S., J. Neggers, S. S. Keum. *On Fibonacci functions with periodicity*, Advances in Difference Equations, (1), 293, ISSN 1687-1847, 2014.
74. Sisodiya K. S., V. Gupta, K. Sisodiya. *Properties of Multiplicative Coupled Fibonacci Sequences of Fourth Order Under the Specific Schemes*, International Journal of Mathematical Archive (IJMA), 5 (4), ISSN 2229-5046, 2014.
75. Sisodiya K. S., V. Gupta, K. Sisodiya. *Deriving A Formula In Solving Fibonacci-Like Square Sequences*, ISSN 2347-4289, 2014.
76. Yordzhev K. *Factor-set of binary matrices and Fibonacci numbers*, Applied Mathematics and Computation, 236, ISSN 0096-3003, 2014, 235-238.
77. Ömür N., S. Koparal, C. Duygu Sener. *A New Perspective to the Generalization of Sequences of t-Order*, International Journal of Computer Applications, 86 (6), ISSN for IJCA Digital Library 0975-8887, 2014, 29-33.
78. Singh B., K. Sisodiya. *Some fundamental properties of Multiplicative Triple Fibonacci Sequences*, International Journal of Latest Trends in Engineering and Technology (IJLTET), vol. 3, Issue 4, ISSN 2278-621X, March 2014., 128-133.

- 53. Dimov, D., Wavelet transform application to fast search by content in database of images. In: Proceedings of First International IEEE Symposium on Intelligent Systems, Vol. 1, 238-243, 2002, Print ISBN: 0-7803-7134-8, DOI: 10.1109/IS.2002.1044261,**

**Цитирана от:**

79. Chinnasamy, S., Performance improvement of fuzzy-based algorithms for medical image retrieval, Journal of IET Image Processing, Vol. 8 (6), 319-326, June 2014, DOI: 10.1049/iet-ipr.2012.0510, Print ISSN 1751-9659,

- 54. Fidanova S. *Evolutionary Algorithm for Multiple Knapsack Problem*. In proceeding of Parallel Problems Solving From Nature, Real World Optimization Using Evolutionary Computing. 2002, ISBN No 0-9543481-0-9, Granada, Spain.**

**Цитирана от:**

80. Lai, Guoming, Dehui Yuan, and Shenyun Yang. *A new hybrid combinatorial genetic algorithm for multidimensional knapsack problems*. The Journal of Supercomputing, 2014, 1-16.

- 55. Simov, K., Petya Osenova, Milena Slavcheva, Sia Kolkovska, Elisaveta Balabanova, Dimitar Doikoff, Krassimira Ivanova, Alexander Simov, Milen Kouylekov. Building a Linguistically Interpreted Corpus of Bulgarian: the BulTreeBank. In: Proceedings of LREC 2002, Canary Islands, Spain. 2002. 1729-1736.**

**Цитирана от:**

81. SUJAINI, Herry, et al. *A Novel Part-of-Speech Set Developing Method for Statistical Machine Translation*. TELKOMNIKA (Telecommunication Computing Electronics and Control), 2014, 12.3, ISSN 2302-9293.
82. JELÍNEK, Tomáš, et al. *A grammar-licensed treebank of Czech*. CLARIN-D, 2014, 218, ISBN: 978-3-9809183-9-8.

- 56. Racheva, M.R., A.B. Andreev, Superconvergence postprocessing for eigenvalues, Comp. Meth. in Appl. Math., 2(2), 171-185, 2002.**

**Цитирана от:**

83. Q. Lin, H. Xie, *A Multi-level Correction Scheme for Eigenvalue Problems, Mathematics of Computation*, Math. Comp. 84 (2015), 71-88, Published electronically: March 10, 2014.  
<http://www.ams.org/journals/mcom/2015-84-291/S0025-5718-2014-02825-1/home.html>
84. Guo, Hailong, Zhimin Zhang, and Ren Zhao. *Superconvergent Two-grid Methods For Elliptic Eigenvalue Problems*. arXiv preprint arXiv:1405.4641, 2014.  
<http://arxiv.org/abs/1405.4641>
85. H. Xie, X. Yin, *Acceleration of stabilized finite element discretizations for the Stokes eigenvalue problem*, Advances in Computational Mathematics, November 2014.  
a. <http://link.springer.com/article/10.1007/s10444-014-9386-8#>

- 57. Alexandrov, V.N., I.T. Dimov, A. Karaivanova, C.J.K. Tan, *Parallel Monte Carlo Algorithms for Information Retrieval*, Mathematics and Computers in Simulation, Vol. 62, 2003, 289-295.**

**Цитирана от:**

86. Farnoosh, Rahman, Mahboubeh Aalaei, and Morteza Ebrahimi. *Combined probabilistic algorithm for solving high dimensional problems*. Stochastics An International Journal of Probability and Stochastic Processes ahead-of-print, 2014, 1-18.  
<http://www.tandfonline.com/doi/abs/10.1080/17442508.2014.914515#.VIMRc4xxmUk>
- 58. Atanassov K. G. Pasi, R. Yager, V. Atanassova - Intuitionistic fuzzy graph interpretations of multi-person multi-criteria decision making, Proc. of the EUSFLAT Conference, ISBN 3-9808089-4, 804 pages, 2003, 177-182.**

**Цитирана от:**

87. Liao Huchang, Zeshui Xu. *Some algorithms for group decision making with intuitionistic fuzzy preference information*, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, volume 22, Issue 4, ISSN (Print) 0218-4885, 2014, 505-529.
88. Talebi Ali Asghar, Hossein Rashmanlou, Young Bae Jun. *Some operations on bipolar fuzzy graphs*, Annals of Fuzzy Mathematics and Informatics, volume 8, №2, ISSN (Print) 2093-9310, ISSN (Online) 2287-6235, 2014, 269-289
- 59. Atanassov, E.I., and M. K. Durchova, Generating and testing the modified Halton sequences, In: Dimov and all (Eds.) Numerical Methods and Applications 2002, LNCS, vol. 2542, 2003, 91–98**

**Цитирана от:**

89. H. Faure, *On Atanassov's methods for discrepancy bounds of low-discrepancy sequences*, Uniform Distribution and Quasi-Monte Carlo Methods Discrepancy, Integration and Applications, Radon Series on Computational and Applied Mathematics 15, DE GRUYTER, 2014, 105–126, ISBN (Online): 9783110317930, DOI (Chapter): [10.1515/9783110317930.105](https://doi.org/10.1515/9783110317930.105), DOI (Book): [10.1515/9783110317930](https://doi.org/10.1515/9783110317930)
90. Pausinger, Florian, and Alev Topuzoglu. *Permutations of finite fields and uniform distribution modulo*. Algebraic Curves and Finite Fields: Cryptography and Other Applications, DE GRUYTER, 2014, 145–160, ISBN (Online): 9783110317916, DOI (Chapter): [10.1515/9783110317916.145](https://doi.org/10.1515/9783110317916.145) DOI (Book): [10.1515/9783110317916](https://doi.org/10.1515/9783110317916)
- 60. Dimov, I.T., R. Papancheva, Green's function Monte Carlo algorithms for elliptic problems, Mathematics and Computers in Simulation, Vol. 63/6, 2003, 587-604.**

**Цитирана от:**

91. Chatterjee, Kausik, John R. Roadcap, and Surendra Singh. *A new Green's function Monte Carlo algorithm for the solution of the two-dimensional nonlinear Poisson-Boltzmann equation: Application to the modeling of the communication breakdown*

- problem in space vehicles during re-entry.* Journal of Computational Physics 276, 2014, 479-485.  
<http://www.sciencedirect.com/science/article/pii/S002199911400535X>
92. Vavalis, Manolis, and George Sarailidis. *IMPLEMENTING HYBRID PDE SOLVERS.* [http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=0,5&sciodt=0,5&cites=16977159623630594247&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=0,5&sciodt=0,5&cites=16977159623630594247&scipsc=)
- 61. Bencheva, G. Svetozar Margenov. Parallel Incomplete Factorization Preconditioning of Rotated Linear FEM System. Journal of Computational and Applied Mechanics, 2003; 4: 105-117**

**Цитирана от:**

93. J. Zhang, *A PETSc-based parallel implementation of Finite Element Method for elasticity problems,* Mathematical Problems in Engineering, Hindawi Publishing Corporation, Dec. 2014 (<http://www.hindawi.com/journals/mpe/aip/147286/>), ISSN: 1024-123X
- 62. Erjavec, T., Cvetana Krstev, Kiril Simov, Marko Tadic, Dusko Vitas. The MULTTEXT-East Morphosyntactic Specifications for Slavic Languages. In: Proc. of the Workshop on Morphological Processing of Slavic Languages at EACL-2003, Budapest, Hungary. 2003, 25-32.**

**Цитирана от:**

94. QASEMIZADEH, Behrang; RAHIMI, Saeed; BAKHTIARI, Behrooz Mahmoodi. *The First Parallel Multilingual Corpus of Persian: Toward a Persian BLARK.* arXiv preprint arXiv:1404.4572, 2014.
- 63. Fidanova S. ACO Algorithm for MKP Using Various Heuristic Information. In Proc. of: Numerical Methods and Applications,Lecture Notes in Computer Science No 2542, Springer,Germany, 2003, 434-440.**

**Цитирана от:**

95. Agarwal, Parul, and Shikha Mehta. *Nature-Inspired Algorithms: State-of-Art, Problems and Prospects.* International Journal of Computer Applications 100(14), doi 10.5120/17593-8331, ISSN 0975-8887, 2014, 14 – 21.
- 64. Georgiev, K. An algorithm for parallel implementations of an Eulerian smog model, Numerical Methods and Applications, 463-470, 2003**

**Цитирана от:**

96. Á Leelössy, F Molnár Jr, F Izsák, Á Havasi, *Dispersion modeling of air pollutants in the atmosphere: a review,* Central European Journal of Geosciences, September 2014, Vol. 6, Issue 3, 257 – 278, Springer

- 65. Konstantinov M., V. Angelova, P. Petkov, D. Gu, V. Tsachouridis - Perturbation bounds for coupled matrix Riccati equations. Linear algebra and its applications, 359 (1), ISSN 0024-3795, 2003, 197-218.**

**Цитирана от:**

97. Calderone D. J., L. J. Ratliff, S. S. Sastry. *Pricing design for robustness in linear quadratic games*, In IEEE 52nd Annual Conference on Decision and Control (CDC) IEEE, 2014, pp. 4349-4354.

- 66. Narula, S. C., Vassilev, V., Genova, K., & Vassileva, M. (2003). A partition-based interactive method to solve discrete multicriteria choice problems. Cybernetics and Information Technologies, ISSN 1311-9702, Vol. 2, No. 2, 55-66.**

**Цитирана от:**

98. Taillandier, F., Abi-Zeid, I., Taillandier, P., Sauce, G., & Bonetto, R. *An interactive decision support method for real estate management in a multi-criteria framework—REMIND*. International Journal of Strategic Property Management, Vol. 18(3), 2014, 265-278. ISSN 1648-715X (Print), 1648-9179 (Online), DOI:10.3846/1648715X.2014.941432

- 67. Papancheva, R.J., I.T. Dimov, T.V. Gurov, A New Class of Grid-Free Monte Carlo Algorithms for Elliptic Boundary Value Problems, 5th Int. conf. on NMA, August, 2002, Borovets, Bulgaria, Springer Lecture Notes in Computer Science, # 2542, 2003, Springer-Verlag, Berlin, Heidelberg, New York, 132-139.**

**Цитирана от:**

99. Vavalis, Manolis, and George Sarailidis. *IMPLEMENTING HYBRID PDE SOLVERS*. [http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=0,5&sciodt=0,5&cites=16815597743425586669&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=0,5&sciodt=0,5&cites=16815597743425586669&scipsc=)

- 68. Peneva V., I. Popchev - Properties of the aggregation operators related with fuzzy relations, Fuzzy Sets and Systems, 139 (3), ISSN 0165-0114, 2003, pp. 615-633.**

**Цитирана от:**

100. Cao L., M. Li, R. Sadiq, S. Mahadevan, Y. Deng. *Developing environmental indices using fuzzy numbers power average (FN-PA) operator*, International Journal of System Assurance Engineering and Management, April, 2014, 1-11, DOI 10.1007/s13198-014-0257-y, ISSN (Print) 0975-6809, ISSN (Online) 0976-4348, Publisher Springer India.

- 69. Schulz, K.U., Mihov, S., Fast string correction with Levenshtein automata, International Journal on Document Analysis and Recognition, 5 (1), 2003., 67-85.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

101. Zhanikeev, M., *A new practical design for browsable over-the-network indexing*, ISEEE 2014, Proceedings: 2014 International Conference on Information Science, Electronics and Electrical Engineering, 3, art. no. 6946209, 2014., 1686-1690.
  102. Tommi Pirinen, *Weighted Finite-State Methods for Spell-Checking and Correction*, Ph.D. Thesis, University of Helsinki, Faculty of Arts, Department of Modern Languages, 2014, <https://helda.helsinki.fi/handle/10138/42526>
  103. Pirinen, T.A., Lindén, K., *State-of-the-art in weighted finite-state spell-checking*, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8404 LNCS (PART 2), 2014, 519-532.
  104. Azawi, M.A., Breuel, T.M., *Context-dependent confusions rules for building error model using weighted finite state transducers for OCR post-processing*, Proceedings - 11th IAPR International Workshop on Document Analysis Systems, DAS 2014, art. no. 68309812014, 116-120.
  105. Rees, T., *Taxamatch, an algorithm for near ('Fuzzy') matching of scientific names in taxonomic databases*, 2014, PLoS ONE, 9 (9), art. no. 107510, .
  106. Kanwar Abrar Ahmad, Muhammad Munwar Iqbal, Yousaf Saeed, *ERROR DETECTION AND CORRECTION IN NLP USING FINITE STATE AUTOMATA: URDU TEXT PROCESSING*, Sci.Int.(Lahore), 26(4),1883-1886, 2014 ISSN 1013-5316.
  107. Karagiannis Dimitris, Buchmann Robert Andrei, *Model fragment comparison using natural language processing techniques*, Wirtschaftsinformatik in Wissenschaft und Praxis Business Engineering 2014, 249-269
- 70. Strohmaier, C.M., Christoph Ringlstetter, Klaus U. Schulz, and Stoyan Mihov. 2003. Lexical Postcorrection of OCR-Results: The Web as a Dynamic Secondary Dictionary?. In Proceedings of the Seventh International Conference on Document Analysis and Recognition - Volume 2 (ICDAR '03), Vol. 2. IEEE Computer Society, Washington, DC, USA, 1133-1137.**

**Цитирана от:**

108. Kata Gábor, Benoît Sagot, *Automated Error Detection in Digitized Cultural Heritage Documents*, Proceedings of the 8th Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities (LaTeCH), 2014, 56-61.
  109. Benoît Sagot, Kata Gábor, *Détection et correction automatique d'entités nommées dans des corpus OCRisés*, Traitement Automatique du Langage Naturel 2014. <https://hal.inria.fr/hal-01022378/>
- 71. Strohmaier, C., Christoph Ringlstetter, Klaus U. Schulz and Stoyan Mihov, A visual and interactive tool for optimizing lexical postcorrection of OCR-results. Proceedings of the Workshop on Document Image Analysis and Retrieval DIAR'03, 2003.**

**Цитирана от:**

110. Kettunen , K , Honkela , T , Linden , K , Kauppinen , P , Pääkkönen , T & Kervinen , J , Analyzing and Improving the Quality of a Historical News Collection using Language Technology and Statistical Machine Learning Methods. in IFLA

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

World Library and Information Congress Proceedings : 80th IFLA General Conference and Assembly, 2014..

- 72. Tagarev, T. Shaping the Security Environment in South-Eastern Europe: Bulgarian Armed Forces and National Security Policy, in *Almost NATO: Partners and Players in Central and Eastern Europe*, Charles Krupnick, ed. (Lanham, Md.: Rowman & Littlefield, 2003), 119-155.**

**Цитирана от:**

111. Rachel A. Dicke, Ryan C. Hendrickson and Steven Kutz, *NATO's Mafia Ally: The Strategic Consequences of Bulgarian Corruption*, Comparative Strategy 33, no. 3, 2014,: 287-298, <http://dx.doi.org/10.1080/01495933.2014.926760>. ISSN 0149-5933 (Print), 1521-0448 (Online)
112. Валери Рачев, *Партньорството за мир на НАТО – двадесет години покъсно*, Военен журнал 121, no. 1, 2014, 108-116

- 73. Тагарев, Т., Георги Пенчев, Ирена Николова, Николай Петров, Петя Иванова, Прозрачност при управлението на отбранителните доставки, София: Сдружение “Джордж С. Маршал – България”, 2003 г.**

**Цитирана от:**

113. Цветелина Ненкова Йорданова, *Медиите и прозрачността в международната политика (Модел за емпирично изследване)*, дисертация София: Факултет по журналистика и масова комуникация, СУ "Св. Климент Охридски", 2014, 261 стр.

**----- 2004 -----**

- 74. Angelova, G., O. Kalaydjiev and A. Strupchanska. *Domain Ontology as a Resource Providing Adaptivity in eLearning*. In: Meersman, R., Z. Tari and A. Corsaro (Eds.) Proc. *On the Move to Meaningful Internet Systems 2004: OTM 2004 Confederated Conference and Workshops, Workshop on Semantics, Ontologies and eLearning (WOSE-04)*, Springer, Lecture Notes in Computer Science 3292, 700-712**

**Цитирана от:**

114. Anas Ali Ballah Ali1, Alwaleed Bashier Gism Elseed Ahmed, Awad Alkarim Moh. Yousif. *Applying Semantic Web Technologies to Services of e-learning System*. International Journal of Engineering Inventions, Volume 4, Issue 6, November 2014, 24-38, e-ISSN: 2278-7461, p-ISSN: 2319-6491
115. Alwaleed Bashier Gism Elseed Ahmed, Anas Ali Ballah Ali, Samani A. Talab. *Matching User Preferences with Learning Objects in Model Based on Semantic Web Ontologies*. International Journal of Engineering Inventions, Volume 4, Issue 3, August 2014, 11-21, e-ISSN: 2278-7461, p-ISSN: 2319-6491.

**75. Andreev, A.B., T.D. Todorov, Isoparametric finite-element approximation of a Steklov eigenvalue problem, IMA Journal of Numerical Analysis, Vol. 24, No 2, 309-322, 2004.**

**Цитирана от:**

116. Y.D. Yang, H Bi, *Local a priori/a posteriori error estimates of conforming finite elements approximation for Steklov eigenvalue problems*, Science China Mathematics, June 2014, Volume 57, Issue 6, -1329. DOI 10.1007/s11425-013-4709-7. <http://link.springer.com/article/10.1007/s11425-013-4709-7#>
117. J. Liu, T Xia, W Jiang, *A Posteriori Error Estimates with Computable Upper Bound for the Nonconforming Rotated Q1 Finite Element Approximation of the Eigenvalue Problems*, Mathematical Problems in Engineering, Vol. 2014, Article ID 891278. <http://dx.doi.org/10.1155/2014/891278/>

**76. Atanassov, E., On the discrepancy of the Halton sequences, Math. Balkanica, New Series 18, 2004, 15–32.**

**Цитирана от:**

117. Gunther Leobacher, Friedrich Pillichshammer, *Uniform Distribution Modulo One, Introduction to Quasi-Monte Carlo Integration and Applications*, Compact Textbooks in Mathematics, 2014, 11-53, ISSN: 2296-4568, ISBN 978-3-319-03424-9, DOI 10.1007/978-3-319-03425-6\_2
118. Kritzer, P., Larcher, G., Pillichshammer, F., *Discrepancy estimates for index-transformed uniformly distributed sequences*, Functiones et Approximatio, Commentarii Mathematici, Volume 51, Issue 1, 1 May 2014, 197-220, ISSN: 0208-6573, DOI: 10.7169/facm/2014.51.1.1
119. Faure, H., Lemieux, C., *A variant of Atanassov's method for (t, s) -sequences and (t, e, s) -sequences*, Journal of Complexity, Volume 30, Issue 5, October 2014, 620-633, ISSN: 0885-064X, DOI: 10.1016/j.jco.2014.02.006
120. H. Faure and C. Lemieux. *A review of discrepancy bounds for (t,s) and (t,e,s)-sequences with numerical comparisons*, Mathematics and Computers in Simulation, Available online 7 October 2014, [doi:10.1016/j.matcom.2014.08.006](https://doi.org/10.1016/j.matcom.2014.08.006),
121. Carola Doerr, Michael Gnewuch, Magnus Wahlström, *Calculation of Discrepancy Measures and Applications, A Panorama of Discrepancy Theory*, Lecture Notes in Mathematics , Volume 2107, June 2014, 621-678, ISSN: 0075-8434, ISBN: 978-3-319-04695-2, DOI: 10.1007/978-3-319-04696-9
122. H. Faure, *On Atanassov's methods for discrepancy bounds of low-discrepancy sequences*, Uniform Distribution and Quasi-Monte Carlo Methods Discrepancy, Integration and Applications, Radon Series on Computational and Applied Mathematics 15, DE GRUYTER, 2014, 105–126, ISBN (Online): 9783110317930, DOI (Chapter): [10.1515/9783110317930.105](https://doi.org/10.1515/9783110317930.105) , DOI (Book): [10.1515/9783110317930](https://doi.org/10.1515/9783110317930)

**77. Atanassov, E.I., I. T. Dimov, M. K. Durdova, A New Quasi-Monte Carlo Algorithm for Numerical Integration of Smooth Functions, Large-Scale Scientific Computing, Springer-Verlag, LNCS 2907, 2004, 128-135**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

123. Belić, Aleksandar, *High Performance and Grid Computing Developments and Applications in Condensed Matter Physics*, Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education. IGI Global, 2014, 214-245, ISBN13: 9781466657847, ISBN10: 1466657847, doi:10.4018/978-1-4666-5784-7.ch009
124. Stojanović, Boban, Nikola Milivojević, Miloš Ivanović and Dejan Divac, Dot Net Platform for Distributed Evolutionary Algorithms with Application in Hydroinformatics, Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education. IGI Global, 2014, 362-386, ISBN13: 9781466657847, ISBN10: 1466657847, doi:10.4018/978-1-4666-5784-7.ch015
- 78. Dimov, I.T, K. Georgiev, Tz. Ostromsky, Z. Zlatev. Computational challenges in the numerical treatment of large air pollution models. *Ecological Modelling*, Volume 179 (2), 2004, 187-203. Elsevier.**
- Цитирана в:**
125. Katsanis, S. *Numerical Modelling of Wind Borne Pollution Dispersion from Open Windrow Compost Sites*, Doctoral dissertation, University of Sheffield, March 2014.  
<http://core.kmi.open.ac.uk/download/pdf/20077752.pdf>
- 79. Dimov, I., I. Farago, A. Havasi and Z. Zlatev, Operator Splitting and Commutativity Analysis in the Danish Eulerian Model, Mathematics and Computers in Simulation, Vol. 67, Issue 3, 2004, 217-233.**
- Цитирана от:**
126. Leelössy, Ádám, et al. *Dispersion modeling of air pollutants in the atmosphere: a review*. Central European Journal of Geosciences 6.3, 2014, 257-278.  
<http://rd.springer.com/article/10.2478/s13533-012-0188-6#page-1>
- 80. KOEVA, S., Stoyan MIHOV, Tinko TINCHEV, Bulgarian Wordnet – Structure and Validation, Romanian Journal Of Information Science And Technology, Volume 7, Numbers 1–2, 2004, 61–78**
- Цитирана от:**
127. Tsvetana Dimitrova, Ekaterina Tarpomanova and Borislav Rizov, *Coping with Derivation in the Bulgarian Wordnet*, Proceedings of the Seventh Global Wordnet Conference, 2014, 109-117.
- 81. Nakov P., Y. Bonev, G. Angelova, E. Gius and W.v. Hahn. Guessing Morphological Classes of Unknown German Nouns. In: Angelova, G., K. Bontcheva, R. Mitkov, N. Nicolov, and N. Nikolov (Eds.). Proc. of the Int. Conf. RANLP-03 “Recent Advances in Natural Language Processing”, 10-12 Sept. 2003, Publ. by Incoma Ltd., pp. 319-326. Съкратена версия в N. Nicolov, K. Bontcheva, G. Angelova and R. Mitkov (Eds), *Recent Advances in Natural Language Processing III. Selected papers from RANLP-03*, Series “Current Issues in Linguistic Theory”, Vol. 260, John Benjamins Publ. Co., Amsterdam, 2004, 347-356.**
- Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

128. Camilleri, Maris. *The stem in inflectional verbal paradigms in Maltese*. Doctoral thesis, University of Surrey. 2014. <http://epubs.surrey.ac.uk/806637/>.
- 82. Nedjalkov, H. Kosina, S. Selberherr, C. Ringhofer, and D. K. Ferry, Unified particle approach to Wigner-Boltzmann transport in small semiconductor devices, Phys. Rev. B 70, 115319, 2004**

**Цитирана от:**

129. Rosati, F Rossi, Scattering nonlocality in quantum charge transport: Application to semiconductor nanostructures, Physical Review B, 2014, APS
130. Jonasson, I Knezevic, *Coulomb-driven terahertz-frequency intrinsic current oscillations in a double-barrier tunneling structure*, Physical Review B, 2014, APS
131. M Sellier, I Dimov, *A Wigner Monte Carlo approach to density functional theory*, Journal of Computational Physics, 2014, Elsevier
132. R Li, T Lu, Y Wang, W Yao, *Numerical Validation for High Order Hyperbolic Moment System of Wigner Equation*, Commun. Comput. Phys., 15, 2014, 569-595.
133. M. Van de Put, M Thewissen, W Magnus, *Spectral force approach to solve the time-dependent Wigner-Liouville equation*, Int. Workshop on Computational Electronics, 2014. ieeexplore.ieee.org
134. JM Sellier, I Dimov, *The Wigner–Boltzmann Monte Carlo method applied to electron transport in the presence of single dopants*, Computer Physics Communications, 2014. Elsevier Vol. 185, 10, October 2014,
135. C. Jacoboni, P Bordone, *Wigner transport equation with finite coherence length*, Journal of Computational Electronics, 2014. Springer
136. S. Nettel, H Beck, *Electron dynamics in semiconductors, Markovian and beyond*, Physica B: Condensed Matter, 2014, Elsevier
137. JM Sellier, I Dimov, *A Wigner approach to the study of wave packets in ordered and disordered arrays of dopants*, Physica A: Volume 406, 15 July 2014, 185–190
138. Emanuil Atanassov, Todor Gurov, Aneta Karaivanova, *Simulation of Electron Transport Using HPC Infrastructure in South-Eastern Europe*, High-Performance Computing Infrastructure for South East Europe's Research Communities Modeling and Optimization in Science and Technologies Volume 2, 2014, 1-13
139. Jonasson, I Knezevic, *Current Oscillations in a DC-Biased Resonant Tunneling Diode at Room Temperature*, The 17th International Workshop on Computational Electronics, 2014, ISBN: 978-2-9547858-0-6, 19 - 20 doi:10.1109/IWCE.2014.6865812.

- 83. Magnini, B., Vallin, A., Ayache, C., Erbach, G., Penas, A., de Rijke, M., Rocha, P., Simov, K., Sutcliffe, R.“Overview of the CLEF 2004 Multilingual Question Answering Track”, volume 3491 of Lecture Notes in Computer Science. Springer Verlag, 2005. ISBN 3-540-27420-0, ISSN 0302-9743, 2004, 371-391**

**Цитирана от:**

140. FERRO, Nicola. *CLEF 15th Birthday: Past, Present, and Future*. In: ACM SIGIR Forum. ACM, 2014. 31-55, DOI: 10.1145/2701583.2701587.
141. Svalastoga, Marte. *Use of Syntax in Question Answering Tasks*. Master thesis, University of Oslo, 2014.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

<https://www.duo.uio.no/bitstream/handle/10852/41541/7/thesis.pdf>

- 84. Marinov, P., Kutiev, I., Watanabe, S. Empirical model of O+-H+ transition height based on topside sounder data Advances in Space Research, 34 (9), 2004, 2021-2025.**

**Цитирана от:**

142. Venkatesh, K., Rama Rao, P.V.S., Fagundes, P.R. *The role of altitudinal variation of scale height in determining the topside electron density profile over equatorial and low latitude sectors*. Journal of Atmospheric and Solar-Terrestrial Physics, 121 (PA), 2014, 72-82.
143. Verhulst, T., Stankov, S.M. *Evaluation of ionospheric profilers using topside sounding data* Radio Science, 49 (3), 2014, 181-195.

- 85. Mihov, S., Schulz, K.U., Fast approximate search in large dictionaries,) Computational Linguistics, 30 (4), 2004, 451-477.**

**Цитирана от:**

144. Popescu, Octavian and Vo, Ngoc Phuoc An, *Fast and Accurate Misspelling Correction in Large Corpora*, Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP), 1634-1642,
145. Lenz Furrer, *Unsupervised Text Segmentation for Automated Error Reduction*, Proceedings of the 12th edition of the KONVENS conference Vol. 1, 2014, 178-185
146. Wandelt, S., Deng, D., Gerdjikov, S., Mishra, S., Mitankin, P., Patil, M., Siragusa, E., Tiskin, A., Wang, W., Wang, J., Leser, U., *State-of-the-art in string similarity search and join*, SIGMOD Record, 43 (1), 2014, 64-76.

- 86. Ouzounov, A., A Robust Feature for Speech Detection, Cybernetics and Information Technologies (CIT), Vol. 4 (2), 3-14, 2004, ISSN: 1311-9702.**

**Цитирана от:**

147. Marinescu, R., and C. Burileanu, *Voice Activity Detection for Best Signal Selection in Air Traffic Management and Control Systems*, In: Proceedings of 37th International Conference on Telecommunications and Signal Processing (TSP), July 2014, Berlin, Germany, ISBN: 978-80-214-4983-1, ISSN: 1805-5435
148. Park, S., J. Hong and M. Hahn, *A Robust Feature Extraction For End Point Detection in the Nonstationary Noisy Environment*, In: Proceedings of The International Conference on Advances in Science and Technology, February 15-16, 2014, Pattaya, Thailand, 152-156, ISBN 978819289-0

- 87. Ringhofer, C., Nedjalkov, M., Kosina, H., Selberherr, S.: Semi-Classical Approximation of Electron-Phonon Scattering Beyond Fermi's Golden Rule. SIAM J. of Appl. Mathematics 64(6), 1933–1953, 2004,**

**Цитирана от:**

149. Emanoil Atanassov, Todor Gurov, Aneta Karaivanova, *Simulation of Electron Transport Using HPC Infrastructure in South-Eastern Europe*, High-Performance Computing Infrastructure for South East Europe's Research Communities Modeling and Optimization in Science and Technologies Volume 2, 2014, 1-13

**88. Shapiro, V., D. Dimov, S. Bonchev, V. Velitchkov, and G. Gluhchev: Adaptive License Plate Image Extraction. In: Proceedings of CompSysTech'04, June 17-18, 2004, Rousse, Bulgaria, .3a.2.1-7, ISBN: 954-9641-38-4**

**Цитирана от:**

150. Pandey, M.K., Automatic *Vehicle Registration Plate Recognition System using Soft Computing Techniques*, International Journal of Computer and Electronics Research, Vol. 3 (5), 242-247, October 2014, ISSN (Print): 2320-9348,
151. Trapeznikov, I., A. Priorov, V. Volokhov, *Allocation of Text Characters of Automobile License Plates on the Digital Image*, Proceeding of the 15th Conference of Fruct Association, 144-149, 21-25 April 2014, ISSN: 2305-7254
152. Beiderman, Y., M. Kunin, E. Kolberg, I. Halachmi, B. Abramov, R. Amsalem, Z. Zalevsky, *Automatic solution for detection, identification and biomedical monitoring of a cow using remote sensing for optimised treatment of cattle*, Journal of Agricultural Engineering, Vol. 45 (4), 153-160, December 21, 2014, DOI: 10.4081/jae.2014.418,
153. Трапезников, И. Н., *Разработка и анализ системы распознавания автомобильных регистрационных знаков*, Ярославский государственный университет им. П.Г. Демидова, Диссертация по специальности 05.12.04 – Радиотехника, в том числе системы и устройства телевидения, Ярославль, 2014, [http://diss.vlsu.ru/uploads/media/Dissertacija\\_Trapeznikov\\_podpis.pdf](http://diss.vlsu.ru/uploads/media/Dissertacija_Trapeznikov_podpis.pdf)

**89. Shapiro, V., G. Gluhchev: Multinational license plate recognition system: Segmentation and classification. In: Proceedings of the 17th International Conference on Pattern Recognition (ICPR'04), Aug. 23-26, 2004, Vol. 4, 352-355, ISBN: 0-7695-2128-2**

**Цитирана от:**

154. Azad, R., M. Nazari, *Novel and Automatic Parking Inventory System Based on Pattern Recognition and Directional Chain Code*, First International Conference on computer, Information Technology and Digital Media,, 134-139, July 2014, <http://arxiv.org/abs/1407.6321>
155. Tian, B., B.T. Morris, M. Tang, Y. Liu, Y. Yao, C. Gou, D. Shen, S. Tang, *Hierarchical and Networked Vehicle Surveillance in ITS: A Survey*, IEEE Transactions on Intelligent Transportation Systems, Vol. PP (99), 1-24, August 2014, DOI: 10.1109/TITS.2014.2340701

**90. Simov, K., P. Osenova, A. Simov, and M. Kouylekov. Design and implementation of the bulgarian HPSG-based treebank. Research on Language and Computation, vol. 2. Issue 4. DOI 10.1007/s11168-004-7427-z. Print ISSN 1570-7075. Online ISSN 1572-8706. 2004, 495–522.**

**Цитирана от:**

156. NGUYEN, Dat Quoc, et al. *A Robust Transformation-Based Learning Approach Using Ripple Down Rules for Part-Of-Speech Tagging*, arXiv preprint arXiv:1412.4021, 2014. <http://arxiv.org/pdf/1412.4021v1.pdf>

- 91. Simov, K., P Osenova, M Slavcheva. BTB-TR03: BulTreeBank morphosyntactic tagset. Technical Report, 2004.**

**Цитирана от:**

157. DIMITROVA, Ludmila; GARABÍK, Radovan. *Translation equivalence of demonstrative pronouns in Bulgarian-Slovak parallel texts*. Cognitive Studies| Études cognitives, 2014, 14: 65-74, DOI: 10.11649/cs.2014.007.

- 92. Stoilov T., K. Stoilova. Integration of Web Services in Internet. 18th International Conference on Systems for Automation of Engineering and Research "SAER-2004", 24-26 September, 2004, St. Konstantin resort, Varna, Bulgaria, ISBN 954-438-428-6, 15-23.**

**Цитирана от:**

158. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.

----- 2005 -----

- 93. Agre, G., T. Atanasova, J. Nern. Migrating from Web Services to Semantic Web Services : INFRAWEBS Approach. In: Proceeding of Eleventh Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications, EUROMEDIA'2005, Toulouse, France, 2005, 221-225. ISBN 90-77381-17-1**

**Цитирана от:**

159. Subramanian, Velmurugan, and Suresh Srinivasan. *Facilitating a service application to operate with different service frameworks in application servers*. U.S. Patent No. 8,626,825. 7 Jan. 2014. <http://www.google.com/patents/US8626825>

- 94. Alexandrov, V., E. Atanasov, I. Dimov, S. Branford, A. Thandavan and C. Weihrauch, Parallel Hybrid Monte Carlo Algorithms for Matrix Computations, ICCS 2005 (V.S. Sunderam et al. Eds), Lecture Notes in Computer Science, Vol. 3516, Springer-Verlag Berlin Heidelberg, 2005, pp. 752-759.**

**Цитирана в:**

160. Del Moral, Pierre, and Christelle Vergé. *Mesures de Feynman-Kac et Méthodes Particulaires*. Modèles et méthodes stochastiques. Springer Berlin Heidelberg, 2014. 219-261. [http://rd.springer.com/chapter/10.1007/978-3-642-54616-7\\_8#page-1](http://rd.springer.com/chapter/10.1007/978-3-642-54616-7_8#page-1)

- 95. Andreev, B., R. D. Lazarov and M. R. Racheva, Postprocessing and higher order convergence of mixed finite element approximations of biharmonic eigenvalue problems, JCAM, Vol. 182(2), 2005, 333-349.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

161. Q. Lin, H. Xie, *A Multi-level Correction Scheme for Eigenvalue Problems*, Mathematics of Computation, 84 (2015), 71-88, Published electronically: March 10, 2014. <http://www.ams.org/journals/mcom/2015-84-291/S0025-5718-2014-02825-1/home.html>
  162. Guo, Hailong, Zhimin Zhang, and Ren Zhao. *Superconvergent Two-grid Methods For Elliptic Eigenvalue Problems*. arXiv preprint arXiv:1405.4641, 2014. <http://arxiv.org/abs/1405.4641>
  163. H. Xie, X. Yin, *Acceleration of stabilized finite element discretizations for the Stokes eigenvalue problem*, Advances in Computational Mathematics, November 2014. <http://link.springer.com/article/10.1007/s10444-014-9386-8#>
- 96. Angelova, G. Language Technologies Meet Ontology Acquisition.** In: Dau, F., M.-L. Mugnier, and G. Stumme (Eds.): *Conceptual Structures: Common Semantics for Sharing Knowledge*, Proceedings of the 13<sup>th</sup> Int. Conference on Conceptual Structures (ICCS-2005), Springer, Lecture Notes in Artificial Intelligence 3596, pp. 367-380.

**Цитирана от:**

164. Damien Zomahoun. *Contributions of Semantic Web Tools to Relational Models*. The Eighth International Conference on Systems and Networks Communications, Feb 2014, Barcelone, Spain. IACSIT PRESS, 6 (3), 267 - 271, ISSN: 1793-8201
- 97. Atanassova V. Strategies for decision making in the conditions of intuitionistic fuzziness,** In Computational Intelligence, Theory and Applications, Springer Berlin Heidelberg, ISBN 978-3-540-34783-5, 2005, pp. 263-269.

**Цитирана от:**

165. Bujnowski P., E. Szmidt, J. Kacprzyk. *Intuitionistic Fuzzy Decision Tree: A New Classifier*, In Intelligent Systems'2014, Springer International Publishing, ISBN (Print) 978-3-319-11312-8, ISBN (Online) 978-3-319-11313-5, 2014, 779-790.
- 98. Bodurov P., Penchev T., Industrial Rocket Engine and its Application for Propelling of Forging Hammers, Journaj of Materials Processing Technology, 2005, v.161, 3, 504-508.**

**Цитирана от:**

166. Stanislav Gyoshev., *Study of parameters of controlled impact by impact deformation of elastic materials.*, John Atanasoff Celebration Days, International Conference "Robotics, Automation And Mechatronics" RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 46-50
- 99. Boyanov L., Nenkova P. On the employment of LCG GRID middleware, Proceedings of the International Conference on Computer Systems and Technologies - CompSysTech' 2005, Russe, 2005, II.11-1 - II.11-7.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

167. Pavlo Svirin, *LOAD BALANCING ALGORITHM FOR GRID TASK SCHEDULING IMPROVEMENT*, Information and Telecommunication Sciences, Volume 5, Number 1, 2014, National Technical University of Ukraine “Kyiv Polytechnic Institute”, ISSN 2312-4121.
100. Dimov, D., and I. Azmanov: Experimental specifics of using HMM in isolated word speech recognition. In: B. Rachev and A. Smrikarov (Eds.) Conf. Proceedings of CompSysTech'2005, June 16-17, Varna, ISBN-954-9641-42-2, 2005, 3A.17.1-9,

**Цитирана от:**

168. Hemakumar, G., P. Punitha, *Large Vocabulary Isolated Word Recognition Using Syllable, HMM and Normal Fit*, International Journal of Scientific & Engineering Research, Vol. 5 (9), pp. 34-37, September 2014, ISSN: 2229-5518
169. Selvaraj, L., B. Ganesan, *Enhancing Speech Recognition Using Improved Particle Swarm Optimization Based Hidden Markov Model*, The Scientific World Journal, Vol. 2014, Article ID 270576, 10 pages, DOI: 10.1155/2014/270576
101. Fidanova S. Heuristics for Multiple Knapsack Problem, IADIS Conference on Applied Computing, Algavre, Portugal, 2005, 255-260.

**Цитирана от:**

170. Camati, R. S., Alcides C. and Luiz L. Jr. *Solving the Virtual Machine Placement Problem as a Multiple Multidimensional Knapsack Problem*. In ICN 2014, The Thirteenth International Conference on Networks, 2014, 253-260.
102. Иванова Зл., К. Стоилова, Т. Стоилов. Портфейлна оптимизация – информационна услуга в Интернет. Академично издателство “Марин Дринов”, София, 2005, стр.275.

**Цитирана от:**

171. Пенка Вълкова Георгиева, *Размита система за изводи за оценка на финансово активи.. Списание „Компютърни науки и комуникации”*, Том 3, № 2, 2014, БСУ, Бургас, 35-41, <http://ojs.bfu.bg/files/knk-2014-2.pdf>
103. Mihov, S., Schulz, K.U., Ringlstetter, C., Dojchinova, V., Nakova, V., Kalpakchieva, K., Gerasimov, O., Gotscharek, A., Gercke, C., A corpus for comparative evaluation of OCR software and postcorrection techniques, (2005) Proceedings of the International Conference on Document Analysis and Recognition, ICDAR, 2005, art. no. 1575530, 162-166.

**Цитирана от:**

172. Ernest Valveny , *Datasets and Annotations for Document Analysis and Recognition*, Handbook of Document Image Processing and Recognition, 2014, 983-1009
173. Wu, F.-H.F., Jang, J.-S.R., *Optical music recognition for numbered music notation with multimodal reconstruction*, Applied Mechanics and Materials, 2014, 943-947

- 104. Pantev, P., Valeri Ratchev, Todor Tagarev, Viara Zaprianova, Civil-Military Relations and Democratic Control of the Security Sector: A Handbook, Sofia, Rakovsky Defense and Staff College, January 2005. ISBN:954-901121-7-4**

**Цитирана от:**

174. Цветелина Ненкова Йорданова, *Медиите и прозрачността в международната политика (Модел за емпирично изследване)*, дисертация София: Факултет по журналистика и масова комуникация, СУ "Св. Климент Охридски", 2014. 261 стр.

- 105. Ringlstetter, C., Schulz, K.U., Mihov, S., Louka, K., The same is not the same - Postcorrection of alphabet confusion errors in mixed-alphabet OCR recognition, Proceedings of the International Conference on Document Analysis and Recognition, ICDAR, 2005, art. no. 1575578, 2005, 406-410.**

**Цитирана от:**

175. Benoît Sagot, Kata Gábor, *Détection et correction automatique d'entités nommées dans des corpus OCRisés*, Traitement Automatique du Langage Naturel 2014

- 106. Savov S., I. Popchev - Generalized Lyapunov function for stability analysis of uncertain systems, In Proceedings of the 16th IFAC World Congress, Prague, Czech Republic, 2005, ISBN 0-08-045108-X, pp. 4-8.**

**Цитирана от:**

176. Kolev L. V. *Regularity radius and real eigenvalue range*, Applied Mathematics and Computation, vol. 233, ISSN 0096-3003, 2014, 404-412.

- 107. Shalamanov, V., Stefan Hadjitolov, Todor Tagarev, Stoyan Avramov, Valentin Stoyanov, Pencho Geneshky, and Nikolay Pavlov, "Civil security: architectural approach in emergency management transformation," *Information & Security. An International Journal*, vol. 17, 2005, 75-101.**

**Цитирана от:**

177. Vera Karin Brazova, Piotr Matczak, and Viktoria Takacs, *Evolution of civil security systems: the case of three Central European countries*, *Journal of Risk Research* 17, 2014, <http://dx.doi.org/10.1080/13669877.2014.913659>. ISSN 1366-9877 (Print), 1466-4461 (Online), 2012 Impact Factor - 1.240 ([www.tandfonline.com/action/journalInformation?show=abstractingIndexing&journalCode=rjrr20#.U5aHMiiPr90](http://www.tandfonline.com/action/journalInformation?show=abstractingIndexing&journalCode=rjrr20#.U5aHMiiPr90))

178. Vera-Karin Brazova, *Polish Civil Security in Regional Context*, *Przegląd Strategiczny* 7, 2014, 43-58. ISSN 2084-6991

- 108. Simov, K., and Petya Osenova. 2005. Extending the Annotation of BulTreeBank: Phase 2. The Fourth Workshop on Treebanks and Linguistic Theories (TLT 2005) Barcelona, 9-10 December 2005. ISBN 84-475-2992-4, 173-184**

**Цитирана от:**

*Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.*

179. ZEMAN, Daniel, et al. HamleDT: *Harmonized multi-language dependency treebank*. Language Resources and Evaluation, 2014, 48.4: 601-637.
- 109. Stoilov T., K. Stoilova, N. Lyutov. Technologies for integration of e-learning content. Proceedings: E-Learning Solutions – on the Way to Ubiquitous Applications, Eds. D.Dochev, R.Pavlov. Joint KNOSOS-CHIRON Open Workshop, Leonardo da Vinci Programme, Sandanski, Bulgaria, 26-27 May, 2005, p.51-58.**

**Цитирана от:**

180. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.
- 110. Тагарев, Т., Николай Павлов, “Методика за определяне на критична инфраструктура и разработване на стратегия за защита,” в Първа национална научно-практическа конференция по управление в извънредни ситуации и защита на населението (София, БАН, 10 ноември 2005 г.), стр. 352-361.**

**Цитирана от:**

181. Yoana Ivanova, *Policies for the Protection of Critical Infrastructure from Cyber Attacks*, IT4Sec Reports 116, 2014, ISSN 1314-5614,
- 111. Vassilev, V., Genova, K., & Vassileva, M. A brief survey of multicriteria decision making methods and software systems. Cybernetics and information technologies, Vol. 5, No. 1, 2005, 3-13, ISSN 1311-9702.**

**Цитирана от:**

182. Poveda, C. A., & Lipsett, M. G. *An integrated approach for sustainability assessment: the Wa-Pa-Su project sustainability rating system*. International Journal of Sustainable Development & World Ecology, Vol. 21(1), 2014, 85-98, ISSN: 1350-4509.
183. Subudhi, R., B. Kar. *Emerging Technologies of the 21st Century*, Edition: 2014, Chapter: Ch.42: Technology Mediated Participatory Planning for 21st Century, Publisher: New India Publishing Agency, New Delhi, Editors: Dr. AK Roy, 819-825.

----- 2006 -----

- 112. Andreev, R. D., Troyanova, N. V. E-learning Design: An Integrated Agent-Grid Service Architecture, IEEE John Vicent Atanasoff 2006 International Symposium on Modern Computing (JVA'06), 2006, 208–213, IEEE Computer Society, ISBN-13: 978-0-7695-2643-0**

**Цитирана от:**

184. Roy, Sarbani, Ajanta De Sarkar, and Nandini Mukherjee. *An Agent Based E-Learning Framework for Grid Environment*. M. Ivanovic and L.C. Jain (eds) E-Learning Paradigms and Applications vol. 528. Springer Berlin Heidelberg, 2014, 121-144. DOI 10.1007/978-3-642-41965-2 5, ISBN: 978-3-642-41964-5

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

185. M. Arif, M. Illahi, A. Karim, Sh. Shamshirband, Kh. Amiad-Alam, Sh. Farid, S. Iqbal, Z. Buang, V-E. Balas, *An architecture of agent-based, multi-layer interactive e-learning and e-testing platform*. Quality and Quantity, vol. 47, October, 2014, Springer, 1-24, Print ISSN 0033-5177, online ISSN 1573-7845, DOI 10.1007/s11135-014-0121-9,
- 113. Atanassov, E., Gurov, T., Karaivanova, A., Computational grid: structure and applications, Journal Avtomatica i Informatica (in Bulgarian), ISSN 0861-7562, 3/2006, year XL, September 2006, 40–43**

**Цитирана от:**

186. Georgi Gadzhev, Kostadin Ganev, Nikolay Miloshev, Dimiter Syrakov, Maria Prodanova, *Some Basic Facts About the Atmospheric Composition in Bulgaria – Grid Computing Simulations*, LSSC 2013, LNCS 8353, 484-490, 2014, ISSN: 0302-9743, ISBN 978-3-662-43879-4, DOI 10.1007/978-3-662-43880-0\_55
- 114. Belehaki, A., Marinov, P., Kutiev, I., Jakowski, N., Stankov, S. Comparison of the topside ionosphere scale height determined by topside sounders model and bottomside digisonde profiles, Advances in Space Research, 37 (5), 2006, 963-966.**

**Цитирана от:**

187. Venkatesh, K., Fagundes, P.R., de Jesus, R., de Abreu, A.J., Pillat, V.G., Sumod, S.G. *Assessment of IRI-2012 profile parameters by comparison with the ones inferred using NeQuick2, ionosonde and FORMOSAT-1 data during the high solar activity over Brazilian equatorial and low latitude sector*. Journal of Atmospheric and Solar-Terrestrial Physics, 121 (PA), 2014, 10-23.
188. Venkatesh, K., Rama Rao, P.V.S., Fagundes, P.R. *The role of altitudinal variation of scale height in determining the topside electron density profile over equatorial and low latitude sectors*. Journal of Atmospheric and Solar-Terrestrial Physics, 121 (PA), 2014, 72-82.
189. Liu, L., Huang, H., Chen, Y., Le, H., Ning, B., Wan, W., & Zhang, H. *Deriving the effective scale height in the topside ionosphere based on ionosonde and satellite in situ observations*. Journal of Geophysical Research: Space Physics. 119(10), 2014, 8472-8482 , ISSN: 2169-9402 .
190. Xie, H.-Y., Ning, B.-Q., Liu, L.-B., Yu, T., Hu, L.-H., Wu, B.-Y., Zheng, J.-C., Chang, S.-M. *Statistical analysis of the ionospheric Chapman scale height at Beijing*. Chinese Journal of Geophysics (Acta Geophysica Sinica), 57 (11), 2014, 3523-3531. ISSN: 2326-0440, doi: 10.6038/cjg20141104 /
- 115. Chanev, K. Simov, P. Osenova, S. Marinov. Dependency Conversion and parsing of the BulTreeBank, Proc. of the LREC workshop Merging and Layering Linguistic Information, Genoa, 2006, 17–24**

**Цитирана от:**

191. MILLE, Simon, et al. *Deep stochastic sentence generation: resources and strategies*. PhD Thesis. Department of Information and Communication Technologies, Department of Information and Communication Technologies. Barcelona. 2014.

- 116. Dezert, J.; Tchamova, A.; Smarandache, F.; Konstantinova, P., "Target Type Tracking with PCR5 and Dempster's rules: A Comparative Analysis," 9th International Conference on Information Fusion, 2006, 8, doi: 10.1109/ICIF.2006.301556**

**Цитирана от:**

192. Erik Blasch, Chun Yang and Ivan Kadar, *Summary of tracking and identification methods*, Proc. SPIE 9091, Signal Processing, Sensor/Information Fusion, and Target Recognition XXIII, 909104, June 20, 2014, doi:10.1117/12.2050260;
193. Erik Blasch. *Trust metrics in information fusion*, Proc. SPIE 9119, Machine Intelligence and Bio-inspired Computation: Theory and Applications VIII, 91190L, May 28, 2014, doi:10.1117/12.2050255;

- 117. Dochev, D.; Hristov, I.. Mobile Learning Applications Ubiquitous Characteristics and Technological Solutions, Cybernetics and Information Technologies, vol. 6, №. 3., 63-65, Sofia, 2006.**

**Цитирана от:**

194. Guilherme Jantsch Moreira, Cristiane Ellwanger. *Gameficação e padrões de interface para dispositivos móveis no estabelecimento do processo de ensino e de aprendizagem*. SENID 2014, University of Passo Fundo, Brasil, [http://senid.upf.br/2014/wpcontent/uploads/2014/Artigos\\_Resumidos\\_1920/123664.pdf](http://senid.upf.br/2014/wpcontent/uploads/2014/Artigos_Resumidos_1920/123664.pdf)
195. Moreira, Guilherme Jantsch, and Cristiane Ellwanger. *Um módulo adicional ao modelo MobilEduc: Agregando gameficação ao processo de ensino e de aprendizagem em dispositivos móveis*. Anais do Computer on the Beach, 2014,:418-421, <http://www6.univali.br/seer/index.php/acotb/article/view/5366>

- 118. Fidanova S. Simulated Annealing for GRID Scheduling Problem, IEEE JVA'06, International Symposium on Modern Computing, 41-45, 2006.**

**Цитирана от:**

196. Krishnamoorthy, N., and R. Asokan. *Optimized Resource Selection to Promote Grid Scheduling Using Hill Climbing Algorithm*. J. of Computer Science and Telecommunications, ISSN 2047-3338, Vol. 5(2), 2014, pp. 14 – 19.
197. Effatparvar, M., Hoseinpour, S., & Asadzadeh, V., *Resource Allocation in Computational Grids environment Using Improved Particle Swarm Optimization Algorithm*. International Journal of Computer Applications Technology and Research, 3(8), ISSN 2319-8656, 2014, 529-532.
198. Al-Khiaty, Mojeb Al-Rhman, and Moataz Ahmed. *Similarity assessment of UML class diagrams using simulated annealing*. Software Engineering and Service Science (ICSESS), 2014 5th IEEE International Conference on. IEEE, ISSN 2327-0586, 2014, 19 – 23.
199. Chniter H., Khalgui M., Jaray F., *Adaptive embedded systems: New composed technical solutions for feasible low-power and real-time flexible OS tasks*, 11th International Conference on Informatics in Control, Automation and Robotics, ICINCO 2014; Vienna; Austria, ISBN: 978-989758039-0, 2014, 92 – 101.

200. Vigneswari, T., and MA Maluk Mohamed. *Performance Analysis of Initialization Methods for Optimizing Artificial Bee Colony Grid Scheduling.*, Conference: Int'l Conf. Par. and Dist. Proc, DOI: 10.13140/2.1.3800.8008, 2014.
- 119. Fidanova S., Durovova M, Ant Algorithm for Grid Scheduling Problem, Large Scale Scientific Computing, LNCS No 3743, 405 – 412, 2006.**
- Цитирана от:**
201. Pacini, Elina, Cristian Mateos, and Carlos García Garino. *Distributed job scheduling based on Swarm Intelligence: A survey*. Computers & Electrical Engineering, ISSN: 0045-7906, Vol 40(10), 2014, 252 – 269.
202. Tiwari P.K., Vidyarthi D.P., *Observing the effect of interprocess communication in auto controlled ant colony optimization-based scheduling on computational grid*, J. Concurrency Computation Practice and Experience, Vol 26(1), ISSN 1532-0626, 2014, 241 – 270.
203. C. W. Tsai, J. J. P. C. Rodrigues. *Metaheuristic Scheduling for Cloud: A Survey*. Systems Journal, IEEE, Volume 8 , Issue 1, Doi: 10.1109/JST.2013.2256731. ISSN: 1932-8184, 2014, 279 – 291.
204. Kumaravel A., *Review on a dynamic scheduling algorithm for grid with task duplication*, Midle-East Journal of Scientific Research, Vol. 20(1), ISSN 1990-9233, 2014, 94 – 99.
205. Qureshi, M. B., Dehnavi, M. M., Min-Allah, N., Qureshi, M. S., Hussain, H., Rentifis, I., ... & Zomaya, A. Y. *Survey on Grid Resource Allocation Mechanisms*. Journal of Grid Computing, Vol. 12(2), Springer-Verlag, ISSN 1570-7873, DOI 10.1007/s10723-014-9292-9, 2014, 399-441.
206. Preethima, R. A., & Johnson, M. *HYBRID ACO-IWD OPTIMIZATION ALGORITHM FOR MINIMIZING WEIGHTED FLOWTIME IN CLOUD-BASED PARAMETER SWEEP EXPERIMENTS*, International Journal of Research in Engineering and Technology, Vol 3(3), ISSN: 2321-7308, 2014, 317—321.
207. Li, Shin-Hung, and Jen-Ing G. Hwang. *Bidirectional Ant Colony Optimization Algorithm for Cloud Load Balancing*. Intelligent Technologies and Engineering Systems , Lecture Notes in Electrical Engineering No 293, Chapter 11, Springer International Publishing, DOI 10.1007/978-3-319-04573-3\_111, 2014, 907 – 913.
208. Jackson G., Keleher P., Sussman A., *Decentralized scheduling and load balancing for parallel programs*, Proceedings - 14th IEEE/ACM International Symposium on Cluster, Cloud, and Grid Computing, CCGrid 2014, 2014, 324-333.
209. Booba, B., and T. V. Gopal. *Comparison of Ant Colony Optimization & Particle Swarm Optimization In Grid Scheduling*. Asian Journal of Information Technology” 13, no. 9, ISSN: 1682-3915 , 2014, 561 – 565.
210. Umarani, M. S., Senthilprakash, T., *Parallel Asynchronous Particle Swarm Optimization For Job Scheduling In Grid Environment*, International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 2(8), 2014, ISSN: 2321-8169, 2384 – 2389.
211. Barkallah, Haitham, Mariem Gzara, and Hanene Ben Abdallah.. *A fully distributed Grid meta scheduling method for non dedicated resources*. In Computer Applications and Information Systems (WCCAIS), 2014 World Congress on, ISBN 978-1-4799-3350-1, DOI 10.1109/WCCAIS.2014.6916613, 1-6. IEEE, 2014.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

212. Vigneswari, T., and M. A. Mohamed. *Scheduling in Sensor Grid Middleware for Telemedicine Using ABC Algorithm*. International Journal of Telemedicine and Applications 2014, dx.doi.org/10.1155/2014/592342, 2014.
- 120. Fidanova S., 3D HP Protein Folding Using Ant Algorithm, In proc of BioPs'06, Sofia, Bulgaria, pp III. 19 – 26, 2006.**

**Цитирана от:**

213. Santos, J., Villot, P., & Diéguez, M., *Emergent Protein Folding Modeled with Evolved Neural Cellular Automata Using the 3D HP Model*. Journal of Computational Biology, doi:10.1089/cmb.2014.0077, 2014.
- 121. Fidanova S. Ant Colony Optimization and Multiple Knapsack Problem, Handbook of Research on Nature Inspired Computing for Economy and Management, Rennard J.-Ph. Editor, Chapter 33, Idea Group Inc. pub., ISBN 1-59140-984-5, 2006, 489-509.**

**Цитирана от:**

214. Mei, Y., Li, X., & Yao, X., *On investigation of interdependence between subproblems of the Travelling Thief Problem*. Soft Computing, Springer, ISSN: 1432-7643, SJR 1.019, 2014, 1-16.
- 122. Gerkšič S., G. Dolanc, D. Vrančić, J. Kocijan, S. Strmčnik, S. Blažič, M. Hadjiski, K. Boshnakov - Advanced control algorithms embedded in a programmable logic controller, Control engineering practice, 14 (8), ISSN 0967-0661, 2006, pp. 935-948.**

**Цитирана от:**

215. Bao J., H. Wu, Y. Yan. *A fault diagnosis system-PLC design for system reliability improvement*, The International Journal of Advanced Manufacturing Technology, 75 (1-4), ISSN (Print) 0268-3768, ISSN (Online) 1433-3015, 2014, 523-534.
216. Madonski R., M. Nowicki, P. Herman. *Application of active disturbance rejection controller to water supply system*, In 33rd Chinese IEEE Control Conference (CCC), 2014, 4401-4405.
- 123. Kosina, H., M. Nedjalkov Wigner function-based device modeling ,in: M. Rieth, W. Schommers (Eds.), Nanodevice Modeling and Nanoelectronics, Handbook of Theoretical and Computational Nanotechnology, vol. 10, American Scientific Publishers, 2006.**

**Цитирана от:**

217. Haiyan Jiang, Tiao Lub, Wei Caic, *A device adaptive inflow boundary condition for Wigner equations of quantum transport*, Journal of Computational Physics Volume 258, 1 February 2014, 773–786.
- 124. Kutiev, I.S., Marinov, P.G., Watanabe, S. Model of topside ionosphere scale height based on topside sounder data. Advances in Space Research, 37 (5), 2006, 943-950.**

**Цитирана от:**

218. Venkatesh, K., Rama Rao, P.V.S., Fagundes, P.R. *The role of altitudinal variation of scale height in determining the topside electron density profile over equatorial and low latitude sectors*. Journal of Atmospheric and Solar-Terrestrial Physics, 121 (PA), 2014, 72-82.
219. Shpynev, B.G., Khabituev, D.S. *Estimation of the plasmasphere electron density and O+/H+ transition height from Irkutsk incoherent scatter data and GPS total electron content*. Journal of Atmospheric and Solar-Terrestrial Physics, 119, 2014, 223-228.
220. Verhulst, T., & Stankov, S. M. *Ionospheric specification with analytical profilers: evidences of non-Chapman electron density distribution in the upper ionosphere*. Advances in Space Research. 2014,  
<http://www.sciencedirect.com/science/article/pii/S0273117714006450>
221. Liu, L., Huang, H., Chen, Y., Le, H., Ning, B., Wan, W., & Zhang, H. *Deriving the effective scale height in the topside ionosphere based on ionosonde and satellite in situ observations*. Journal of Geophysical Research: Space Physics. 119(10), 2014, 8472-8482, ISSN: 2169-9402
222. Klimenko, M. V., Klimenko, V. V., Zakharenkova, I. E., & Cherniak, I. V. The global morphology of the plasmaspheric electron content during Northern winter 2009 based on GPS/COSMIC observation and GSM TIP model results. *Advances in Space Research*. 2014,  
<http://www.sciencedirect.com/science/article/pii/S0273117714003895>
125. Monachesi, P., Lemnitzer, L. and Simov, K. 2006. Language technology for elearning, in W. Nejdl and K. Tochtermann (eds), Proceedings of EC-TEL 2006, Springer LNCS, 667-672.

**Цитирана от:**

223. GAUDIO, Rosa Del, et al. *Automatic extraction of definitions*. 2014, DOI: 10.1017/S1351324912000381.
126. Nern, J., G. Agre, T. Atanasova, Z. Marinova, A. Micsik, L. Kovács, J. Saarela and T. Westkaemper. INFRAWEBS Semantic Web Service Development on the Base of Knowledge Management Layer. International Journal "Information Theories & Applications" Vol.13, 2006, pp. 161-168, ISSN 1310-0513.

**Цитирана от:**

224. Mtsweni, Jabu, Elmarie Biermann, and Laurette Pretorius. *iSemServ: A model-driven approach to developing semantic web services*. South African Computer Journal 52, 2014, 55-70, ISSN 1015-7999.
127. Popivanov, D., Stomonyakov, V., Minchev, Z., Jivkova, S., Dojnov, P., Jivkov, S., Christova, E., Kosev, S. Multifractality of decomposed EEG during imaginary and real visual-motor tracking, *Biological Cybernetics*, 94 (2), 2006, pp. 149-156, doi: 10.1007/s00422-005-0037-5

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

**Цитирана от:**

225. Nicolas Zilber. *ERF and scale-free analyses of source-reconstructed MEG brain signals during a multisensory learning paradigm*, Université Paris-Sud, Ecole Doctorale STITS, Thèse de doctorat, April, 2014, Available at: [http://tel.archives-ouvertes.fr/docs/00/98/49/90/PDF/VA\\_ZILBER\\_NICOLAS\\_10032014.pdf](http://tel.archives-ouvertes.fr/docs/00/98/49/90/PDF/VA_ZILBER_NICOLAS_10032014.pdf)
226. David Papo, *Functional significance of complex fluctuations in brain activity: from resting state to cognitive neuroscience*. *Frontiers in Systems Neuroscience*, 8:112, june, 2014, DOI: 10.3389/fnsys.2014.00112
- 128. Ringlstetter, C., Schulz, K.U., Mihov, S., Orthographic errors in Web pages: Toward cleaner Web corpora, Computational Linguistics, 32 (3), 2006, 295-340.**

**Цитирана от:**

227. Ho, CF (Ho, ChukFong); Murad, MAA (Murad, Masrah Azrifah Azmi); Doraisamy, S (Doraisamy, Shyamala); Kadir, RA (Kadir, Rabiah Abdul), *Extracting lexical and phrasal paraphrases: a review of the literature*, ARTIFICIAL INTELLIGENCE REVIEW Volume: 42 Issue: 4 , 2014, 851-894
228. Nathan Hartmann and Lucas Avanço and Pedro Balage and Magali Duran and Maria Das Graças Volpe Nunes and Thiago Pardo and Sandra Aluísio, *A Large Corpus of Product Reviews in Portuguese: Tackling Out-Of-Vocabulary Words*, Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC-2014), 2014, 3865-3871,
229. Magali Sanches Duran; Lucas Avanço; Sandra Aluísio; Thiago Pardo; Maria da Graça Volpe Nunes, *Some Issues on the Normalization of a Corpus of Products Reviews in Portuguese*, Proceedings of the 9th Web as Corpus Workshop (WaC-9), 2014, 22-28. <http://www.aclweb.org/anthology/W14-0404>
230. BRUNI, LEONARDO, *A methodological framework to understand and leverage the impact of content on social media influence*, 2014, Ph.D. Thesis, Politecnico di Milano. <http://hdl.handle.net/10589/89442>
- 129. Shapiro, V., G. Gluhchev, D. Dimov: Towards a multinational car license plate recognition system. Machine Vision and Applications, 2006, Vol. 17 (3), pp. 173-183, DOI: 10.1007/s00138-006-0023-5, Print ISSN: 0932-8092, Online ISSN: 1432-1769,**

**Цитирана от:**

231. Bhatti, M.S., F. Saeed, M. Ajmal, M. Tayyab, Q. Naeem, A. Safdar, *Survey of Computer Vision Techniques for License Plate Detection*, Journal of Basic and Applied Scientific Research, Vol. 4 (1), 68-77, 2014, ISSN: 2090-4304,
232. Daamen, W., Ch. Buisson, S. P. Hoogendoorn, *Traffic Simulation and Data: Validation Methods and Applications*, Monograph - 262 Pages, September 17, 2014, CRC Press, ISBN: 9781482228700 - CAT# K22594,
233. Dhruw, R., D. Roy, Automatic *Number Plate Recognition System*, International Journal of Computer Science and Mobile Computing (IJCSMC), Vol. 3 (7), 6-12, July 2014, ISSN: 2320-088X,
234. George, P., Ανιχνευση Και Αναγνωριση Πινακιδων Κυκλοφοριας Με Χρηση Τοπικων Χαρακτηριστικων (*Detect and identify the license plate using local features*), Thesis, November 8, 2014, Athens, 73 pages,

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

235. Lu, T., S. Palaiahnakote, C.L. Tan, W. Liu, *Video Text Detection Systems*, Advances in Computer Vision and Pattern Recognition, 169-193, 2014, DOI: 10.1007/978-1-4471-6515-6\_7,
236. Vikas, M.C., *Fast Moving Vehicle Number Plate Detection*, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Special Issue 3, 237-241, April 2014, ISSN (Print): 2320-3765,
237. Youssef, A.M., M.S. El-Mahallawy, A. Badr, *Egyptian license plate recognition using enhanced stroke width transformation and fuzzy ARTMAP*, Journal of Computer Science, Vol. 10 (6), 961-969, 2014, DOI: 10.3844/jcssp.2014.961-969,
- 130. Stoilov T., K.Stoilova. Virtual learning platforms and good practice. Comenius 3 Network EcoMedia – Europe International workshop “Virtual learning and school education” June 8-10, 2006, Sofia, Bulgaria, p.4-27.**

**Цитирана от:**

238. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.
- 131. Stoilov, T., K. Stoilova, Computer Automation of Business Processes, National Scientific Conference "Mathematics, Informatics and Computer Sciences"- St. Cyril and St. Methodius University of Veliko Tarnovo, Veliko Tarnovo, Bulgaria, 12-13 May, 2006, 167-172.**

**Цитирана от:**

239. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.
- 132. Stoilova K., T. Stoilov. Comparison of workflow software products. Proceedings of International Conference “CompSysTech2006”, Veliko Tarnovo, 2006, p.IIA.21-1 – IIA.21-6.**

**Цитирана от:**

240. Gallard, François. *AIRCRAFT SHAPE OPTIMIZATION FOR MISSION PERFORMANCE*. DOCTORAT DE L'UNIVERSITÉ DE TOULOUSE. Présentée et soutenue le 26/05/2014.  
[http://www.cerfacs.fr/~cfdbib/repository/TH\\_CFD\\_14\\_16.pdf](http://www.cerfacs.fr/~cfdbib/repository/TH_CFD_14_16.pdf)
241. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.
- 133. Stoilova, K., T.Stoilov. Technologies for integration of e-learning content. Proceedings of “E-learning conference’06: Computer science education”. Coimbra, Portugal, 7-8 September, 2006, ISBN 978-989-20-0350-4, pp.2.11-1, 2.11-6.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

242. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г
- 134. Tchamova, A., J. Dezert, and F. Smarandache, A New Class of Fusion Rules Based on T-Conorm and T-Norm Fuzzy Operators, Information & Security: An International Journal, vol. 20, 65-82, 2006, DOI <http://dx.doi.org/10.11610/isij.2003>**

**Цитирана от:**

243. Ning Wang, Li Lu, Ge Gao, Fanglin Wang, Shi Li, *Multibiometrics fusion using Aczél-Alsina triangular norm*, KSII Transactions on Internet and Information Systems (TIIS) Vol.8 No.7, 2014.7, 2420-2433 DOI: 10.3837/tiis.2014.07.012
- 135. Tagarev, T. The Art of Shaping Defense Policy: Scope, Components, Relationships (but no Algorithms), *Connections: The Quarterly Journal* 5:1, Spring-Summer 2006, 15-34.**

**Цитирана от**

244. Georgi Tzvetkov, Defense Policy and Reforms in Bulgaria since the End of the Cold War: A Critical Analysis, *Connections: The Quarterly Journal* 13:2 (Spring 2014): in print. ISSN 1812-1098.
- 136. Zlatev, Z., I. T. Dimov. *Computational and Numerical Challenges in Environmental Modelling*, Amsterdam-Boston-Heidelberg-London-New York-Oxford-Paris-San Diego-San Francisco-Singapore-Sydney-Tokyo, 2006, 373 p., Elsevier ISBN-13: 978-0-444-52209-2**

**Цитирана от:**

245. Chernogorova, Tatiana, and Lubin Lubin Vulkov. *Fitted finite volume positive difference scheme for a stationary model of air pollution*. Numerical Algorithms, 2014, 1-19.  
<http://rd.springer.com/article/10.1007/s11075-014-9940-y#page-1>

----- 2007 -----

- 137. Agre, G., Z. Marinova, T. Pariente, and A. Micsik. Towards Semantic Web Service Engineering. In Proceedings of the SMR2 2007 Workshop on Service Matchmaking and Resource Retrieval in the SemanticWeb, volume 243 of CEUR WS, 2007, 91-105.**

**Цитирана от:**

246. Zakaria Maamara, Samir Tataa, Kokou Yetongnona, Djamal Benslimanea and Philippe Thiran. *A goal-based approach to engineering capacity-driven Web services*. The Knowledge Engineering Review, Volume 29, Issue 02, March 2014, 265-280, ISSN The Knowledge Engineering Review.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

247. Mtsweni, Jabu, Biermann, Elmarie and Pretorius, Laurette. *iSemServ: a model-driven approach to developing semantic web services*. South African Computer Journal, Vol 52, July 2014, 55-70, ISSN: 10157999.
- 138. Atanassova, L. On intuitionistic fuzzy versions of L. Zadeh's extension principle Notes on Intuitionistic Fuzzy Sets, vol. 13(3), 33-36, 2007, ISSN: 1310-4926**

**Цитирана от:**

248. Varghese, A. *A study of economic equilibria using fuzzy and intuitionistic fuzzy mathematical tools*. PhD thesis at Mahatma Gandhi University, 19/07/2014, vii, 187p. [http://scholar.google.bg/scholar?as\\_ylo=2014&hl=en&as\\_sdt=2005&sciodt=0,5&cites=10808424323274028709&scipsc=](http://scholar.google.bg/scholar?as_ylo=2014&hl=en&as_sdt=2005&sciodt=0,5&cites=10808424323274028709&scipsc=)
249. Marinov, E. *On extension principle for intuitionistic fuzzy sets*. Notes in Intuitionistic Fuzzy Sets 20.3, 2014, 34-41. ISSN: 1310-4926
- 139. Dimov, D., A. Marinov and N. Zlateva: CBIR Approach to the Recognition of a Sign Language Alphabet. In: B. Rachev, A. Smrikarov and D. Dimov (Eds.) Conf. Proceedings of CompSysTech'2007, June 14-15, 2007, Rousse, ISBN-978-954-9641-50-9, V.2.1-9**

**Цитирана от:**

250. Karappa, V., C.D.D. Monteiro, F.M. Shipman, R. Gutierrez-Osuna, *Detection of sign-language content in video through polar motion profiles*, IEEE International Conference on Acoustics, Speech and Signal Processing, 1290-1294, May 4-9, 2014, DOI: 10.1109/ICASSP.2014.6853805,
251. Shipman, F. M., R. Gutierrez-Osuna, C. D. D. Monteiro, *Identifying Sign Language Videos in Video Sharing Sites*, Journal of ACM Transactions on Accessible Computing, Vol. 5 (4), Article No. 9, 14 pages, March 2014, DOI: 10.1145/2579698
- 140. Fidanova S. Hybrid Heuristic Algorithm for GPS Surveying Problem, Numerical Methods and Applications, Lecture Notes in Computer Science No 3410, 2007, 239 – 246.**

**Цитирана от:**

252. Roeva, Olympia. *Genetic Algorithm and Firefly Algorithm Hybrid Schemes for Cultivation Processes Modelling*. Transactions on Computational Collective Intelligence XVII, Lecture Notes in Computer Science 8790, Springer Berlin Heidelberg, ISBN: 978-3-662-44993-6, DOI: 10.1007/978-3-662-44994-3\_10, 2014, 196-211.
- 141. Kabakchiev, C., I. Garvanov, L. Doukovska, V. Kyovtorov, H. Rohling, Data Association Algorithm in TBD Multiradar System, In: Proc. of the International Radar Symposium (IRS'07), 521-525, 2007, Cologne, Germany, ISBN: 0885-8985,**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

253. Fan, L., Coarse-to-fine 3D Randomized Hough Transform for dim target detection, Applied Mechanics and Materials, Vol. 519-520, 1038-1043, 2014, DOI: 10.4028/www.scientific.net/ AMM.519-520.1038, ISBN: 978-303835019-4
- 142. Kutiev, I., Marinov, P. Topside sounder model of scale height and transition height characteristics of the ionosphere. Advances in Space Research, 39 (5), 2007, 759-766.**

**Цитирана от:**

254. Shpynev, B.G., Khabituev, D.S. *Estimation of the plasmasphere electron density and O+/H+ transition height from Irkutsk incoherent scatter data and GPS total electron content*. Journal of Atmospheric and Solar-Terrestrial Physics, 119, 2014, 223-228.
255. Verhulst, T., Stankov, S.M. *Evaluation of ionospheric profilers using topside sounding data* Radio Science, 49 (3), 2014, 181-195.
- 143. Lemnitzer, L., Cristina Vertan, Alex Killing, Kiril Simov, Diane Evans, Dan Cristea, Paola Monachesi: Improving the search for learning objects with keywords and ontologies. Presented at the Second European Conference on Technology Enhanced Learning (EC-TEL), Crete, September 2007, 202-216**

**Цитирана от:**

256. MARKUS, F. T. *Where social noise and structure converge: learning with social semantics*. 2014, ISBN: 978-90-393-6033-0.
- 144. Mihov, S. Petar Mitankin, Annette Gotscharek, Ulrich Reffle, Klaus U. Schulz, Christoph Ringlstetter: Tuning the Selection of Correction Candidates for Garbled Tokens using Error Dictionaries, in: Finite State Techniques and Approximate Search, Stoyan Mihov and Klaus U. Schulz (eds.), Proceedings of the First Workshop on Finite-State Techniques and Approximate Search, September 30th, 2007, Borovets, Bulgaria, p.25-30.**

**Цитирана от:**

257. Cormac Hampson, Séamus Lawless, Eoin Bailey, Christina M. Steiner, Eva Hillemann, Owen Conlan, *Metadata-Enhanced Exploration of Digital Cultural Collections*, International Journal of Metadata, Semantics and Ontologies, 2014, 155-167
258. Lenz Furrer, *Unsupervised Text Segmentation for Automated Error Reduction*, Proceedings of the 12th edition of the KONVENS conference Vol. 1, 2014, 178-185
- 145. Mihov S., Mitankin P., Schulz K.U., Fast selection of small and precise candidate sets from dictionaries for text correction tasks, (2007) Proceedings of the International Conference on Document Analysis and Recognition, ICDAR, 1, pp. 471-475.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

259. Rees, T., *Taxamatch, an algorithm for near ('Fuzzy') matching of scientific names in taxonomic databases*, PLoS ONE, 9 (9), art. no. 107510, 2014.
- 146. Nedjalkov, M., D. Vasileska, I.T. Dimov, and G. Arsov, Mixed initial-boundary value problem in particle modeling of microelectronic devices, Monte Carlo Methods Appl., Vol. 13, Issue 4, 2007, 299-331.**

**Цитирана от:**

260. Konchenkov, V. I., S. V. Kryuchkov, and D. V. Zav'yalov. *Influence of constant electric field on circular photogalvanic effect in material with Rashba Hamiltonian*. Journal of Computational Electronics 13.4, 2014, 996-1009.  
<http://rd.springer.com/article/10.1007/s10825-014-0622-8>
- 147. Ostromsky, Tz., Z. Zlatev. Parallel and GRID implementation of a large scale air pollution model. Numerical Methods and Applications, LNCS 4310, Springer, 2007, 475–482.**

**Цитирана от:**

261. Ádám Leelössy, Ferenc Molnár Jr., Ferenc Izsák, Ágnes Havasi, István Lagzi, Róbert Mészáros, *Dispersion modeling of air pollutants in the atmosphere: a review*. Central European Journal of Geosciences, Springer, September 2014, Volume 6, Issue 3 257-278. ISSN: 2081-9900
- 148. Peneva V., I. Popchev - Aggregation of fuzzy preference relations to multicriteria decision making, Fuzzy Optimization and Decision Making, 6 (4), ISSN (Print) 1568-4539, ISSN (Online) 1573-2908, 2007, 351-365.**

**Цитирана от:**

262. Gagolewski M., J. Lasek. *The Use of Fuzzy Relations in the Assessment of Information Resources Producers Performance*, Intelligent Systems' 2014, Springer International Publishing, ISBN (Print) 978-3-319-11312-8, ISBN (Online) 978-3-319-11313-5, 2014, pp. 289-300.
263. Bashar M. A., K. W. Hipel, D. M. Kilgour, A. Obeidi. *Coalition fuzzy stability analysis*, Journal of Intelligent and Fuzzy Systems, 2014, DOI 10.3233/IFS-141336, ISSN (Print) 1064-1246, ISSN (Online) 1875-8967.
264. Wang L. C., X. Y. Zeng, L. Koehl, Y. Chen. *Intelligent Fashion Recommender System: Fuzzy Logic in Personalized Garment Design*, volume PP, Issue 99, 1-15, 2014, ISSN 2168-2291, DOI 10.1109/THMS.2014.2364398.
265. Mousavi S. Meysam, B. Vahdani, R. Tavakkoli-Moghaddam, N. Tajik. *Soft computing based on a fuzzy grey group compromise solution approach with an application to the selection problem of material handling equipment*, International Journal of Computer Integrated Manufacturing , 27 (6), ISSN (Print) 0951-192X, ISSN (Online) 1362-3052, 2014, 547-569.
266. Khalid A., M. Awais. *Incomplete preference relations: An upper bound condition*, Journal of Intelligent and Fuzzy Systems, 26 (3), ISSN (Print) 1064-1246, ISSN (Online) 1875-8967, 2014, 1433-1438.

149. Peneva V., I. Popchev. Aggregation of fuzzy relations using weighting function, *Comptes rendus de l'Academie bulgare des sciences*, 60 (10), ISSN (Print) 1310-1331, ISSN (Online) 2367-5535, 2007.

**Цитирана от:**

267. Tomová M. *First weight-center operator*, 18th Int. Conf. on IFSs, Sofia, Notes on Intuitionistic Fuzzy Sets, vol. 20 (2), ISSN 1310–4926, 2014, 23-26.

150. Przepiorkowski, Adam and Degorski, Lukasz and Wojtowicz, Beata and Spousta, Miroslav and Kubon, Vladislav and Simov, Kiril and Osenova, Petya and Lemnitzer, Lothar. 2007. Towards the automatic extraction of definitions in Slavic. In: *Proceedings of the Workshop on Balto-Slavonic Natural Language Processing: Information Extraction and Enabling Technologies*. ACL '07. 43-50.

**Цитирана от:**

268. ESPINOSA-ANKE, Luis; SAGGION, Horacio. *Applying Dependency Relations to Definition Extraction*. In: *Natural Language Processing and Information Systems*. Springer International Publishing, 2014.. 63-74, DOI - 10.1007/978-3-319-07983-7\_10, Print ISBN - 978-3-319-07982-0; Online ISBN – 978-3-319-07983-7, Series ISSN - 0302-9743.

269. POLLAK, Senja. *Polavtomatsko modeliranje področnega znanja iz večjezičnih korpusov Semi-automatic Domain Modeling from Multilingual Corpora*. 2014. PhD Thesis. University of Ljubljana.

270. SCHUMANN, Anne-Kathrin. *Hunting for a linguistic phantom: A corpus-linguistic study of knowledge-rich contexts*. Terminology, 2014, 20.2: 198-224, DOI: 10.1075/term.20.2.04sch.

271. GAUDIO, Rosa Del, et al. *Automatic extraction of definitions*. 2014, DOI: 10.1017/S1351324912000381.

151. Ringlstetter, C., Klaus U. Schulz, and Stoyan Mihov. Adaptive text correction with Web-crawled domain-dependent dictionaries. *ACM Trans. Speech Lang. Process.* 4, 4, Article 9, October 2007.

**Цитирана от:**

272. Kettunen , K , Honkela , T , Linden , K , Kauppinen , P , Pääkkönen , T & Kervinen , J *Analyzing and Improving the Quality of a Historical News Collection using Language Technology and Statistical Machine Learning Methods* in IFLA World Library and Information Congress Proceedings : 80th IFLA General Conference and Assembly, 2014. <https://helda.helsinki.fi/handle/10138/136269>

152. Ringlstetter, C., Max Hadersbeck, Klaus U. Schulz and Stoyan Mihov, Text Correction Using Domain Dependent Bigram Models from Web Crawls, *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI-2007) Workshop on Analytics for Noisy Unstructured Text Data*, pp. 47-54, Hyderabad, India, January 2007.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

**Цитирана от:**

273. Azawi, M.A., Breuel, T.M., Context-dependent confusions rules for building error model using weighted finite state transducers for OCR post-processing, Proceedings - 11th IAPR International Workshop on Document Analysis Systems, DAS 2014, art. no. 6830981, 116-120, 2014.
- 153. Рачев, В. Тодор Тагарев, Златогор Минчев и др., Методология и сценарии за отбранително планиране (София: Военно издателство, 2007 г., 340 стр. ISBN 978-954-509-392-0**

**Цитирана от:**

274. Георги Младенов Цветков, *Формиране на отбранителната политика на Република България (1990-2010)*, дисертация, София: ВА "Г.С. Раковски", 2014, 256 стр.
275. Георги Цветков, *Изграждане на отбранителни способности при ограничено финансиране – Ролята на гражданските ресурси за отбрана*, в *Планиране на гражданските ресурси за отбрана и развитие на отбранителните способности на страната*, София: Министерство на от branata, 2014, 61-84. ISSN 2367-4709
276. Венелин Георгиев, *Алтернативни подходи за управление на гражданските ресурси за отбрана*, в *Планиране на гражданските ресурси за отбрана и развитие на отбранителните способности на страната*, София: Министерство на от branata, 2014, 85-120. ISSN 2367-4709
277. Йоана Иванова, *Приложение на мултимедийните технологии в информационните системи на сигурността и отбраната*. IT4Sec Reports 114, 2014. ISSN 1314-5614, <http://dx.doi.org/10.11610/it4sec.0114>.
- 154. Savov S., I. Popchev - Robust stability of polytopic systems via homogeneous polynomials, Sciences et ingenierie, 2007, 749-756.**

**Цитирана от:**

278. Fan G. L., X. G. Liang. *Gain-scheduled controllers design for interceptor parameter-varying system with multi-saturated constraint*, International Journal of Dynamics and Control, 2 (3), ISSN (Print) 2195-268X, ISSN (Online) 2195-2698, 2014, 354-364.
- 155. Stankov, S.M., Marinov, P., Kutiev, I. Comparison of NeQuick, PIM, and TSM model results for the topside ionospheric plasma scale and transition heights, Advances in Space Research, 39 (5), 2007, 767-773.**

**Цитирана от:**

279. Alcay, S., Yigit, C.O., Seemala, G., Ceylan, A. *GPS-based ionosphere modeling: A brief review*, Fresenius Environmental Bulletin, 23 (3 A), 2014, 815-824.

- 156.** Stoilova K., Z.Ivanova, T.Stoilov. E-intelligence in Portfolio Investment Optimization. In *E-Service Intelligence: Methodologies, Technologies and Applications*, J.Lu, D.Ruan, G.Zhang (Eds). Springer – Verlag, Berlin, Heidelberg, 2007, ISBN-10: 3-540-37015-3, ISBN-13: 978-3-540-37015-4, p.457-476.

**Цитирана от:**

280. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.

- 157.** Tagarev T. and Nikolay Pavlov, “Planning Measures and Capabilities for Protection of Critical Infrastructures,”*Information & Security: An International Journal* 22, 2007, 38-48.

**Цитирана от:**

281. Schneider, Tina, *Responsibility for private sector adaptation to climate change, Ecology and Society* 19, no. 2, 2014, 8. <http://dx.doi.org/10.5751/ES-06282-190208>

282. Yoana Ivanova, *Policies for the Protection of Critical Infrastructure from Cyber Attacks*, IT4Sec Reports 116, 2014. ISSN 1314-5614,

- 158.** Тагарев, Т. **Отбранителната политика: обхват, основни компоненти и зависимости**, *Междуднародни отношения*, бр. 1-2 (2007 г.): 141-156.

**Цитирана от:**

283. Георги Младенов Цветков, *Формиране на отбранителната политика на Република България (1990-2010)*, дисертация, София: ВА "Г.С. Раковски", 2014, 256 стр.

- 159.** Тодор Тагарев, Лидия Велкова, „**Модели на отбранителната политика на България в сравнителна макроперспектива**,“ *Военен журнал* (ISSN 0861-7392), т. 114, бр. 5, 2007 г., 115-125.

**Цитирана от:**

284. Георги Младенов Цветков, *Формиране на отбранителната политика на Република България (1990-2010)*, дисертация, София: ВА "Г.С. Раковски", 2014, 256 стр.

- 160.** Warnant, R., Kutiev, I., Marinov, P., Bavier, M., Lejeune, S. Ionospheric and geomagnetic conditions during periods of degraded GPS position accuracy: 1. Monitoring variability in TEC which degrades the accuracy of Real-Time Kinematic GPS applications. *Advances in Space Research*, 39 (5), 2007, 875-880.

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

285. Xi, G., Zhu, F., Gan, Y., & Jin, B. Research on the regional short-term ionospheric delay modeling and forecasting methodology for mid-latitude area. *GPS Solutions*, 2014, 1-9.
- 161. Warnant, R., Kutiev, I., Marinov, P., Bavier, M., Lejeune, S. Ionospheric and geomagnetic conditions during periods of degraded GPS position accuracy: 2. RTK events during disturbed and quiet geomagnetic conditions. Advances in Space Research, 39 (5), 2007, 881-888.**
286. Mridula, N., Pant, T.K., Vineeth, C., Kishore Kumar, K. *Features of the occurrence of the additional stratification on the bottom-side F region over the equatorial location of Trivandrum*. Advances in Space Research, 54 (3), 2014, 403-408.
287. Shytermeja, E., Rakipi, A., Cakaj, S., Kamo, B., & Koliçi, V. *Performance Impact of Ionospheric and Tropospheric Corrections of User Position Estimation Using GPS Raw Measurements*. In: ICT Innovations 2013 , 2014, 157-165,. Springer International Publishing.

---- 2008 -----

- 162. Atanassov, E., and I.T. Dimov, What Monte Carlo models can do and cannot do efficiently?, Applied Mathematical Modelling, Volume 32, Issue 8, August 2008, 1477–1500, doi:10.1016/j.apm.2007.04.010.**

**Цитирана от:**

288. Rajabi, Mohammad Mahdi, and Behzad Ataie-Ashtiani. *Sampling efficiency in Monte Carlo based uncertainty propagation strategies: Application in seawater intrusion simulations*. Advances in Water Resources 67, 2014: 46-58 <http://www.sciencedirect.com/science/article/pii/S0309170814000219>
289. Gobet, Emmanuel, and Khushboo Surana. *A new sequential algorithm for L2-approximation and application to Monte-Carlo integration*, 2014,.
- 163. Atanassova V. Ifigenia – Doing IFS and GN the Wiki Way, Advances in Fuzzy Sets, Intuitionistic Fuzzy Sets, Generalized Nets and Related Topics, Volume 2: Applications, EXIT Publishing House, Warsaw, Poland, ISBN 978-83-60434-58-1, 2008, 13-18.**

**Цитирана от:**

290. Andreev S., K. Atanassov, S. Sotirov. Generalized net model of a social network with intuitionistic fuzzy estimation, Notes on IFS, volume 20, Number 3, 2014, ISSN 1310-4926, pp. 72-83.
- 164. Avramov, C. Russel, N. Kolkovska, I. Georgiev, Crystallization kinetics and network rigidity, J. Phys.: Condens. Matter, 20(2008), 335203.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

291. J. C. Mauro, C. S. Philip, D. J. Vaughn, M, S. Pambianchi, *Glass Science in the United States: Current Status and Future Directions*, International Journal of Applied Glass Science, Volume 5, Issue 1, 2-15, 2014
- 165. Bakanova, N., T. Atanasova. Modelling of integrated resources in distributed information networks. J. Elektrosvjaz, No.3, 2008. 41-44, ISSN 0013-5771.**

**Цитирана от:**

292. Tashev, T., V. Monov. *Computer simulations of a modified MiMa-algorithm for a crossbar packet switch*. Proceedings of the 15th International Conference on Computer Systems and Technologies. ACM, 2014, ISBN: 978-1-4503-2753-4.
- 166. Branford, S., C. Sahin, A. Thandavan, C. Weihrauch, V. Alexandrov, I. Dimov, Monte Carlo Methods for Matrix Computations on the Grid, Future Generation Computer Systems, Vol. 24 , Issue 6, 2008, 605-612**

**Цитирана от:**

293. Forget, Benoit. *Preliminary Studies on the Resiliency of Stochastic Linear Solvers*. SNA+ MC 2013-Joint International Conference on Supercomputing in Nuclear Applications+ Monte Carlo. EDP Sciences, 2014.
- 167. Dimov, I. T. Monte Carlo Methods for Applied Scientists, New Jersey, London, Singapore, World Scientific, 2008, 291, World Scientific ISBN-13 978-981-02-2329-8; ISBN-10 981-02-2329-3**

**Цитирана от:**

294. Rajabi, Mohammad Mahdi, Behzad Ataie-Ashtiani, and Craig T. Simmons. *Polynomial Chaos Expansions for Uncertainty Propagation and Moment Independent Sensitivity Analysis of Seawater Intrusion Simulations*. Journal of Hydrology , 2014.
295. Chatterjee, Kausik, John R. Roadcap, and Surendra Singh. *A new Green's function Monte Carlo algorithm for the solution of the two-dimensional nonlinear Poisson–Boltzmann equation: Application to the modeling of the communication breakdown problem in space vehicles during re-entry*. Journal of Computational Physics 276, 2014, 479-485.
296. López, Iván, Mauricio Passeggi, and Liliana Borzacconi. *Validation of a simple kinetic modelling approach for agro-industrial waste anaerobic digesters*. Chemical
297. Rajabi, Mohammad Mahdi, and Behzad Ataie-Ashtiani. *Sampling efficiency in Monte Carlo based uncertainty propagation strategies: Application in seawater intrusion simulations*. Advances in Water Resources 67, 2014, 46-64.
298. Ellinghaus, Paul, Mihail Nedjalkov, and Siegfried Selberherr. *The Wigner Monte Carlo method for accurate semiconductor device simulation*. Simulation of Semiconductor Processes and Devices (SISPAD), 2014 International Conference on.
299. Ellinghaus, Paul, Mihail Nedjalkov, and Siegfried Selberherr. *Implications of the coherence length on the discrete Wigner potential*. 16th Intl. Workshop on Computational Electronics (IWCE). 2014. [http://www.iue.tuwien.ac.at/pdf/ib\\_2014/CP2014\\_Ellinghaus\\_6.pdf](http://www.iue.tuwien.ac.at/pdf/ib_2014/CP2014_Ellinghaus_6.pdf)
300. Pilan, Nicola, et al. *Magnetic Field Effect on Voltage Holding in the MITICA Electrostatic Accelerator*. IEEExplore, 2014, 1-1.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

301. Ellinghaus, Paul, Mihail Nedjalkov, and Siegfried Selberherr. *Efficient calculation of the two-dimensional Wigner potential*. Computational Electronics (IWCE), 2014 International Workshop on. IEEE, 2014.
302. Siswantoro, Joko, Anton Satria Prabuwono, and Azizi Abdullah. *Volume Measurement Algorithm for Food Product with Irregular Shape using Computer Vision based on Monte Carlo Method*. Journal of ICT Research and Applications 02/2014; 8C(1):1-17. DOI: 10.5614/itbj.ict.res.appl.2014.8.1.1, 2014.
303. Siswantoro, Joko, et al. *Monte Carlo Method with Heuristic Adjustment for Irregularly Shaped Food Product Volume Measurement*. The Scientific World Journal 2014 .
304. Forget, Benoit. *Preliminary Studies on the Resiliency of Stochastic Linear Solvers*. SNA+ MC 2013-Joint International Conference on Supercomputing in Nuclear Applications+ Monte Carlo. EDP Sciences, 2014.
305. Moradi, Mojtaba, Zaynab Ayatia, and Mohammad Ali Mirzazadeha. *Numerical and simulation methods for solving of non-linear Fredholm integro-differential equations*" International Journal of Applied Mathematics and Computation 5.4, 2014.
306. Bachtiar, A. A., and R. Kosasih. *Bipas Flow with Dominant Poloidal Component*. Sciences 85.1,2014,54.
- 168. Dimov, I., J Dongarra, K Madseni, J Wasniewski. Application of Distributed and Grid Computing, Elsevier Science North-Holland Publishing Company, 2008 , 150 p.**

**Цитирана от:**

307. Zhu, Wei-shen, et al. *Rock failure and its jointed surrounding rocks: A multi-scale grid meshing method for DDARF*. Tunnelling and Underground Space Technology 43, 2014, 370-376.
308. Mancini, Emilio Pasquale, et al. *Simulation-based optimization of multiple-task GRID applications*. Future Generation Computer Systems 24.6, 2008, 594-604.
- 169. Fidanova S, Lirkov I. Ant Colony System Approach for Protein Folding, In Proc of IMCSIT, WCO, Wisla, Poland, 2008, 887 – 891.**

**Цитирана от:**

309. Kumar, M., Pandey, S., Jaiswal, K. L., & Yadav, P., *Ab-initio Algorithms for 3D-Protein Structure Prediction*, International Journal of Computer Science and Mobile Computing, Vol.3 Issue.5, ISSN 2320-088X, 2014, 983-993.
310. Hasan, Md Anayet, S. M. Alauddin, Mohammad Al Amin, Suza Mohammad Nur, and Adnan Mannan. *In Silico Molecular Characterization of Cysteine Protease YopT from Yersinia pestis by Homology Modeling and Binding Site Identification*. J. Drug target insights 8, ISSN: 1177-3928, 2014, 1--9.
311. Shin S.Y., Bahri I.D.B.S., *A new approach of routing algorithms in nanonetwork for molecular communication*, Mechatronics Engineering and Computing Technology, Applied Mechanics and Materials Vol 556-562, ISSN:1660-9336, 2014, 3670 – 3673.
312. Waller M.P., Kumbhar S., Yang J., *A density-based adaptive quantum mechanical/molecular mechanical method*, ChemPhysChem, Vol 15(15), ISSN:1439-4235, 2014, 3218 – 3225.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

313. García-Martínez, J. M., et al. *An efficient approach for solving the HP protein folding problem based on UEGO*. Journal of Mathematical Chemistry Vol 52(11), Springer-Verlag, ISSN 0259-9791, DOI 10.1007/s10910-014-0459-1, 2014, 1-13.
314. Liu Qing, *Research on Artificial Fish Swarm Algorithm*, PhD thesis, University of Fukui, Japan. 2014
- 170. Govedarova N., S. Stoyanov, I. Popchev - An ontology based CBR architecture for knowledge management in BULCHINO catalogue, In Proceedings of the 9th International Conference on Computer Systems and Technologies and Workshop for PhD Students in Computing, 2008, (p. 67), ACM.**

**Цитирана от:**

315. Recio-García J. A., P. A. González-Calero, B. Díaz-Agudo - Jcolibri 2: A framework for building Case-based reasoning systems, Science of Computer Programming, 79, ISSN 0167-6423, 2014, 126-145.
316. Recio-García J. A., B. Díaz-Agudo, P. A. González-Calero - The COLIBRI Platform: Tools, Features and Working Examples, In Successful Case-based Reasoning Applications - 2, Springer Berlin Heidelberg, ISBN 978-3-540-34783-5, 2014, 55-85.
317. Martín A., C. León - Intelligent Technique to Accomplish an Effective Knowledge Retrieval from Distributed Repositories, In INTELLI 2014, The Third International Conference on Intelligent Systems and Applications, ISSN 2308-4065, ISBN 978-1-61208-3520, 2014, pp. 97-102.
318. 毕振波, 王慧琴, & 张小红,. 2014, 概念格在古建筑保护本体构建中的应用. 华中建筑, 32 (7), 7-10, 2014.
319. http://www.cqvip.com/qk/96525x/201407/50152382.html
320. Zunaedy B. T. - A Design of Context Awareness Ontology with Recommendation System for Supporting Health Promotion System, National Taiwan University of Science and Technology, Department of Industrial Management, e-Thesys, 2014. [http://pc01.lib.ntust.edu.tw/ETD-db/ETD-search/view\\_etd?URN=etd-0701114-223926](http://pc01.lib.ntust.edu.tw/ETD-db/ETD-search/view_etd?URN=etd-0701114-223926)
- 171. Koprinkova-Hristova, P., Patarinska, T., Neural network software sensors design for lysine fermentation process, Applied Artificial Intelligence: An International Journal, Volume 22, Issue 3, 2008, 235-253; DOI 10.1080/08839510701881458.**

**Цитирана от:**

321. Yang Jianwen, Chen Xiangguang, Jin Huaiping, Wu Lei, *Study on the industrial chlortetracycline fermentor glucose feed rate adjustment method based on soft sensor*, Chinese Journal of Scientific Instrument, Vol.35, No.2, Feb. 2014
- 172. J. Kraus, S. Margenov and J. Synka, On the multilevel preconditioning of CrouzeixRaviart elliptic problems, Numerical Linear Algebra with Applications, 15 (2008), 395-416**

**Цитирана от:**

322. M. Lymbery, *Robust Balanced Semi-coarsening Multilevel Preconditioning of*

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

- Bicubic FEM Systems, Springer LNCS 8352, 2014, 628-635, ISSN 0302-9743
323. B. Li, X. Xie, *BPX preconditioner for nonstandard finite element methods for diffusion problems*, Cornell University Library, arXiv:1410.5332, 2014
173. W. Kuranowski, M. Ganzha, M. Gawinecki, M. Paprzycki, I. Lirkov, S. Margenov, **Forming and managing agent teams acting as resource brokers in the grid-preliminary considerations**, International Journal of Computational Intelligence Research, 4, 2008, 9-16.
- I  
Цитирана от:
324. W. Nemec, M. Balzarova, *How useful are sustainability indicators – Comparative Study between Sustainable Freshwater Fish Farming in South Island of New Zealand and Carinthia in Austria*, 8-ICIT: 21-234/14 at UiTM-Sarawak ST-3: 5-S, 6-σ, QFD & other Quality Tools, 2014, Paper #:03-1K
174. Lemnitzer, L., Kiril Simov, Petya Osenova, Eelco Mossel and Paola Monachesi. **Using a domain-ontology and semantic search in an eLearning environment**. In: Innovative Techniques in Instruction Technology, E-learning, E-assessment, and Education. Springer Netherlands, 2008, 279-284. ISBN 978-1-4020-8738-7.
- Цитирана от:
325. ALTUN, Arif; KAYA, Galip. *Development and Evaluation of an Ontology Based Navigation Tool with Learning Objects for Educational Purposes*. In: The New Development of Technology Enhanced Learning. Springer Berlin Heidelberg, 2014.. 147-162, ISBN: 978-3-642-38290-1 (Print), 978-3-642-38291-8 (Online).
326. MARKUS, F. T. *Where social noise and structure converge: learning with social semantics*. 2014, ISBN: 978-90-393-6033-0.
327. KOPEČEK, Ivan; OŠLEJŠEK, Radek; PLHÁK, Jaromír. *Ontology Based Strategies for Supporting Communication within Social Networks*. In: Text, Speech and Dialogue. Springer International Publishing, 2014. 571-578, ISSN: 0302-9743, e-ISSN: 1611-3349, ISBN: 978-3-319-10 815-5, e-ISBN: 978-3-319-10 816-2, DOI: 10.1007/978-3-319-10 816-2 .
175. Markopoulos E., J.Bilbao, E.Christodoulou, T. Stoilov. T. Vos, Ch. Makatsoris. **Process development and management: towards the maturity of organizations**. International Journal of Computers, issue 4, volume 2, 2008, 361-370.
- Цитирана от:
328. Lamberský V., J. Vejlupek, V. Sova, R. Grepl. *Creating support for fully automatic code generation for Cerebot MX7cK hardware from Simulink environment*. INTERNATIONAL JOURNAL OF CIRCUITS, SYSTEMS AND SIGNAL PROCESSING. Volume 8, 2014. ISSN: 1998-4464, 536-544.
176. Минчев. З. **Компютърно подпомагано разработване на сценарии за отбранително планиране и управление при кризи**, Втора национална конференция под патронажа на министър-председателя на Р. България „Младежта на България, европейската ни идентичност и иновативни

**постижения”, Сборник на Младежко иновационно и информационно общество АБ, Година втора, София, Експопринт ООД, стр. 308-316, 2008, ISSN 1313-5589.**

**Цитирана от:**

329. Любен Боянов, *Съвременното дигитално общество*, ИК Лик, 162 стр., София, 2014, ISBN 954607819-0
177. Monachesi P., Simov K., Mossel E., Osenova P., L. Lemnitzer. What can ontologies do for eLearning? In: Proceedings of The Third International Conferences on interactive Mobile and Computer Aided Learning , IMCL 2008.

**Цитирана от:**

330. MARKUS, F. T. *Where social noise and structure converge: learning with social semantics*. 2014, ISBN: 978-90-393-6033-0.
331. SATHIYAMURTHY, K. *Automatic content extraction from documents for E learning*. 2014.
178. Raleva, K., D. Vasileska, S. Goodnick, and M. Nedjalkov, **Modeling of thermal effects in nanodevices**, IEEE Trans. Electron Devices , vol. 55, no. 6, 1306–1316, Jun. 2008.

**Цитирана от:**

332. M Mohamed, Z Aksamija, W Vitale, *A Conjoined Electron and Thermal Transport Study of Thermal Degradation Induced During Normal Operation of Multigate Transistors*, Electron Devices, 2014, ieeexplore.ieee.org
333. N. Donmezler, S Graham, *A multiscale thermal modeling approach for ballistic and diffusive heat transport in two dimensional domains*, International Journal of Thermal Sciences, 2014, Elsevier
334. T.T. T, Nghiêm, J Saint-Martin, P Dollfus, *New insights into self-heating in double-gate transistors by solving Boltzmann transport equations*, Journal of Applied Physics, 2014. scitation.aip.org
335. M. Moghaddam, J Ghazanfarian, A Abbassi, *Implementation of DPL-DD Model for the Simulation of Nanoscale MOS Devices*, IEEE TRANSACTIONS ON ELECTRON DEVICES, VOL. 61, NO. 9, SEPTEMBER 20, 2014
179. Stoilov T., K. Stoilova, N. Lyutov. **Workflow technology as a tool for automation of business systems**. Proceedings of the Fourth International Bulgarian-Greek Conference “Computer Science’2008”, September 2008, Kavala, Greece, vol.2., ISBN: 978-954-580-255-3, 668-674.

**Цитирана от:**

336. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.

180. Stoilova K., T. Stoilov. Goal and Predictive Coordinationin Two Level Hierarchical Systems. *International Journal of General Systems*, iFirst article, 2008, 1-33. Hard copy vol.37, N2, april 2008, 181-213.

**Цитирана от:**

337. Olga Špačková & Daniel Straub. *Cost-benefit analysis for optimization of risk protection under budget constraints*. J. Risk Analysis, Version August 2014, 1/29-29/29.

181. S. Stoykov, P. Ribeiro, Periodic geometrically nonlinear free vibrations of circular plates. *Journal of Sound and Vibration*, 315 (3), 2008, 536-555, <http://dx.doi.org/10.1016/j.jsv.2008.02.001>

**Цитирана от:**

338. N. Ma, R. Wang, Q. Han, Y. Lu, *Geometrically nonlinear dynamic response of stiffened plates with moving boundary conditions*, Science China: Physics, Mechanics and Astronomy 57, 2014, 1536-1546, <http://dx.doi.org/10.1007/s11433-014-5523-0>.
339. N. Ma, R. Wang, Q. Han, *Primary parametric resonance-primary resonance response of stiffened plates with moving boundary conditions*, Nonlinear Dynamics, 2014, <http://dx.doi.org/10.1007/s11071-014-1806-2>.

182. Тагарев, Т., Валери Рачев, *Отбранителна политика и развитие на Въоръжените сили на Република България 2018* (София: Военно издателство, 2008 г.). 200 стр. ISBN 978-954-509-394-4

**Цитирана от:**

340. Георги Младенов Цветков, *Формиране на отбранителната политика на Република България (1990-2010)*, диссертация, София: ВА "Г.С. Раковски", 2014). - 256 стр.

---- 2009 -----

183. Angelov, M., Kostov, G., Simova, E., Beshkova, D., Koprinkova-Hristova, P., Proto-cooperation factors in yogurt starter cultures, *Revue de génie industriel* 3, 2009, 4-12; ISSN 1313-8871.

**Цитирана от:**

341. Sharma, R., Bhaskar, B., Sanodiya, B. S., Thakur, G. S., Jaiswal, P., Yadav, N., Sharma, A., Bisen, P. S., *Probiotic Efficacy and Potential of Streptococcus thermophilus modulating human health: A synoptic review*, IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS), Volume 9, Issue 3, May -Jun. 2014, pp.52-58; e-ISSN 2278-3008, p-ISSN 2319-7676.
342. Germani, A., Luneia, R., Nigro, F., Vitiello, V., Donini, L.M., del Balzo, V., *The yogurt amino acid profile's variation during the shelf-life*, Ann Ig 2014; 26,205-212; DOI 10.7416/ai.2014.1978.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

343. Aghababaiea, M., Khanahmadib, M., Beheshti, M., *Developing a detailed kinetic model for the production of yogurt starter bacteria in single strain cultures*, Food and Bioproducts Processing, 2014, DOI <http://dx.doi.org/doi:10.1016/j.fbp.2014.09.007>
- 184. Andreev R., V. Terzieva, P. Kademova-Katzarova, An Approach to Development of Personalized E-learning Environment for Dyslexic Pupils' Acquisition of Reading Competence. Proceedings of the International Conference on Computer Systems and Technologies CompSysTech'09, 18-19 June 2009, Ruse, pp. IV.13-1–IV.13-6, ISSN 1313-8936, article No. 83, ACM New York, NY, USA ©2009, ISBN: 978-1-60558-986-2**
- Цитирана от:**
344. R Ismail, A Jaafar, *Important Features in Text Presentation for Children with Dyslexia*. Journal of Theoretical & Applied Information Technology no.63, v. 3, 31 May, 2014, 694-700
- 185. Bankov L., Heelis R., Parrot M., Berthelier J.-J., Marinov P., Vassileva A., WN4 effect on longitudinal distribution of different ion species in the topside ionosphere at low latitudes by means of DEMETER, DMSP-F13 and DMSP-F15 data, Annales Geophysicae Vol 27, 2009, 2893-2902, ISSN 0992-7689**
- Цитирана от:**
345. Fang, H. K., Oyama, K. I., & Cheng, C. Z. *Electrode contamination effects of retarding potential analyzer*. Review of Scientific Instruments, 2014 Jan;85(1):015104.Doi:10.1063/1.4856515. <http://www.ncbi.nlm.nih.gov/pubmed/24517809>
- 186. Blažič S., I. Škrjanc, S. Gerkšić, G. Dolanc, S. Strmčnik, M. Hadjiski, A. Stathaki - Online fuzzy identification for an intelligent controller based on a simple platform, Engineering Applications of Artificial Intelligence, 22 (4), ISSN 0952-1976, 2009, pp. 628-638.**
- Цитирана от:**
346. Núñez A., B. De Schutter, D. Sáez, I. Škrjanc. *Hybrid-fuzzy modeling and identification*, Applied Soft Computing, 17, ISSN 1568-4946, 2014,. 67-78.
347. Zdešar A., D. Dovžan, I. Škrjanc. *Self-tuning of 2 DOF control based on evolving fuzzy model*, Applied Soft Computing, 19, ISSN 1568-4946, 2014, 403-418
348. Blazic S., D. Dovzan, I. Skrjanc. *Cloud-based identification of an evolving system with supervisory mechanisms*, In IEEE International Symposium on Intelligent Control (ISIC), 2014,. 1906-1911.
349. Johanyak Z. C. *Fuzzy Modeling of Thermoplastic Composites' Melt Volume Rate*, Computing and Informatics, 32 (4), ISSN 1335-9150, 2014, pp. 845-857
- 187. Bucur-Marcu, H., Philipp Fluri, and Todor Tagarev *Defence Management: An Introduction*, Geneva: Geneva Centre for the Democratic Control of Armed Forces, 2009. ISBN 978-92-9222-089-1**

**Цитирана от:**

350. Georgi Tzvetkov, Defense Policy and Reforms in Bulgaria since the End of the Cold War: A Critical Analysis, *Connections: The Quarterly Journal* 13:2, Spring 2014, ISSN 1812-1098.
351. Венелин Георгиев, „Алтернативни подходи за управление на гражданските ресурси за отбрана,” в *Планиране на гражданските ресурси за отбрана и развитие на отбранителните способности на страната*, София, Министерство на от branата, 2014), 85-120., ISSN 2367-4709
- 188. Chanев, Atanas, Kiril Simov, Petya Osenova and Svetoslav Marinov. 2009. The BulTreeBank: Parsing and Conversion. In: Nicolov, N., G. Angelova, and R. Mitkov (Eds.). Recent Advances in Natural Language Processing V: Selected papers from RANLP 2007. Vol. 309 in the series вЂњCurrent Issues in Linguistic TheoryвЂќ, John Benjamins Publ. Co., ISSN 0304-0763, Amsterdam, 2009, 321-330.**

**Цитирана от:**

352. KUEBLER, Sandra; ZINSMEISTER, Heike. *Corpus Linguistics and Linguistically Annotated Corpora*. Bloomsbury Publishing, 2014; ISBN: 9781441164476.
- 189. Dimov, D., and L. Laskov: Cyclic Histogram Thresholding and Multithresholding. In: Proceedings of CompSysTech'09, June 18-19, 2009, Rousse, Bulgaria, ISSN-1313-8936, II.5.1-8,**

**Цитирана от:**

353. Lai, Y.-K., P.L. Rosin, *Efficient Circular Thresholding*, IEEE Transactions on Image Processing, Vol. 23 (3), 992-1001, March 2014, DOI: 10.1109/TIP.2013.2297014
- 190. Fidanova S. and Lirkov I., 3D Protein Structure Prediction, J. Analele Universitatii de Vest Timisoara, Seria Matematica-Informatica, Vol 14(2), ISSN 1224-970X, 2009, 33-46.**

**Цитирана от:**

354. Hasan M.A., Alauddin S.M., Amin M.A., Nur S.M., Mannan A., *In silicio molecular characterization of cysteine protease YopT from Yersinia pestis by homology modeling and binding site identification*, J. Drug Target Insights, Vol 2014(8), ISSN 1177-3928, 2014, doi 10.4137/DTI.S13529
- 191. Ganev, K., Syrakov, D., Prodanova, M., Hristov, H., Atanasov, E., Gurov, T., Karaivanova, A., Miloshev, N., Chervenkov, H., Grid Computing for Air Quality and Environmental: Studies in Bulgaria, Proceedings of 23rd EnviroInfo 2009 Conference, Berlin, Environmental Informatics and Industrial Environmental Protection: Concepts, Methods and Tools, Shaker Verlag 2009, 147–155, ISBN: 978-3-8322-8397-1,**

**Цитирана от:**

355. R. Hristova, S. Ivanovska, M. Durdhova, Performance Analysis of the Regional Grid Resources for an Environmental Modeling Application, Large-Scale Scientific Computing, Lecture Notes in Computer Science, 2014, 507-514, ISSN: 0302-9743, ISBN: 978-3-662-43879-4, DOI 10.1007/978-3-662-43880-0\_58

**192. Georgiev, I., J. Kraus, S. Margenov, J. Schicho, Locally optimized MIC(0) preconditioning of Rannacher-Turek FEM systems, Appl. Numer. Math., 59, 2009, 2402-2415**

**Цитирана от:**

356. J. Henon, F. Pennec, A Alzina, J. Absi, D.S. Smith, S. Rossignol, *Analytical and numerical identification of the skeleton thermal conductivity of a geopolymmer foam using a multi-scale analysis*, Computational Materials Science, Vol. 82, 2014, 264–273, ISSN: 0927-0256

**193. Georgiev, K., N Kosturski, S Margenov, J Starý, On adaptive time stepping for large-scale parabolic problems: Computer simulation of heat and mass transfer in vacuum freeze-drying, Journal of Computational and Applied Mathematics 226 (2), 268-274**

**Цитирана от:**

357. G Jannoun, E Hachem, J Veysset, T Coupez, *Anisotropic meshing with time-stepping control for unsteady convection-dominated problems*, Applied Mathematical Modelling, 2014 – Elsevier, doi:10.1016/j.apm.2014.10.005

**194. Georgiev, G., Preslav Nakov, Petya Osenova and Kiril Simov. Cross-lingual Adaptation as a Baseline: Adapting Maximum Entropy Models to Bulgarian. Proceedings of the Workshop on Adaptation of Language Resources and Technology to New Domains, in conjunction with RANLP'09, Borovetz, Bulgaria, September 17, 2009. ISBN 978-954-452-009-0. 2009, 35-38.**

**Цитирана от:**

358. NGUYEN, Dat Quoc, et al. *A Robust Transformation-Based Learning Approach Using Ripple Down Rules for Part-Of-Speech Tagging*. arXiv preprint arXiv:1412.4021, 2014. <http://arxiv.org/pdf/1412.4021v1.pdf>

**195. Guliashki, V., H. Toshev and Ch. Korsemov, Survey of Evolutionary Algorithms Used in Multiobjective Optimization, Problems of Engineering Cybernetics and Robotics, (Ed. Sgurev V.), 2009, Vol. 60, 2009, 42-54, ISSN: 0204-9848.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

359. Shina Panicker and T. V. Vijay Kumar, *Distributed Query Plan Generation Using Multiobjective Genetic Algorithm*, The Scientific World Journal, Vol. 2014, Article ID 628471, 17 pages, 2014. doi:10.1155/2014/628471
360. Oluwole Adekanmbi, Oludayo Olugbara, and Josiah Adeyemo, *An Investigation of Generalized Differential Evolution Metaheuristic for Multiobjective Optimal Crop-Mix Planning Decision*, The Scientific World Journal, Vol. 2014, Article ID 258749, 8 pages, 2014. doi:10.1155/2014/258749,
361. Oliveros, Manuel Moyo. *Calibration of Public Transit Routing for Multi-Agent Simulation*, PhD Thesis in Engineering Sciences, Technical University Berlin, Faculty "Transport and Machine Systems", D 83, Berlin 2014
362. Zhong Y.B., Y. Xiang, H.L. Liu, *A multi-objective artificial bee colony algorithm based on division of the searching space*, Applied Intelligence, Springer, December 2014, Vol. 41, Issue 4, 987-1011. <http://link.springer.com/article/10.1007/s10489-014-0555-8#page-1>
363. Bong CW, XS Yang, *Evolutionary Clustering for Synthetic Aperture Radar Images*, Solving Computationally Expensive Engineering Problems , Springer Proceedings in Mathematics & Statistics, Vol. 97, September 2014, 255-268, [http://link.springer.com/chapter/10.1007/978-3-319-08985-0\\_11#](http://link.springer.com/chapter/10.1007/978-3-319-08985-0_11#)
364. Chaturvedi P., *Multiobjective Evolutionary Algorithms: A Survey*, Journal of Management and Technology, Vol.10, No. 1, Jan.–June, 2014, ISSN: 0975-6280, 83-86. [http://jaipuria.edu.in/jim/files/2014/08/JIMQUEST\\_2014.pdf#page=87](http://jaipuria.edu.in/jim/files/2014/08/JIMQUEST_2014.pdf#page=87)
365. Sedaghat N., E.H. Tabatabaei, M.R. Akbarzadeh T. *A 2-DIMENTIONAL CROSSOVER FOR MULTI-OBJECTIVE EVOLUTIONARY SCHEDULING OF SOFT REAL-TIME TASKS*, Indian Journal of Scientific Research, ISSN: 0976-2876 (Print), ISSN: 2250-0138 (Online), 2014, Vol. 4 (3): 318-334, <http://www.ijsr.in/upload/712186402hamid%20taba.pdf>
- 196. Kabakchiev, C., I. Garvanov, L. Doukovska, V. Kyovtorov, TBD Netted Radar System in Presence of Multi False Alarms, In: Proc. of the 6-th European Radar Conference (EuRAD'09), Art. No. 5307002, 509-512, 2009, Rome, Italy, ISBN: 978-2-87487-014-9,**

**Цитирана в:**

366. Fan, L., *Coarse-to-fine 3D Randomized Hough Transform for dim target detection*, Applied Mechanics and Materials, Vol. 519-520, 1038-1043, 2014, DOI: 10.4028/www.scientific.net/ AMM.519-520.1038, ISBN: 978-303835019-4
- 197. Kraus, J., S. Margenov, Robust Algebraic Multilevel Methods and Algorithms, Radon Series on Computational and Applied Mathematics, 5, de Gruyter, 2009**

**Цитирана от:**

367. J. Willems, Robust multilevel methods for general symmetric positive definite operators, SIAM J. Numerical Analysis, 52(1), 2014, 103–124, DOI:10.1137/120865872
368. M. Lymbery, *Robust Balanced Semi-coarsening Multilevel Preconditioning of Bicubic FEM Systems*, Springer LNCS 8352, 2014, 628-635, ISSN 0302-9743

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

369. U Langer, H Yang, *Numerical Simulation of Fluid-Structure Interaction Problems with Hyperelastic Models: A Monolithic Approach*, arXiv preprint arXiv:1408.3737, 2014
370. J Malek, Z Strakos, *Preconditioning and the conjugate gradient method in the context of solving PDEs*, SIAM Spotlights, ISBN: 978-1-61197-383-9, 2014
371. U Langer, H Yang, *A note on robust preconditioners for monolithic fluid-structure interaction systems of finite element equation*, arXiv preprint arXiv:1412.6845, 2014
372. U. Langer, A. Mantzaflaris, S.E. Moore, I. Toulopoulos, *Multipatch Discontinuous Galerkin Isogeometric Analysis*, RICAM-Report No. 2014-18, 2014
- 198. Kutiev I., Marinov P., Belehaki A., Reinish B., Jakowski N.; Reconstruction of topside density profile by using the topside sounder model profiler and digisonde data. Advances in Space Research, 43(11), 2009, 1683-1687. ISSN: 0273-1177**

**Цитирана от:**

373. Liu, L., Huang, H., Chen, Y., Le, H., Ning, B., Wan, W., & Zhang, H. *Deriving the effective scale height in the topside ionosphere based on ionosonde and satellite in situ observations*. Journal of Geophysical Research: Space Physics. 119(10) 2014, 8472-8482, ISSN: 2169-9402, <http://onlinelibrary.wiley.com/doi/10.1002/2014JA020505/>
- 199. S. Margenov, and N. Kosturski, MIC (0) preconditioning of 3D FEM problems on unstructured grids: Conforming and non-conforming elements, Journal of Computational and Applied Mathematics 226, no. 2, 2009, 288-297.**

**Цитирана от:**

374. J. Henon, F. Pennec, A. Alzina, J. Absi, D. S. Smith, and S. Rossignol, *Analytical and numerical identification of the skeleton thermal conductivity of a geopolymmer foam using a multi-scale analysis*, Computational Materials Science 82, 2014, 264-273.
- 200. Stoilova K., T. Stoilov, G.Spasov. Technological Stack for development of automated info services in business information systems. Journal of the Technical University Sofia, Plovdiv branch, Bulgaria. “Fundamental sciences and applications”, vol.14 (1), 2009,. Proceedings of the Int.Conf. “ Engineering, Technologies and Systems” TECHSYS’2009, ISSN 1310-8271, p 341-346.**

**Цитирана от:**

375. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.
- 201. Tagarev, T. Capabilities-based Planning for Security Sector Transformation, Information & Security: An International Journal 24, 2009, 27-35. ISSN 0861-5160.**
- Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

376. Jing, Zhang; Bin, Zhang; Ze-min, Li; Shuai, Shi, *Research on SoS Capability Gaps analysis method and the supporting software realization*, System of Systems Engineering (SOSE), 9th International Conference on], Glenelg, Australia, 9-13 June 2014, 55-60, IEEE, DOI:10.1109/SYSOSE .2014.6892463

---- 2010 ----

- 202. Атанасова Т. Е-Home - агрегиране на данни за повишаване на енергийна ефективност. Съвместен научен семинар ИИКТ-БАН, ИМИ-БАН, КТП, „Моделиране и управление на информационните процеси”. Сборник трудове, КТП, София, 2010, 69-75, ISSN 1314-2771.**

**Цитирана от:**

377. Tashev, T., V. Monov, R. Tasheva. Load optimization in a grid structure for parallel computer simulations of the throughput of a crossbar switch node. International Workshop “Advanced Control and Optimisation: Step Ahead-ACOSA 2014”, 8-10 May, 2014, 51-56, ISSN 1314-4634

- 203. Атанасова, Т., Т. Н. Савченко, Г.М. Головина, А С. Баканов. Интеллектуальная информационная среда обитания и субъективное восприятие качества жизни. Методы исследования психологических структур и их динамики: Вып. 5: / Под редакцией Т. Н. Савченко, Г.М. Головиной. - М.: Издательство «Институт психологии РАН», 2010. 164-170. (Труды Института психологии РАН), ISBN: 978-5-9270-0195-8**

**Цитирана от:**

378. Ташев, Т., А. Баканов, Р. Ташева. Определение интервала эффективности параметров процедуры вычисления границы пропускной способности пакетного коммутатора. International Journal "Information Technologies & Knowledge", Volume 8, Number 2, 2014. ITHEA®, Sofia, Bulgaria. pp. 188-196. ISSN 1313-0455

- 204. Atanassova, L., Gluhchev, G., Atanassov K. On intuitionistic fuzzy histograms. Notes in Intuitionistic Fuzzy Sets, vol. 16.4, 2010, 32-36, ISSN: 1310-4926**

**Цитирана от:**

379. Bureva, V. *Intuitionistic fuzzy histograms in grid-based clustering*. Notes in Intuitionistic Fuzzy Sets 20.1, 2014, 55-62. ISSN: 1310-4926

- 205. Atanassova V. Design of training tests on generalized nets, Proc. Of the IEEE International Conference on Intelligent Systems, IS'2010, ISBN 978-1-4244-5163-0, 2010, 327-330.**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

380. Tashev T., V. Monov. *Large-scale simulation of non-uniform load traffic in studying the throughput of a crossbar packed switch*, Lecture Notes in Computer Science, vol. 8353 LNCS, ISBN 978-3-662-43879-4, 2014, 644-651.
381. Tashev T., V. Monov. *Computer simulations of a modified MiMa-algorithm for a crossbar packet switch*, Proceedings of the 15th International Conference on Computer Systems and Technologies, ACM, ISBN 978-1-4503-2753-4, 2014, 94-99.
- 206. Atanassov K., D. Dimitrov, V. Atanassova - Algorithms for tokens transfer in the different types of intuitionistic fuzzy generalized nets, Cybernetics and Information Technologies, 10 (4), ISSN (Print) 1311-9702, ISSN (Online) 1314-4081, 2010, 22-35.**

**Цитирана от:**

382. Andonov V., A. Shannonл *Intuitionistic Fuzzy Evaluation of the Behavior of Tokens in Generalized Nets*, In Intelligent Systems'2014, Springer International Publishing, ISBN (Print) 978-3-319-11312-8, ISBN (Online) 978-3-319-11313-5, 2014, 633-644.
- 207. Atanassov, E., A. Karaivanova, T. Gurov, S. Ivanovska, M. Durdova, D. Sl. Dimitrov, Quasi-Monte Carlo Integration on the Grid for Sensitivity Studies, Earth Science Informatics Journal, Volume 3, Issue 4, 2010, 289-296, ISSN: 1865-0473, DOI: [10.1007/s12145-010-0069-9](https://doi.org/10.1007/s12145-010-0069-9),**

**Цитирана от:**

383. Z. Hou, D. H. Bacon, D. W. Engel, G. Lin, Y. Fang, H. Ren, Z. Fang. *Uncertainty analyses of CO<sub>2</sub> plume expansion subsequent to wellbore CO<sub>2</sub> leakage into aquifers*, International Journal of Greenhouse Gas Control, Volume 27, 2014, 69-80, ISSN: 1750-5836, DOI: [10.1016/j.ijggc.2014.05.004](https://doi.org/10.1016/j.ijggc.2014.05.004)
- 208. Bogdanova, V. Image Enhancement Using Retinex Algorithms and Epitomic Representation. Cybernetics, and Information Technologies, Volume 10, No.3, 2010, 10-19, Sofia.**

**Цитирана от:**

384. Sırma Yavuz, M. Fatih Amasyalı, Muhammet Balçılard, Okan Yıldırın, Erkan Uslu, Furkan Çakmak, Nihal Altuntaş,. *YILDIZ Team Description Paper for Virtual Robots*, Competition 2014, Yıldız Technical University Computer Engineering Department, Davutpaşa, İstanbul, 34220, Turkey, [http://fei.edu.br/rcc/2014/TeamDescriptionPapers/RescueSimulation/rsl-virtual/Yildiz\\_TDP\\_2014\\_final.pdf](http://fei.edu.br/rcc/2014/TeamDescriptionPapers/RescueSimulation/rsl-virtual/Yildiz_TDP_2014_final.pdf)
385. Navjot Kaur, Mamta Juneja, *A Novel Approach for Iris Recognition in Unconstrained Environment*, Journal of Emerging Technologies in Web Intelligence, Vol 6, No 2 243-246, May 2014, doi:10.4304/jetwi.6.2.243-246.
386. Urvashi Manikpuri, *Image Decomposition through Wavelet Decomposition*, International Journal of Innovative Research in Computer and Communication Engineering \_An ISO 3297: 2007 Certified Organization), Vol. 2, Issue 9, September 2014

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

387. URVASHI MANIKPURI, YOJANA YADAV. *A SURVEY ON NATURALNESS PRESERVATION OF IMAGES AND PERFORMANCE MEASUREMENTS* Proceedings of 4th IRF International Conference, Pune, 16th March-2014, ISBN: 978-93-82702-66-5
388. Mohd Helmy Abd Wahab, Nasriah Zakaria, Rohaya Latip, and Rosalina Abdul Salam *Image contrast enhancement for outdoor machine vision applications*, In: IEEE International Conference of Soft Computing and Pattern Recognition 2013 (SoCPaR 2013), 15-18 December 2013, Hanoi, Vietnam, UTHM Institutional repository, 21 Oct 2014 <http://eprints.uthm.edu.my/4883/1/paper89.pdf>
389. M. Prabhu, V. Sarumathi and C. Vaishnavi, *Implementing Histogram Equalization and Retinex Algorithms for Image Contrast Enhancement*, Middle-East Journal of Scientific Research 22 (8): 1228-1232, 2014, ISSN 1990-9233, © IDOSI Publications, 2014, DOI: 10.5829/idosi.mejsr.2014.22.08.21448
- 209. Dimov, I.T. , R. Georgieva, S. Ivanovska, Tz. Ostromsky, Z. Zlatev, Studying the Sensitivity of Pollutants' Concentrations Caused by Variations of Chemical Rates, Journal of Computational and Applied Mathematics 235, 2010, 391 - 402. Doi:10.1016/j.cam.2010.05.041.**

**Цитирана от:**

390. Gocheva-Ilieva, Snezhana Georgieva, et al. *Time series analysis and forecasting for air pollution in small urban area: an SARIMA and factor analysis approach*. Stochastic Environmental Research and Risk Assessment 28.4 (2014): 1045-1060.
391. Zhang Ming quality, Wang Xiaoyan, and Liming Tao, *WASP model uncertainty analysis method based global sensitivity analysis*. China Environmental Science 5, 2014, 1336-1346.  
<http://www.cqvip.com/qk/91370x/201405/49593485.html>
- 210. I.T. Dimov, R. Georgieva, Monte Carlo Algorithms for Evaluating Sobol' Sensitivity Indices, Mathematics and Computers in Simulation 81 (3), 2010, 505-513 Doi:10.1016/j.matcom.2009.09.005.**

**Цитирана от:**

392. Samsó, Roger, et al. *Effect of bacteria density and accumulated inert solids on the effluent pollutant concentrations predicted by the constructed wetlands model BIO\_PORE*. Ecological Engineering, 2014.
393. Chen, Xue-ping, Jin-Guan Lin, and Xing-fang Huang. *Further results on orthogonal arrays for the estimation of global sensitivity indices based on alias matrix*. Statistical Methods & Applications, 2014, 1-16.
394. Liukkonen, Matti, Seppo J. Ovaska, and Jorma Kyyrsä. *Sensitivity analysis for the design of an energy management scheme of supercapacitor buffering in a regulated DC bus*. Power Electronics and Applications (EPE'14-ECCE Europe), 2014 16th European Conference on. IEEE, 2014.
395. Perkó, Zoltán, et al. Large scale applicability of a Fully Adaptive Non-Intrusive Spectral Projection technique: Sensitivity and uncertainty analysis of a transient. Annals of Nuclear Energy 71, 2014, 272-292.

- 211. Dimov, I.T., R. Georgieva. Monte Carlo Adaptive Technique for Sensitivity Analysis of a Large-Scale Air Pollution Model. - In Proceedings of LSSC 2009, Springer LNCS 5910, 387-394, 2010, ISBN: 978-3-642-12534-8.**

**Цитирана от:**

396. Wudhikarn, Ratapol, Nopasit Chakpitak, and Gilles Neubert. Use of an Analytic Network Process and Monte Carlo Analysis in New Product Formula Selection Decisions. *Asia-Pacific Journal of Operational Research*, 2014. <http://www.worldscientific.com/doi/abs/10.1142/S0217595915500074>

- 212. Dobrinkova N., Jordanov G., WRF-Fire wildfire modelling in the test area of Harmanli, Bulgaria, Proceeding 6th International conference on Forest Fire Research 2010, Coimbra, Portugal; ISBN: 978-989-20-2157-7, disk paper number: c43, under section Fire Behavior Modelling, pages 10, 2010.**

**Цитирана от:**

397. DiBiase, Anthony. *Simulating seasonal weather influences on wildfire behavior in Glacier National Park, Montana*. Diss. School of the Environment, Duke University, 2014, <http://scholar.google.bg/scholar?oi=bibs&hl=bg&cites=252784791645597579>

- 213. Doukovska L. Constant False Alarm Rate Detectors in Intensive Noise Environment Conditions, Cybernetics and Information Technologies, vol. 10, №3, ISSN 0204-9848, 2010, pp. 31-48.**

**Цитирана от:**

398. Mohamed B. El Mashade. *Performance enhancement of the conventional CFAR processors in ideal and multitarget environments*, Radioelectronics and Communications Systems, July 2014, Volume 57, Issue 7, pp 287-305, 05 Aug 2014.

- 214. Fidanova S, Marinov P., Alba E., ACO for Optimal Sensor Layout, In Proc. of Int. Conf. on Evolutionary Computing, Valencia, Spain, Joaquim Filipe and Janus Kacprzyk eds., SciTePress-Science and Technology Publications portugal, ISBN 978-989-8425-31-7, 2010, 5 – 9.**

**Цитирана от:**

399. Yi. T-H., Wang C.-W., Li H.-N., *Optimal triaxial sensor placement using distributed wolf algorithm*, Journal of Vibration Engineering, Vol 27(5), ISSN: 1004-4523, 2014, 668 – 675.

- 215. Fidanova S. Atanassov K., Generalized Nets as Tools for Modelling of the Ant Colony Optimization Algorithms, Large Scale Scientific Computing, Lecture Notes in Computer Science No 5910, 2010, 326 – 333**

**Цитирана от:**

399. 赵燕燕, and 王焱. 智能 Petri 网研究进展. Information Technologies and Informatization, Vol. 2, ISSN 1672-9528, 2014, 52-56.

**216. Karastoyanov D., Control of Robots and other Mechatronic Systems, Academy Publ. House “Prof. Marin Drinov”, Sofia, 2010, ISBN-10: 987-954-322-415-9**

**Цитирана от:**

400. Kostadinov K., Kotev V., Penchev D., *Force Sensing of Teleoperated Robotized Cell Injection.*, Advances in Robotics, Mechatronics and Circuits, ISBN 978-1-61804-242-2, 160-163, 2014.

401. Stanislav Simeonov, Neli Simeonova., *Graphical Interface for Visually Impaired People Based on Bi-stable Solenoids*, The International Journal of Soft Computing and Software Engineering, ISSN:2251-7545,Cornell University Library, doi:10.7321/jscse, 21 Jan 2014, <http://arxiv.org/abs/1401.5289v1>

**217. Kolchakov K.H An Approach for Performance Improvement of Class of Algorithms for Synthesis of Non-conflict Schedule in the Switch Nodes. Proc. of the 11th Int. Conf. CompSysTech'10, 17-18 June 2010, Sofia, Bulgaria. ACM Press, ICPS vol. 471, 2010, 235-239, ISBN: 978-145030243-2.**

**Цитирана от:**

402. T. Tashev. A. Bakanov, S. Tasheva. *Problems of precise computation of the upper bound of the throughput of a crossbar switch node*. Proc. of International Conference Robotics, Automation and Mechatronics RAM'2014, November 5-7 2014, Sofia, Bulgaria, 26-29. ISSN 1314-4634.

403. Tasho Tashev, Vladimir Monov, Radostina Tasheva. *Load optimization in a grid structure for parallel computer simulations of the throughput of a crossbar switch node*. Proc. of International Workshop “Advanced Control and Optimisation: Step Ahead” ACOSA, May 8-10, 2014, Hotel “Bankya Palace”, Bankya, Bulgaria, 51-56, ISSN 1314-4634.

**218. Kolev, V., K. Tsvetkova, T. Milcho, Singular Value Decomposition of Images From Scanned Photographic Plates, Proc. of the VII Bulgarian-Serbian Astronomical Conference, Chepelare, 187-200, 2010.**

**Цитирана от:**

404. S. Narangale and G. Shinde, *Recent Advances in Audio Video Multimedia Communication Technology*, International Journal of Computer Science and Information Technologies vol.5, no. 6, 7075-7077, 2014

**219. Koprinkova-Hristova, P., Oubbati, M., Palm, G., Adaptive Critic Design with Echo State Network, 2010 IEEE International Conference on Systems Man and Cybernetics (SMC), 10-13 Oct. 2010, Istanbul, Turkey, 1010-1015; ISSN 1062-922X, Print ISBN 978-1-4244-6586-6, DOI 10.1109/ICSMC.2010.5641744.**

**Цитирана от:**

405. Rui Zhuo Song, Wen Dong Xiao, Chang Yin Sun, *A new self-learning optimal control laws for a class of discrete-time nonlinear systems based on ESN architecture*, Science China Information Sciences, June 2014, Volume 57, Issue 6, 1-10; DOI 10.1007/s11432-013-4954-y, Print ISSN 1674-733X, Online ISSN 1869-1919.
406. Schmidt, N.M., Baumgartner, M., Pfeifer, R., *Actor-critic design using echo state networks in a simulated quadruped robot*, 2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014), 14-18 Sept. 2014, Chicago, IL, USA, 2224-2229, DOI 10.1109/IROS.2014.6942862.
407. Dasgupta, S., Wörgötter, F., Manoonpong, P., *Neuromodulatory adaptive combination of correlation-based learning in cerebellum and reward-based learning in basal ganglia for goal-directed behavior control*, Front Neural Circuits. 2014; 8: 126; DOI 10.3389/fncir.2014.00126
- 220. Koprinkova-Hristova, P., Palm, G., Adaptive Critic Design with ESN Critic for Bioprocess Optimization, Artificial Neural Networks – ICANN 2010, Lecture Notes in Computer Science Volume 6353, 2010, 438-447; DOI 10.1007/978-3-642-15822-3\_54, Print ISBN 978-3-642-15821-6, Online ISBN 978-3-642-15822-3.**

**Цитирана от:**

408. Ruano, A. E., Ge, S. S., Guerra, T. M., Lewis, F. L., Principe, J. C., Colnarić, M., *Computational intelligence in control*, Annual Reviews in Control, Volume 38, Issue 2, 2014, 233-242; DOI 10.1016/j.arcontrol.2014.09.006.
- 221. Minchev, Z., Maria Petkova. Information Processes and Threats in Social Networks: A Case Study. In Conjoint Scientific Seminar "Modelling and Control of Information Processes", Organized by College of Telecommunications, Institute of ICT - Bulgarian Academy of Sciences and Institute of Mathematics and Informatics - Bulgarian Academy of Sciences, Sofia, Bulgaria, November, 2010., 85-93, ISSN 1314-2771**

**Цитирана от:**

409. Любен Боянов, *Съвременното дигитално общество*, ИК Лик, 162 стр., София, 2014, ISBN 954607819-0
410. Hamza Ahmed, *Online social networks threats*, International Journal of Scientific & Engineering Research, Volume 5, Issue 11, November 2014, pp. 986-988, ISSN 2229-5518
- 222. Minchev, Z., Velizar Shalamanov. Scenario Generation and Assessment Framework Solution in Support of the Comprehensive Approach, In Proceedings of SAS-081 Symposium on “Analytical Support to Defence Transformation”, RTO-MP-SAS-081, Sofia, Boyana, April 26 – 28, pp. 22-1 – 22-16, 2010, ISBN 978-92-837-0116-3**

**Цитирана от:**

411. Любен Боянов, *Съвременното дигитално общество*, ИК Лик, 162 стр., София, 2014, ISBN 954607819-0
- 223. Mustakerov I., D. Borissova. Wind turbines type and number choice using combinatorial optimization. Renewable Energy. Elsevier Inc., 35(9), 2010, 1887-1894 ISSN: 0960-1481.**

**Цитирана от:**

412. Petković, D. et al. *Adapting project management method and ANFIS strategy for variables selection and analyzing wind turbine wake effect. Natural Hazards*. November 2014, Volume 74, Issue 2, 463-475. Print ISSN 0921-030X, Online ISSN 1573-0840, <http://link.springer.com/article/10.1007%2Fs11069-014-1189-1>
413. Evans, S.C. Zhang, Z. Iyengar, S. Chen, J. Hilton, J. Gregg, P. Eldridge, D. Jonkhof, M. McCulloch, C. Shokoohi-Yekta, M., *Towards wind farm performance optimization through empirical models*. 2014 IEEE Aerospace Conference Proc. 6836203; 1 - 8 March 2014; Big Sky, MT; USA,
414. Zhang, Jie, Weiyang Tong, Achille Messac. *Modeling the Influence of Land-Shape on the Energy Production Potential of a Wind Farm Site*. J. Energy Resour. Technol. 136(1), 011203, Feb 28, 2014, 10 pages, Paper No: JERT-13-1095; doi: 10.1115/1.4026201,
415. Chowdhury, S. , Mehmani, A., Tong, W., Messac, A. *A visually-informed decision-making platform for model-based design of wind farms*. AIAA AVIATION 2014 -15th AIAA/ISSMO Multidisciplinary Analysis and Optimization Conference, 2014, Atlanta, GA; USA; 16- 20 June 2014; Code 107454, <http://arc.aiaa.org/doi/abs/10.2514/6.2014-2727>
416. Iqbal, M. , Azam, M. , Naeem, M. , Khwaja, A.S. , Anpalagan, A. *Optimization classification, algorithms and tools for renewable energy: A review.*, Renewable and Sustainable Energy Reviews, Volume 39, November 2014, ISSN: 1364-0321, 640-654, <http://www.sciencedirect.com/science/article/pii/S1364032114005723>
417. Mulinazzi, Thomas, and Zhongquan Charlie Zheng. *Wind Farm Turbulence Impacts on General Aviation Airports in Kansas*. No. K-TRAN: KU-13-6. Kansas Department of Transportation, 2014, [http://www.copanational.org/files/windfarms\\_kansas.pdf](http://www.copanational.org/files/windfarms_kansas.pdf)
418. Francisco G. Montoya, Francisco Manzano-Agugliaro, Sergio López-Márquez, Quetzalcoatl Hernández-Escobedo, Consolación Gil. *Wind turbine selection for wind farm layout using multi-objective evolutionary algorithms*. Expert Systems with Applications, ISSN: 0957-4174, Vol. 41, Issue 15, 2014, 6585-6595. <http://www.sciencedirect.com/science/article/pii/S095741741400267X>
419. Goran Dobrić, Željko Đurišić. *Double-stage genetic algorithm for wind farm layout optimization on complex terrains*. J. Renewable Sustainable Energy, E-ISSN: 1941-7012, Vol. 6, No 3, 2014, <http://dx.doi.org/10.1063/1.4881684>
420. Shen Lu & Harrison M. Kim. *Wind farm layout design optimization through multi-scenario decomposition with complementarity constraints*. Engineering Optimization, 2014, DOI: 10.1080/0305215X.2013.861457.
421. S.D.O. Turner, D.A. Romero, P.Y. Zhang, C.H. Amon, T.C.Y. Chan. *A new mathematical programming approach to optimize wind farm layouts*. Renewable

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

- Energy. Elsevier Inc., ISSN: 0960-1481, Vol.63, 2014, 674-680.  
<http://www.sciencedirect.com/science/article/pii/S0960148113005545>
422. Serrano González, J., Burgos Payán, M., Santos, J.M.R., González-Longatt, F. *A review and recent developments in the optimal wind-turbine micro-siting problem.* Renewable & Sustainable Energy Reviews. ISSN: 1364-0321, Vol. 30, 2014, 133-144. <http://www.sciencedirect.com/science/article/pii/S1364032113006989>
423. Billionnet A., Marie-Christine Costa, Pierre-Louis Poirion. *Robust optimal sizing of an hybrid energy stand-alone system*, 2014. [http://www.optimization-online.org/DB\\_FILE/2014/03/4291.pdf](http://www.optimization-online.org/DB_FILE/2014/03/4291.pdf)
- 224. Nedjalkov, H. Kosina, and P. Schwaha, Device Modeling in the Wigner Picture, J. Comput. Electron. 9, 218 – 223, 2010.**

**Цитирана от:**

424. Jonasson, I Knezevic, *Coulomb-driven terahertz-frequency intrinsic current oscillations in a double-barrier tunneling structure*, Physical Review B, 2014. APS
- 225. Ostromsky, TZ., I. Dimov, R. Georgieva, Z. Zlatev, Sensitivity Analysis of a Large-scale Air Pollution Model: Numerical Aspects and a Highly Parallel Implementation, In: Large-Scale Scientific Computations, LNCS 5910, Springer, 197-205, 2010, ISSN 0302-9743, ISBN 978-3-12534-8.**

**Цитирана от:**

425. Thiele, Jan C., Winfried Kurth, and Volker Grimm. *Facilitating Parameter Estimation and Sensitivity Analysis of Agent-Based Models: A Cookbook Using NetLogo and R'.* Journal of Artificial Societies and Social Simulation 17.3, 2014. <https://ideas.repec.org/a/jas/jasssj/2013-150-2.html>
- 226. Ouzounov, A., Cepstral Features and Text-Dependent Speaker Identification - A Comparative Study, Cybernetics and Information Technologies (CIT), Vol.10 (1), 1-12, 2010, ISSN: 1311-9702.**

**Цитирана от:**

426. Thakur, A., R. Kumar, A. Bath, and J. Sharma, *Automatic Control of Instruments Using Efficient Speech Recognition Algorithm*, International Journal of Electrical & Electronics Engineering, Vol. 1, Spl. Issue 1, 16-22, March 2014, e-ISSN: 1694-2310, p-ISSN: 1694-2426
- 227. Stoilov T., K. Stoilova. Potential formal models for autonomic computing applications. Proceedings of International Conference Computer Systems and Technologies “CompSysTech 2010”, 17-18 June, Sofia, Bulgaria, ACM ICPS vol. 471, ACM Press, ACM ISBN: 978-1-4503-0243-2, p305—310, 2010**

**Цитирана от:**

427. Christophe Haen. **Phronesis, a diagnosis and recovery tool for system administrators.** Other. Université Blaise Pascal - Clermont-Ferrand II, 2013.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

English. Submitted on 21 Feb 2014

[https://hal.inria.fr/file/index/docid/950700/filename/HAEN\\_2013CLF22387.pdf](https://hal.inria.fr/file/index/docid/950700/filename/HAEN_2013CLF22387.pdf)

- 228. Stoilov T., K. Stoilova, Zl. Ivanova. Application of Investment optimization as Web service. International conference Automatics and Informatics'10, Sofia, Bulgaria, 2010, ISSN 1313-1850, pp. II-407-410.**

**Цитирана от:**

428. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.

- 229. Stoilova K., T.Stoilov, Z.Ivanova. Automation of Information Processes. Proceeding of International Conference on e-Learning and the Knowledge Society-e-Learning'10, 26-27 August, 2010, Riga Technical University, JUMI, Riga, Latvia, ISBN 978-9984-30-181-5, pp.154-159.**

**Цитирана от:**

429. Тричкова Е. *Оптимизация на информационни процеси*. Дисертация за придобиване на образователната и научна степен „доктор”, 2014 г.

- 230. Stoyanov S., I. Ganchev, I. Popchev, M. O'Droma - An Approach for the Development of a Context-Aware and Adaptive eLearning Middleware, In Intelligent Systems: From Theory to Practice, Springer Berlin Heidelberg, ISBN 978-3-540-34783-5, 2010, pp. 519-535.**

**Цитирана от:**

430. Орозова Д. *ЕЛЕКТРОННИ КУРСОВЕ ЧРЕЗ SCORM СТАНДАРТ*, Компютърни науки и комуникации, 3 (3), ISSN 1314-7846, 2014., 37-41.

431. Arif M., M. Illahi, A. Karim, S. Shamshirband, K. A. Alam, S. Farid, V. E. Balas. *An architecture of agent-based multi-layer interactive e-learning and e-testing platform*, Quality & Quantity, ISSN (Print) 0033-5177, ISSN (Online) 1573-7845, 2014, 1-24.

- 231. Stoykov, S., P. Ribeiro, Nonlinear forced vibrations and static deformations of 3D beams with rectangular cross section: The influence of warping, shear deformation and longitudinal displacements, International Journal of Mechanical Sciences 52, 2010, 1505-1521, <http://dx.doi.org/10.1016/j.ijmecsci.2010.06.011>.**

**Цитирана от:**

432. F. Georgiades, J. Latalski, J. Warminski, *Equations of motion of rotating composite beam with a nonconstant rotation speed and an arbitrary preset angle*, Meccanica 49, 2014, 1833-1858, <http://dx.doi.org/10.1007/s11012-014-9926-9>.

433. S. Machado, C. Saravia, F. Dotti, *Non-linear oscillations of a thin-walled composite beam with shear deformation*, Applied Mathematical Modelling 38, 2014, 1523-1533, <http://dx.doi.org/10.1016/j.apm.2013.08.028>.

232. Szirmay-Kalos, L., B. Tóth, M. Magdics, D. Légrády and A. Penzov, *Gamma Photon Transport on the GPU for PET*, LNCS vol. 5910, 2010, 433-440, ISSN 0302-9743, ISBN 978-3-642-12534-8.

**Цитирана от:**

434. Lantos, J., Czifrus, S., Patay, G., Bukki, T, *MCPS - an MCNPX Based Simulation Tool for Modeling the Physical Behavior of PET Systems*, T., IEEE Transaction on Nuclear Science, vol. 61, No. 1, 134-141, 2014, ISSN 0018-9499, DOI: 10.1109/TNS.2013.2294176

233. Tagarev, T., *Building Integrity and Reducing Corruption in Defence: A Compendium of Best Practices*, Geneva: DCAF, 2010.

**Цитирана от:**

435. Timothy G. Hawkins, Wesley S. Randall, Adam V. Coyne, Mohammad H. Baitalmal, Sustainable integrity: How reverse auctions can benefit suppliers In emerging markets, *Supply Chain Management: An International Journal* 19, no. 2, 2014, ISSN: 1359-8546, списанието е индексирано в SCOPUS и има импакт фактор 1.684, [www.emeraldgrouppublishing.com/products/journals/journals.htm?id=scm](http://www.emeraldgrouppublishing.com/products/journals/journals.htm?id=scm)

436. Велизар Шаламанов, Информационни технологии за добро управление в отбраната, сигурността, публичния сектор: Опит и перспективи, *CSDM Views* 27, София декември 2014 г., ISSN 1314-5622

234. Тагарев, Т., Концепция за стратегически отбранителен мениджмънт, *IT4Sec Reports* 46, 2010 ISSN 1314-5614, <http://dx.doi.org/10.11610/it4sec.0046>

437. Georgi Tzvetkov, *Defense Policy and Reforms in Bulgaria since the End of the Cold War: A Critical Analysis*, *Connections: The Quarterly Journal* 13, no. 2, Spring 2014, ISSN 1812-1098.

438. Георги Младенов Цветков, *Формиране на отбранителната политика на Република България (1990-2010)*, дисертация, София: ВА "Г.С. Раковски", 2014., - 256 стр.

235. Tashev T. **Computering simulation of schedule algorithm for high performance packet switch node modelled by the apparatus of generalized nets.** Proceedings of the 11th International Conference CompSysTech'2010, 17-18 June 2010, Sofia, Bulgaria. ACM ICPS, Vol.471, 240-245, 2010, ISBN: 978-145030243-2.

**Цитирана от:**

439. Kolchakov K, Monov V. *Examination of an algorithm for non-conflict schedule with diagonal activation of joint sub matrices in a large scale switching matrix*, Proc. of International Workshop "Advanced Control and Optimisation: Step Ahead" ACOSA, May 8-10. 2014, Bankya , Bulgaria, Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 46-50, ISSN 1314-4634.

440. Kolchakov K, Monov V. *Management Approach by Weight Coefficients of the Traffic in Crossbar Commutator*. Proceedings of the International Conference

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

Automatics and Informatics`14, John Atanasoff Society of Automatics and Informatics, Bulgaria, Sofia 01.10-03.10.2014, I-159 – I-161, Proceedings ISSN 1313-1850.

---- 2011 ----

- 236. Atanassov, E., Gurov, T., Karaivanova, A.: Capabilities of the HPC cluster at ИИКТ-БАН. J. Automatika and Informatika 2, 7–11, 2011, ISSN: 0861–7562 (in Bulgarian)**

**Цитирана от:**

441. R. Hristova, S. Ivanovska, M. Durdchova, *Performance Analysis of the Regional Grid Resources for an Environmental Modeling Application*, Large-Scale Scientific Computing, Lecture Notes in Computer Science, 2014, 507-514, ISSN: 0302-9743, ISBN: 978-3-662-43879-4, DOI 10.1007/978-3-662-43880-0\_58
442. Maja D. Vitorović-Todorović, Catherine Koukoulitsa, Ivan O. Juranić, Ljuba M. Mandić, Branko J. Drakulić, *Structural modifications of 4-aryl-4-oxo-2-aminylbutanamides and their acetyl- and butyrylcholinesterase inhibitory activity*. Investigation of AChE-ligand interactions by docking calculations and molecular dynamics simulations, European Journal of Medicinal Chemistry, Volume 81, 23 June 2014, 158–175, ISSN: 0223-5234, doi:10.1016/j.ejmech.2014.05.
443. Ilija N. Cvjetić, Dušan D. Petrović, Tatjana Ž. Verbić, Ivan O. Juranić, B.J. Drakulić *Human Serum Albumin Binding of 2-[*(Carboxymethyl)sulfanyl*]-4-oxo-4-(4-tert-butylphenyl)butanoic Acid and its Mono-Me Ester*. ADMET & DMPK 2, 126-142, 2014, doi: 10.5599/admet.2.2.28.

- 237. Balabanov, T., Koprinkova-Hristova, P., Doukovska, L., Hadjiski, M., Neural network model of mill-fan system elements vibration for predictive maintenance, 2011 International Symposium on Innovations in Intelligent Systems and Applications (INISTA), 15-18 June 2011, Istanbul, 410-414; Print ISBN 978-1-61284-919-5, DOI 10.1109/INISTA.2011.5946102**

**Цитирана от:**

444. Chien-Chang Hsu, Min-Sheng Chen, *Intelligent maintenance prediction system for LED wafer testing machine*, Journal of Intelligent Manufacturing, January 2014; DOI 10.1007/s10845-013-0866-3, Print ISSN 0956-5515, Online ISSN 1572-8145

- 238. Balaž, A., Prnjat, O., Vudragović, D., Slavnić, V., Liabotis, I., Atanassov, E., Jakimovski, B., Savić, M. Development of Grid e-Infrastructure in South-Eastern Europe, Journal of Grid Computing, 9 (2), 2011, 135-154, ISSN: 1570-7873, doi: 10.1007/s10723-011-9185-0**

**Цитирана от:**

445. Mário David, Gonçalo Borges, Jorge Gomes, João Pina, Isabel Campos Plasencia, Enol Fernández-del-Castillo, Iván Díaz, Carlos Fernandez, Esteban Freire, Álvaro Simón, Kostas Koumantaros, Michel Dreschner, Tiziana Ferrari, Peter Solagna, *Validation of Grid Middleware for the European Grid Infrastructure*, Journal of Grid Computing , September 2014, Volume 12, Issue 3, 543-558, ISSN: 1570-7873, DOI:10.1007/s10723-014-9301-z,

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

446. Park, S., Kim, J.-H., Fox, G.-Effective real-time scheduling algorithm for cyber physical systems society, *Future Generation Computer Systems*, Volume 32, Issue 1, March 2014, 253-259, ISSN: 0167739X DOI: 10.1016/j.future.2013.10.003,
447. K. Shterev, S. Stefanov, *Determination of Zone of Flow Instability in a Gas Flow Past a Square Particle in a Narrow Microchannel*, High-Performance Computing Infrastructure for South East Europe's Research Communities, Modeling and Optimization in Science and Technologies Volume 2, 2014, 43-50, ISSN:2196-7326, ISBN:978-3-319-01519-4, DOI: 10.1007/978-3-319-01520-0\_5
448. Sandor Acs, Miklos Kozlovszky, Peter Kotcauer, *Advanced Vulnerability Assessment Tool for Distributed Systems*, High-Performance Computing Infrastructure for South East Europe's Research Communities , Modeling and Optimization in Science and Technologies Volume 2, 2014, 139-146, ISSN:2196-7326, ISBN:978-3-319-01519-4, DOI: 10.1007/978-3-319-01520-0\_5
449. Igor Stanković, Milan Žeželj, Jelena Smiljanić, Aleksandar Belić, *Modelling of Disaster Spreading Dynamics*, High-Performance Computing Infrastructure for South East Europe's Research Communities , Modeling and Optimization in Science and Technologies Volume 2, 2014, 31-49, ISSN:2196-7326, ISBN:978-3-319-01519-4, DOI: 10.1007/978-3-319-01520-0\_5
450. Igor Ševo, Sreten Lekić, Mihajlo Savić , *Self-Avoiding Hamiltonian Walks Counting in Parallel Processing Mode*, High-Performance Computing Infrastructure for South East Europe's Research Communities , Modeling and Optimization in Science and Technologies Volume 2, 2014, 31-49, ISSN:2196-7326, ISBN:978-3-319-01519-4, DOI: 10.1007/978-3-319-01520-0\_5
451. Dočan, A., Atanak, M.M., Tandočan, S., Altuč, R.O., Şenel, H.G., DGridSim: *A multi-model discrete-event simulator for real-time data grid systems*, Simulation, Volume 90, Issue 11, 11 November 2014, 1209-1230, ISSN: 00375497 DOI: 10.1177/0037549714545415,
452. Cozzini, S., Vaddi, D., Goel, S., De Giorgi, F., Dash, S.K., *Regional Climate Simulations on EU-INDIA Grid Infrastructures: Methodologies and Performance*, Journal of Grid Computing, vol. 12, Issue 2, June 2014, pp. 303-320, ISSN: 15707873, DOI: 10.1007/s10723-013-9286-z,
- 239. Borissova D., I. Mustakerov. Methodology for Design of Web-based Laparoscopy e-Training System. European Journal of Open, Distance and E-Learning – EURODL, ISSN: 1027-5207, <http://www.eurodl.org/?p=current&article=448>, November, 2011.**

**Цитирана от:**

453. Mahsa Pishdar, Fereshteh Farzianpour, Mohammad Reza Seyyed Hashemi Toloun, Fatemeh Hadidi. *Developing a model for acceptance of E- Learning system with interpretive structural modeling approach*. Pensee Journal Vol. 76, No. 2; 2014, 362- 374
- 240. Boshnakov K., V. Petkov, L. Doukovska, D. Borissova, S. Koynov - Approaches for Diagnostic and Predictive Maintenance, SPS in Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments, Proceedings of SPIE (Edited by Ryszard S. Romaniuk), Bellingham, WA, USA, vol. 8008, Article CID Number 80081Z, ISSN 0277-786X, ISBN 9780819472358, doi:10.1117/12.905182, 2011.**

**Цитирана от:**

454. Muniz P., S. Cani, R. Magalhaes. *Influence of Field of View of Thermal Imagers and Angle of View on Temperature*, Measurements by Infrared Thermovision, 1-1, ISSN 1530-437X, 2014.
- 241. Dezert, J., and Tchamova, A., On the behaviour of Dempster's rule of combination. Hal-00577983, version 1 - 18 March 2011, url:<http://hal.archives-ouvertes.fr/hal-00577983/en/>**

**Цитирана от:**

455. Faouzi Sebbak , Farid Benhammadi, Mhamed Mataoui, Sofiane Bouznad, Yacine Amirat; *An Alternative Combination Rule for Evidential Reasoning*, Proc. of the 17th International Conference on Information Fusion, Salamanca, Spain, 2014, ISBN: 978-849012355-3
- 242. Dimov, R. Georgieva, and Tz. Ostromsky. Monte Carlo sensitivity analysis of an Eulerian large-scale air pollution model, Reliability Engineering & System Safety, Volume 107, 2012, 23–28, doi:10.1016/j.ress.2011.06.007.**

**Цитирана от:**

456. Wei, Pengfei, Zhenzhou Lu, and Jingwen Song. *Moment - Independent Sensitivity Analysis Using Copula*. Risk Analysis 34.2, 2014, 210-222.  
<http://onlinelibrary.wiley.com/doi/10.1111/risa.12110/abstract;jsessionid=A913BDA9FF6DA55DD192A3ABC92129DE.f02t02?deniedAccessCustomisedMessage=&userIsAuthenticated=false>
- 243. Dobrinkova N., Jordanov G., Mandel J. „WRF-Fire Applied in Bulgaria“, Numerical Methods and Applications 20-24 August, Borovez, Lecture Notes in Computer Science No 6046, Springer, Germany, ISSN 0302-9743, 2011, 133-140.**

**Цитирана от:**

457. Pagnini, G., and A. Mentrelli. *Modelling wildland fire propagation by tracking random fronts*. Natural Hazards and Earth System Science 14.8, 2014, 2249-2263.  
<http://scholar.google.bg/scholar?oi=bibs&hl=bg&cites=10097296906995928517>
- 244. Fidanova S., Atanassov K., Marinov, Start Strategies of ACO Applied on Subset Problems, Numerical Methods and Applications, Lecture Notes in Computer Science No 6046, Springer, Germany, 2011, 248 - 255.**

**Цитирана от:**

458. Sharvani, C. S. *Development of Swarm Intelligent Systems for MANET: ACO based routing in MANETs for effective communication*. PhD thesis, Avinashiling Deemed University of Women, Department of Computer Science, India, 2014.

- 245. Ganzha, M., K Georgiev, I Lirkov, S Margenov, M Paprzycki, MD Todorov, Highly parallel alternating directions algorithm for time dependent problems, AIP Conference Proceedings-American Institute of Physics 1404 (1), 210 – 217, 2011**

**Цитирана от:**

459. Jeffrey K. Wiens, John M. Stockie, *An efficient parallel immersed boundary algorithm using a pseudo-compressible fluid solver*, Journal of Computational Physics 05/2014; 281:917-941.

- 246. Genova K., V. Guliashki. Linear Integer Programming Methods and Approaches – a Survey, Cybernetics and Information Technologies, ISSN 1311-9702, Vol. 11, No 1, 2011, 3-25**

**Цитирана от:**

460. Russell Impagliazzo, Shachar Lovett, Ramamohan Paturi, Stefan Schneider, *0-1 Integer Linear Programming with a Linear Number of Constraints*, Cornell University Library, 2014, <http://arxiv.org/pdf/1401.5512v2.pdf>

461. Ueno, K. *Exact Algorithms for 0-1 Integer Programs with Linear Equality Constraints*, Cornell University Library, 2014, <http://arxiv.org/abs/1405.6851>

462. Heye, S. B. *Parallelization of a novel frequent itemset hiding algorithm on a CPU-GPU platform*. M.Sc. Thesis, 2014, The Graduate School of Engineering and Sciences of Izmir Institute of Technology. <http://openaccess.iyte.edu.tr:8080/xmlui/bitstream/handle/11147/4190/10021883.pdf?sequence=1&isAllowed=y>

463. Franzin, Albert. *An Integer Programming approach to Bayesian Network Structure Learning*. Master Degree in Computer Engineering, 2013/2014, Università degli Studi di Padova, Dipartimento di Ingegneria dell'Informazione. [http://tesi.cab.unipd.it/45676/1/tesi\\_franzin.pdf](http://tesi.cab.unipd.it/45676/1/tesi_franzin.pdf)

464. Iyer Sridharan, P. *Complexité du décodage des codes stabilisateurs quantiques*. M.Sc. Thesis. UNIVERSITÉ de Sherbrooke, Québec, Canada, 2014, [http://savoirs.usherbrooke.ca/bitstream/handle/11143/5388/Iyer\\_Sridharan\\_Pavithran\\_MSc\\_2014.pdf?sequence=8](http://savoirs.usherbrooke.ca/bitstream/handle/11143/5388/Iyer_Sridharan_Pavithran_MSc_2014.pdf?sequence=8)

465. Harn L., C.-F. Hsu, *Optimized Implementation of General Secret Sharing Scheme*, Journal: International Association for Cryptologic Research, Vol. 2014, <https://www.iacr.org/cryptodb/data/paper.php?pubkey=25326>

466. Tantawy, S. F., *A new procedure for solving Integer Linear Programming problems*, Arabian Journal for Science and Engineering, 2014, Vol. 39, Issue 6, 5265-5269. DOI: [10.1007/s13369-014-1079-6](http://link.springer.com/article/10.1007/s13369-014-1079-6) <http://link.springer.com/article/10.1007/s13369-014-1079-6#>

- 247. Gurov, T., S. Ivanovska, A. Karaivanova, N. Manev, Monte Carlo Methods Using a New Class of Congruential Generators, L.Kocarev (Ed.), ICT Innovations 2011, AISC 150, Springer, 2012, 257-267, ISSN: 1867-5662, DOI: [10.1007/978-3-642-28664-3\\_24](https://doi.org/10.1007/978-3-642-28664-3_24)**

**Цитирана от:**

467. Mitra, A. Kundu, *Cost optimized random sampling in cellular automata for digital forensic investigations*, Studies in Computational Intelligence, Volume 555,

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

Springer International Publishing, 2014, 79-95, ISSN: 1860-949X, DOI: [10.1007/978-3-319-05885-6\\_5](https://doi.org/10.1007/978-3-319-05885-6_5),

- 248. Kolchakov K. An Algorithm Synthesis of Non-Conflict Schedule by Diagonal Connectivity Matrix Activation. Proceedings of the International Conference Automatics and Informatics`11, John Atanasoff Society of Automatics and Informatics, Bulgaria, Sofia 03.10-07.10.2011., B-247 – B251, .Proceedings ISSN 1313-1850, CD ISSN 1313-1869.**

**Цитирана от:**

468. Ташев, Т., Арсений Баканов, Радостина Ташева. *Определение интервала эффективности параметров процедуры вычисления границы пропускной способности пакетного коммутатора*. International Journal "Information Technologies & Knowledge", Volume 8, Number 2, 2014. ITHEA®, Sofia, Bulgaria, 188-196. ISSN : 1313-0455.

- 249. Kolev, V. Compressed sensing of astronomical images: orthogonal wavelets domains, Proceedings of in 12th International Conference on Computer Systems and Technologies (CompSysTech '11), Vienna, Austria, 2011, 608-615, ISBN 978-1-4503-0917-2, DOI 10.1145/2023607.2023633.**

**Цитирана от:**

469. Wang-Ping Zhou, Yang Li, Qing-Shan Liu, Guo-Dong Wang and Yuan Liu, *Fast compression and reconstruction of astronomical images based on compressed sensing*, Research in Astronomy and Astrophysics, vol.14, no.9, 1207-1214, 2014.

470. S. Spektor, *Selected Topics in Asymptotic Geometric Analysis and Approximation Theory*, PhD Thesis, Department of Mathematical and Statistical Sciences, University of Alberta, Canada, Spring, 2014.

- 250. Magdics, M., L. Szirmay-Kalos, B. Tóth, Á. Csendesi and Anton A. Penzov, Scatter Estimation for PET Reconstruction, NMA`10, Borovets, Bulgaria, LNCS vol. 6046, 2011, 77-86, ISSN 0302-9743, ISBN 9783-642-18465-9, DOI: 10.1007/978-3-642-18466-6\_8.**

**Цитирана от:**

471. Yannick Berker, Fabian Kiessling and Volkmar Schulz, *Scattered PET data for attenuation-map reconstruction in PET/MRI*, Medical Physics, vol. 41, No. 10, 2014, ISSN 0094-2405, DOI: 10.1111/1.4894818;

472. Stephen Pistorius and Hongyan Sun, *Systems and methods for improving the quality of images in a pet scan*, US Patent – US20140158890 A1, 2014,

473. <http://www.google.com/patents/US20140158890>

- 251. Mustakerov I., D. Borissova. A conceptual approach for development of educational Web-based e-testing system. Expert Systems with Applications, 38(11), 2011, 14060-14064.**

**Цитирана от:**

474. Arif, M., M. Illahi, A. Karim, S. Shamshirband, K. A. Alam, S. Farid, S. Iqbal, Z. Buang, V. E. Balas. *An architecture of agent-based multi-layer interactive e-learning and e-testing platform*. *Quality & Quantity*, 2014, Print ISSN 0033-5177, DOI 10.1007/s11135-014-0121-9, <http://link.springer.com/article/10.1007/s11135-014-0121-9>
475. Kok, A. *A conceptual design model for CBT development: A NATO case study*. Education and Information Technologies, March 2014, Vol. 19, Issue 1, 193-207, <http://link.springer.com/article/10.1007/s10639-012-9205-0>
476. TAŞCI, T., PARLAK, Z., KİBAR, A., TAŞBAŞI, N., & CEBEKİ, H. İ., *A Novel Agent-Supported Academic Online Examination System*. Educational Technology & Society, 17 (1), 2014, 154–16, [http://www.ifets.info/journals/17\\_1/14.pdf](http://www.ifets.info/journals/17_1/14.pdf) 8.
252. Nedjalkov, M., S. Selberherr, and I. Dimov, "Stochastic Algorithm for Solving the Wigner-Boltzmann Correction Equation", in Seventh International Conference Numerical Methods and Applications NMA'10, ISBN: 978-3-642-18465-9, (Berlin/Heidelberg), vol. 6045, pp. 95-102, Springer-Verlag, 2011.

**Цитирана от:**

477. Jonasson, I Knezevic, *Coulomb-driven terahertz-frequency intrinsic current oscillations in a double-barrier tunneling structure*, Physical Review B, 2014.APS
253. Nedjalkov, D. Querlioz, P. Dollfus, H. Kosina Wigner function approach D. Vasileska, S.M. Goodnick (Eds.), *Nano-Electronic Devices: Semiclassical and Quantum Transport Modeling*, Springer, New York, 2011,

**Цитирана от:**

478. Haiyan Jiang, Tiao Lub, 1, Wei Caic, *A device adaptive inflow boundary condition for Wigner equations of quantum transport*, Journal of Computational Physics Volume 258, 1 February 2014, 773–786
254. Nikolova, I. and G. Angelova. Identifying Relations between Medical Concepts by Parsing UMLS Definitions. In: Andrews, S., S. Polovina, R. Hill and B. Akhgar (Eds.), *Conceptual Structures for Discovering Knowledge*, Proc. of ICCS-2011, the 19th Int. Con. on Conceptual Structures, UK, July 2011, Springer, Lecture Notes in Artificial Intelligence 6828, 2011, pp. 173-186, ISSN 03029743, ISBN 978-364222687-8, DOI: 10.1007/978-3-642-22688-5\_13.

**Цитирана от:**

479. Muhammad Zubair Asghar, Aurangzeb Khan, Fazal Masud Kund, Maria Qasim, Furqan Khan, Rahman Ullah, Irfan Ullah Nawaz. *Medical opinion lexicon: an incremental model for mining health reviews*. International Journal of Academic Research, Part A. 2014; 6(1), 295-302.

- 255.** Oubbati, M., Kächele, M., Koprinkova-Hristova, P., Palm, G., Anticipating Rewards in Continuous Time and Space with Echo State Networks and Actor-Critic Design, 19th European Symposium on Artificial Neural Networks (ESANN), Bruges, Belgium, April 27-29, 2011, 117-122; ISBN 978-287419044-5Source.

**Цитирана от:**

480. Schmidt, N.M., Baumgartner, M., Pfeifer, R., *Actor-critic design using echo state networks in a simulated quadruped robot*, 2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014), 14-18 Sept. 2014, Chicago, IL, USA, 2224-2229, DOI 10.1109/IROS.2014.6942862.

- 256.** Petrov M., S. Ahmed, A. Taneva, Y. Todorov - Fuzzy Model Predictive Control of a MIMO system, Proceedings of the 40-th ANNIVERSARY CONFERENCE OF DEPARTMENT "AUTOMATION", University of Chemical Technology and Metallurgy, Bulgaria, 18 March 2011, ISBN 978-954-465-043-8, 2011, pp. 45–48.

**Цитирана от:**

481. Pregelj A., J. Rehrl , D. Schwingshakl, I. Steiner, M. Horn , I. Škrjanc. *Energy efficient fuzzy model-based multivariable predictive control of a HVAC system*, Journal of Energy and Buildings, Elsevier, DOI 10.1016/j.enbuild.2014.07.04, vol. 82, 2014, 520-533.

- 257.** Popchev I., P. Petkov, M. Konstantinov, V. Angelova - Perturbation bounds for the nonlinear matrix equation  $X + AHX^{-1}A + BHX^{-1}B = I$ , In Proceedings of the 8th international conference on Large-Scale Scientific Computing, ISBN (Print) 978-3-642-29842-4, ISBN (Online) 978-3-642-29843-1, Springer-Verlag, 2011, pp. 155-162.

**Цитирана от:**

482. Huang N., C. Ma. *The Inversion-Free Iterative Methods for Solving the Nonlinear Matrix Equation*, In Abstract and Applied Analysis, Article ID 843785, 7 pages, Hindawi Publishing Corporation, ISSN (Print) 1085-3375, ISSN (Online) 1687-0409, DOI 10.1155/4058, 2014.

- 258.** Popov, P., Y. Vutov, S. Margenov and O. Iliev, Finite Volume Discretization of Equations Describing Nonlinear Diffusion in Li-Ion Batteries, Numerical Methods and Applications, Lecture Notes in Computer Science, Vol. 6046, 2011, 338-346

**Цитирана от:**

483. M. Ohlberger, S. Rave, S. Schmidt, S. Zhang, *A Model Reduction Framework for Efficient Simulation of Li-Ion Batteries*, Cornell University Library, arXiv.org > math > arXiv:1404.0972, 2014
484. O. Lass, *Reduced order modeling and parameter identification for coupled nonlinear PDE systems*, Dissertation, University of Constanța, 2014
485. M. Ohlberger, S. Rave, S. Schmidt, S. Zhang, *A Model Reduction Framework for Efficient Simulation of Li-Ion Batteries*, Cornell University Library, arXiv: 1404.0972, 2014

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

486. S Zhang, O Iliev, S Schmidt, J Zausch, Comparison of two approaches for treatment of the interface conditions in FV discretization of pore scale models for Li-Ion batteries, Springer Proceedings in Mathematics and Statistics, 78, 2014, 731-738, ISBN 978-1-4614-7171-4
- 259.** Sandalski M., A. Stoyanova-Doycheva, I. Popchev, S. Stoyanov - Development of a Refactoring Learning Environment, Cybernetics and Information Technologies (CIT), 11 (2), ISSN (Print) 1311-9702, ISSN (Online) 1314-4081, 2011.

**Цитирана от:**

487. Alshehri S., L. Benedicenti. *Ranking the Refactoring Techniques Based on the Internal Quality Attributes*, International Journal of Software Engineering & Applications, 5 (1), ISSN:0976-2221, 2014.
- 260.** Stoykov, S., P. Ribeiro, Nonlinear free vibrations of beams in space due to internal resonance, Journal of Sound and Vibration 330, 2011, 4574-4595, <http://dx.doi.org/10.1016/j.jsv.2011.04.023>.

**Цитирана от:**

488. W. Zhang, Y. Ge, Flutter Mode Transition of a Double-Main-Span Suspension Bridge in Full Aeroelastic Model Testing, Journal of Bridge Engineering 19, 2014, Article number 06014004, [http://dx.doi.org/10.1061/\(ASCE\)BE.1943-5592.0000625](http://dx.doi.org/10.1061/(ASCE)BE.1943-5592.0000625)
489. S. Shojaalsadati, Torsional Vibration Attenuation in V-Type Locomotive Diesel Engine Crankshaft using Centrifugal Pendulum Absorber, Master thesis, Concordia University, 2014, ID Code: 978651
- 261.** Stoykov, S., P. Ribeiro, Stability of nonlinear periodic steady-state vibrations of 3D beams, Nonlinear Dynamics 66, 2011, 335-353, <http://dx.doi.org/10.1007/s11071-011-0150-z>.

**Цитирана от:**

490. I. Chatjigeorgiou, Second-order nonlinear dynamics of catenary pipelines subjected to bi-chromatic excitations, Applied Mathematical Modelling, 2014, <http://dx.doi.org/doi:10.1016/j.apm.2014.11.010>.
- 262.** Tagarev, T., Phases and Challenges of Security Sector Reform in the experience of Bulgaria, IT4Sec Reports 85 (Sofia, June 2011), ISSN 1314-5614, <http://dx.doi.org/10.11610/it4sec.0085>.

**Цитирана от:**

491. Georgi Tzvetkov, Defense Policy and Reforms in Bulgaria since the End of the Cold War: A Critical Analysis, *Connections: The Quarterly Journal* 13:2, Spring 2014, ISSN 1812-1098.
492. Георги Младенов Цветков, *Формиране на отбранителната политика на Република България (1990-2010)*, дисертация, София: ВА "Г.С. Раковски", 2014. - 256 стр.

263. Tashev T. *Modelling throughput crossbar switch node with nonuniform load traffic*. Proceedings of the International Conference “Distributed Computer and communication networks DCCN 2011”, October 26-28, 2011, Moscow, Russia. R&D Company “Information and Networking technologies”, Moscow, Russia, 96-102, ISBN 978-5-9901871-3-9 (in Russian)

**Цитирана от:**

493. Kolchakov, K., V. Monov. *Hierarchical two layers control commutator for implementation of fully non-conflict schedule*. International Journal Information models & analyses (IJ IMA), 2014, Vol. 3, No. 2. 175 – 181. ISSN 1314 – 6416.

264. Zlatev, Z., I. T. Dimov, I. Faragó, K. Georgiev, Á. Havasi, and Tz. Ostromsky. *Solving Advection Equations by Applying the Crank-Nicolson Scheme Combined with the Richardson Extrapolation*, International Journal of Differential Equations, Volume 2011, 2011, Article ID 520840, 16 p.

**Цитирана от:**

494. Dai, Ruxin. *Richardson Extrapolation-Based High Accuracy High Efficiency Computation for Partial Differential Equations*, 2014, [http://uknowledge.uky.edu/cs\\_etds/20/](http://uknowledge.uky.edu/cs_etds/20/)

265. Zlatev, Z., I. Dimov, I. Farago, K. Georgiev, A. Havasi, Tz. Ostromsky, *Implementation of Richardson Extrapolation in the treatment of one-dimensional advection equations*, Numerical Methods and Applications, LNCS 6046, 2011, 198-206, ISSN 0302-9743.

**Цитирана от:**

495. Behan, Connor. *Simplifying plasma balls and black holes with nonlinear diffusion*. arXiv preprint arXiv:1407.2290, 2014, <http://arxiv.org/abs/1407.2290>

266. Zlatev, Z., I Dimov, I Faragó, K. Georgiev, Á Havasi, Tz. Ostromsky. *Richardson extrapolated numerical methods for treatment of one-dimensional advection equations*. In Proc. 7th Int. Conf. on Numerical Methods and Applications, LNCS 6046, Springer, 2011, 198–206, ISSN 0302-9743.

**Цитирана от:**

496. Behan, C. *Simplifying plasma balls and black holes with nonlinear diffusion*. arXiv preprint, University of British Columbia, Vancouver BC, V6T 1Z1, Canada 2014, arXiv:1407.2290, <http://arxiv.org/pdf/1407.2290v3.pdf>

---- 2012 ----

- 267. Agre G. SINUS – A Semantic Technology Enhanced Environment for Learning in Humanities, Cybernetics and Information Technologies, Vol. 12, № 4, Sofia, 2012, 4-23, ISSN 1311-9702.**

**Цитирана от:**

497. R. Raj Kumar, N.Ch.S.N. Iyengar, Changpeng Ji. *Design and implementation of JXTA-based P2P mobile learning environment*. International Journal of Convergence Computing. Volume 1, Number 2, 2014, 149-166, ISSN 2048-9129, DOI: 10.1504/IJCONVC.2014.063747

- 268. Atanasova T., Mishina A. Multiservice networks in digital houses, Problems of Engineering Cybernetics and Robotics, vol. 65, 2012. 14-21. ISSN: 0204-9848**

**Цитирана от:**

498. T. Tashev, A. Bakanov, S. Tasheva. *Problems of precise computation of the upper bound of the throughput of a crossbar switch node*. Proc. of International Conference Robotics, Automation and Mechatronics RAM'2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 26-29.

- 269. Atanassova V., Fidanova S., Popchev I., Chountas P., Generalized nets, ACO-algorithms and genetic algorithm, In Monte Carlo Methods and Applications, Edited by Sabelfeld, Karl K. / Dimov, Ivan, Chapter 5, ISBN: 9783110293586, De Gruyter, Berlin, Germany, 2012., 39 - 46 .**

**Цитирана от:**

499. Roeva O., *Genetic algorithm and firefly algorithm hybrid schemes for cultivation processes modelling*, Transaction on Computational Collective Intelligence XVII, Kowalczyk R., Fred A., Nguyen N.T., Joaquim F., Kowalczyk R. (eds.) Lecture Notes in Computer Science 8790, ISSN: 03029743, 2014, 196 – 211.

- 270. Atanassov, E., S. Ivanovska, D. Dimitrov, Parallel Implementation of Option Pricing Methods on Multiple GPUs, MIPRO 2012, Proceedings of the 35th International Convention, IEEE, 368-373, ISSN:1847-3946,**

**Цитирана от:**

500. V. M. Morales, P. Horrein, A. Baghdadi, E. Hochapfel, S. Vaton, *Energy-efficient FPGA implementation for binomial option pricing using OpenCL*, Proceedings of DATE, IEEE, 2014, 1-6, ISBN: 978-3-9815370-2-4, DOI: [10.7873/DATE.2014.221](https://doi.org/10.7873/DATE.2014.221)

501. J. O. Omeru, D. Thomas, *A GPU accelerated hybrid lattice-grid algorithm for options pricing*, International Conference on High Performance Computing & Simulation, HPCS 2014, IEEE, 2014, 758-765, DOI: [10.1109/HPCSim.2014.6903765](https://doi.org/10.1109/HPCSim.2014.6903765)

- 271. Borissova, D., I. Mustakerov. An integrated framework of designing a decision support system for engineering predictive maintenance. Int. Journal of Information**

**Technologies & Knowledge, Vol. 6, No 4, 2012, 366-376, ISSN 1310-0513 (printed),  
ISSN 1313-0463 (online),**

**Цитирана от:**

502. Гарванов, И. *Методи и алгоритми за откриване на цели*. Изд. „Авангард Прима”, ISBN 978-619-160-317-6, 2014, 277 стр.
- 272. Mariana Damova, Atanas Kiryakov, Maurice Grinberg, Marc Bergman, Frederik Giasson, Kiril Simov. Creation and Integration of Reference Ontologies for Efficient LOD Management. In the book: Semi-Automatic Ontology Development: Processes and Resources, IGI Global, Hershey PA, USA, Dr. Armando Stellato and Dr. Maria Teresa Pazienza (Eds.) February 2012. ISBN 978-1-4666-0188-82012, 162-201.**

**Цитирана от:**

503. GONANO, Ciro Mattia, et al. Zeri e LODE. *Extracting the Zeri photo archive to linked open data: formalizing the conceptual model*. In: Digital Libraries (JCDL), 2014 IEEE/ACM Joint Conference on. IEEE, 2014. 289-298.
504. ZOTTI, Massimo; LA MANTIA, Claudio. *Open Data from Earth Observation: from Big Data to Linked Open Data, through INSPIRE*. Journal of e-Learning and Knowledge Society, 2014, 10.2, ISSN (online) 1971 – 8829; ISSN (paper) 1826 - 6223.
- 273. Dezert, J.; Pei Wang; Tchamova, A.; On the validity of Dempster-Shafer Theory, 15th International Conference on Information Fusion (FUSION) 2012, 655-660, Singapore, 9-12 July 2012, E-ISBN : 978-0-9824438-4-2 , Print ISBN: 978-1-4673-0417-7**

**Цитирана от:**

505. Jérémie Daniel, Jean-Philippe Lauffenburger, *Fusing navigation and vision information with the Transferable Belief Model: Application to an intelligent speed limit assistant*, Journal of Information Fusion, Volume 18, July 2014, Pages 62-77, ISSN 1566-2535, doi:10.1016/j.inffus.2013.05.013
506. Nuss, D., Thom, M., Danzer, A., & Dietmayer, K. *Fusion of laser and monocular camera data in object grid maps for vehicle environment perception*. 17th International Conference on Information Fusion 2014, 1-8, IEEE, 2014, July, ISBN: 978-849012355-3.
507. Bucci, Donald J., Sayandep Acharya, and Moshe Kam. *Performance of M-ary Soft Fusion Systems Using Simulated Human Responses*. 17th International Conference on Information Fusion, Salamanca; Spain; 7 July 2014 through 10 July 2014, ISBN: 978-849012355-3,
508. Jamrozik, W. *Contextual reliability discounting in welding process diagnostic based on DS<sub>m</sub>T*. Expert Systems., 2014, doi: 10.1111/exsy.12077
509. Ke, Xiaolu, Liyao Ma, and Yong Wang. *When and to what extent should two belief functions be discounted?* Proc. Of 17th International Conference on Information Fusion, Salamanca, Spain, 2014, INSPEC Accession Number: 14650294, ISBN: 978-849012355-3,

274. Efendiev, Y., J. Galvis, R.D. Lazarov, S. Margenov, and J. Ren, Robust two-level domain decomposition preconditioners for high-contrast anisotropic flows in multiscale media, *Comp. Meth. Appl. Math.*, 12 (4) (2012), 415-436

**Цитирана от:**

510. L Grigori, F Nataf, Y. Saad, *Preconditionneurs algébriques bases sur des corrections de rang faible rapport de recherche Inria*, Equipes-Projets ALPINES, Rapport de recherche n° 8557, 2014  
511. L Grigori, F Nataf, Y. Saad, *Robust algebraic Schur complement preconditioners based on low rank corrections*, Archive Ouverte HAL-UPMC, hal-01017448, 2014  
512. H. Xie, X. Xu, *Mass Conservative Domain Decomposition Preconditioners for Multiscale Finite Volume Method*, SIAM Multiscale Model. Simul., 12(4), 2014, 1667–1690, DOI:10.1137/130936555

275. Fidanova S., Marinov P., Alba E., Ant Algorithm for Optimal Sensor Deployment, Computational Intelligence, K. Madani, A.-D. Correia, A. Rosa, J. Filipe (eds.), Studies in Computational Intelligence, Vol. 399, ISSN 1860-949X, 2012, 21 - 29.

**Цитирана от:**

513. Yi, Ting-Hua, Hong-Nan Li, and Xu-Dong Zhang. *Health monitoring sensor placement optimization for Canton Tower using immune monkey algorithm*. Structural Control and Health Monitoring, ISSN: 1545-2263, J.Wiley Pub., IF 1.544, DOI: 10.1002/stc.1664, 2014.  
514. Yi, T. H., Li, H. N., Song, G., & Zhang, X. D., Optimal sensor placement for health monitoring of high-rise structure using adaptive monkey algorithm. Structural Control and Health Monitoring, ISSN: 1545-2255, IF 1.726, Jhon Wiley&Sons, DOI: 10.1002/stc.1708, 2014.  
515. Yi T.-H., Wang C.-W., Li H.-N., *Optimal triaxial sensor placement using distributed wolf algorithm*, Journal of Vibration Engineering Vol 27(5), ISSN: 10044523, SJR 0.386, 2014, 6668 – 675.

276. Georgiev, K., Tz. Ostromsky, Z. Zlatev *New parallel implementation of an air pollution computer model — performance study on an IBM BlueGene/P computer*. Large-Scale Scientific Computing, LNCS 7116, Springer, 2012, 283–290.

**Цитирана от:**

516. Ádám Leelőssy, Ferenc Molnár Jr., Ferenc Izsák, Ágnes Havasi, István Lagzi, Róbert Mészáros, *Dispersion modeling of air pollutants in the atmosphere: a review*. Central European Journal of Geosciences, Springer, September 2014, Volume 6, Issue 3, 257-278. ISSN: 2081-9900., <http://rd.springer.com/article/10.2478/s13533-012-0188-6>  
277. Georgi Georgiev, Valentin Zhikov, Kiril Simov, Petya Osenova, and Preslav Nakov. *Feature-Rich Part-of-speech Tagging for Morphologically Complex*

**Languages: Application to Bulgarian. In: Proceedings of European chapter of the Association for Computational Linguistics (ACL), EACL'2012, Avignon, France, 2012, ISBN 978-1-937284-19-0**

**Цитирана от:**

517. NGUYEN, Dat Quoc, et al. *A Robust Transformation-Based Learning Approach Using Ripple Down Rules for Part-Of-Speech Tagging*, arXiv preprint arXiv:1412.4021, 2014. <http://arxiv.org/pdf/1412.4021v1.pdf>
- 278. Hadjiski M., L. Doukovska, St. Kojnov - Nonlinear Trend Analysis of Mill Fan System Vibrations for Predictive Maintenance and Diagnostics, International Journal of Electronics and Telecommunications (JET), Versita, Warsaw, Poland, ISSN 0867-6747, vol. 58, №4, DOI 10.2478/v10177-012-0048-9, 2012, pp. 351-356.**

**Цитирана от:**

518. Alexandrov A. *Comparative analysis of IEEE 802.15.4 based communication protocols used in wireless intelligent sensor systems*, Proc. of the International Conference „Robotics, Automation and Mechatronics - RAM 2014”, November 5-7, 2014, Sofia, Bulgaria, ISSN 1314-4634, 51-54
- 279. Hernández-Vela, A., N. Zlateva, A. Marinov, M. Reyes, P. Radeva, D. Dimov, and S. Escalera: Graph Cuts Optimization for Multi-Limb Human Segmentation in Depth Maps. IEEE Conference on Computer Vision and Pattern Recognition (CVPR'2012), June 16-21, 2012, Paper ID 1576, 726-732, ISSN:1063-6919, DOI: 10.1109/CVPR.2012.6247742,**

**Цитирана от:**

- a. Cantariño, C. P., *Tri-modal Human Body Segmentation*, Master Thesis in Artificial Intelligence (UPC-URV-UB), Universitat de Barcelona, January 2014,
- b. Czarnuch, S., A. Mihailidis, *Depth image hand tracking from an overhead perspective using partially labeled, unbalanced data: Development and real-world testing*, IEEE Journal of Biomedical and Health Informatics, 9 pages, 2014, ISSN: 2168-2194,
- c. Liang, H., J. Yuan, D. Thalmann, *Parsing the Hand in Depth Images*, IEEE Transactions on Multimedia, Vol. 16 (5), 1241-1253, Aug. 2014, DOI: 10.1109/TMM.2014.2306177,
- d. Song, Y., J. Tang, F. Liu, S. Yan, *Body Surface Context: A New Robust Feature for Action Recognition From Depth Videos*, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 24 (6), 952-964, June 2014, DOI: 10.1109/TCSVT.2014.2302558,
- e. Zhang, J., W.-J. Song, *Body recognition based on depth image*, Applied Mechanics and Materials, Vol. 631-632, 414-417, July 2014, DOI: 10.4028/www.scientific.net/AMM.631-632.414,
- f. Zhou, D., V. Fremont, B. Quost, B. Wang, *On modeling ego-motion uncertainty for moving object detection from a mobile platform*, 25<sup>th</sup> IEEE Intelligent

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

Vehicles Symposium, Proceedings, Art. No. 6856422, 1332-1338, June 2014, DOI: 10.1109/IVS.2014.6856422,

280. Ilchev, S., and V. Ilchev: Modular Data Hiding for Improved Web-Portal Security. In: Rachev, B., A.Smrikarov (Eds.) Proceedings of CompSysTech'12, June 22-23, 2012, Ruse, Bulgaria, also in 2012 - ACM International Conference Proceeding Series, Vol. 630, pp. 187-194, ISBN: 978-1-4503-1193-9, DOI: 10.1145/2383276.2383305,

**Цитирана от:**

525. Lastdrager, E. E., Achieving a consensual definition of phishing based on a systematic review of the literature, Journal of Crime Science, Vol. 3 (1), Article 9, September 3, 2014, DOI: 10.1186/s40163-014-0009-y

281. Lima AL, Prochazkova D, Vazquez DF, Campos E, Kraus F, Ahokas J, Hintsa J, Urciuoli L, Munné R, Mohanty S, Khan T, Tagarev T, Männistö T, Nerlich U, Georgiev V. Foresight security scenarios – mapping research to a comprehensive approach to exogenous EU roles (FOCUS): problem space report: critical infrastructure & supply chain protection. Deliverable 5.1, Cross-border Research Association, January 2012, [www.focusproject.eu/documents/14976/014b8126-d528-4b01-a73a-e56ecce70f74](http://www.focusproject.eu/documents/14976/014b8126-d528-4b01-a73a-e56ecce70f74)

**Цитирана от:**

526. Markus Hesse, Marcus Hornung, Space as a Critical Infrastructure, in *Handbook of Space Security*, New York: Springer, 2014, 187-201. print ISBN 978-1-4614-2028-6, Online ISBN 978-1-4614-2029-3, DOI: 10.1007/978-1-4614-2029-3\_67

282. Minchev, Z. Cyber Threats in Social Networks and Users' Response Dynamics, IT4Sec Reports, No. 105, Institute of ICT, Bulgarian Academy of Sciences, December, 2012, DOI: <http://dx.doi.org/10.11610/it4sec.0105>

**Цитирана от:**

527. Любен Боянов, *Съвременното дигитално общество*, ИК Лик, 162 стр., София, 2014, ISBN 954607819-0

283. Miteva., T., D. Karastoyanov., Full surface tracking by mobile robots., International Conference “Bionics and Prosthetics, Biomechanics, Mechatronics and Robotics” (ICBBM 2012), June 4-8 2012, Varna, Bulgaria, 74-77

**Цитирана от:**

528. Kostadinov K., Kotev V., Penchev D., *Force Sensing of Teleoperated Robotized Cell Injection.*, Advances in Robotics, Mechatronics and Circuits, ISBN 978-1-61804-242-2, 160-163, 2014

**284. Monov, V., B. Sokolov, S. Stoenchev, Grinding in ball mills: Modeling and process control, Cybernetics and Information Technologies, vol. 12, No 2, pp. 51-68, 2012. ISSN 1311-9702.**

**Цитирана от:**

530. Bello Sefiu Adekunle, Adewuyi Benami Omotayo, Adeyemo Raphael Gboyega, Olaniyan Tirimisiyu Abiola, Momoh Itopa Monday, Shogbamu Emmanuel Adebayo. *Design, Fabrication and Testing of Rapid Cooling Casting Machine: Production of Amorphous Alloy Balls*, International Journal of Materials Engineering, 2014, 4(4), 123-128, DOI: 10.5923/j.ijme.20140404.01
531. Klochkov, L., L. Dimitrov, N. Stoimenov, V. Georgieva, D. Karastoyanov. *Analysis of factors affecting the performance and reliability of automatic lines for the production of chocolates - part 1.*, John Atanasoff Celebration Days, International Conference “Robotics, Automation And Mechatronics” RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 63-67.
532. Klochkov, L., L. Dimitrov, N. Stoimenov, V. Georgieva, D. Karastoyanov. *Analysis of factors affecting the performance and reliability of automatic lines for the production of chocolates - part 2.*, John Atanasoff Celebration Days, International Conference “Robotics, Automation And Mechatronics” RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, pp 68-74.
533. Stoimenov, N. *3D Simulation in DEM Software of grinding media in ball mill.*, John Atanasoff Celebration Days, International Conference “Robotics, Automation And Mechatronics” RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 59-62.

**285. Monov, V., B. Sokolov, S. Stoenchev, Grinding in ball mills: Modeling and process control, Cybernetics and Information Technologies, vol. 12, No 2, 51-68, 2012, ISSN 1311-9702.**

**Цитирана от:**

534. Allahverdi, A., Babasafari, Z. *Effectiveness of triethanolamine on grindability and properties of portland cement in laboratory ball and vibrating disk mills*, Ceramics – Silikaty, Volume 58, Issue 2, 2014, 89-94.
535. Tomar, R.S., Chauhan, P.S., Srivastava, V. *A critical review on nanoparticle synthesis: physicochemical v/s biological approach*, World Journal of Pharmaceutical Research, Volume 4, Issue 1, 595-620, 2014. ISSN 2277– 7105

**286. Shindarov M., Fidanova S., Marinov P., Wireless Sensor Positioning Algorithm, In Proc. of IEEE Conf. on Intelligent Systems, Sofia, Bulgaria, September 6-8, 2012, ISBN 978-1-4673-2277-5, 419 - 424.**

**Цитирана от:**

536. Pandremmenou, K., L. P. Kondi, and K. E. Parsopoulos. *A study on visual sensor network cross-layer resource allocation using quality-based criteria and metaheuristic optimization algorithms*. Applied Soft Computing , ISSN: 1568-4946, 2014.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

537. Castillo-Villar, Krystel K. *Metaheuristic Algorithms Applied to Bioenergy Supply Chain Problems: Theory, Review, Challenges, and Future*. Energies 7.11, doi:10.3390/en7117640, ISSN 1996-1073, 2014, 7640-7672. <http://www.mdpi.com/1996-1073/7/11/7640>
- 287. Тагарев, Т., Валери Рачев, Венелин Георгиев, Петя Иванова, Лозан Бизов, Методология за планиране на военновременни отбранителни способности (София: Център по мениджмънт на сигурността и отбраната, ИИКТ, 2012 г.). ISBN 978-954-91700-4-7.**

**Цитирана от:**

538. Георги Цветков, „Изграждане на отбранителни способности при ограничено финансиране – Ролята на гражданските ресурси за отбрана,“ в *Планиране на гражданските ресурси за отбрана и развитие на отбранителните способности на страната*, София: Министерство на отбраната, 2014, 61-84. ISSN 2367-4709
539. Цветелина Йорданова, „Анализ на нормативната и институционална рамка на отбранително-мобилизационната подготовка,“ в *Планиране на гражданските ресурси за отбрана и развитие на отбранителните способности на страната*, София: Министерство на отбраната, 2014, 121-142. ISSN 2367-4709
- 288. Tagarev, Todor, Venelin Georgiev, and Petya Ivanova. “Analytical Support to Critical Infrastructure Protection Policy and Investment Decision-Making,” Information & Security: An International Journal 28, no. 1, 2012, 13-20, ISSN 0861-5160,**

**Цитирана от:**

540. Yoana Ivanova, Policies for the Protection of Critical Infrastructure from Cyber Attacks, IT4Sec Reports 116 (2014). ISSN 1314-5614,
- 289. Tashev T., V. Monov, Modeling of hotspot load traffic for crossbar switch node by means of generalized nets, IEEE Int. Conf. Intelligent Systems – IS'2012, pp.187-191, Sofia, 6-8 September 2012, ISBN 978-1-4673-2276-8.**

**Цитирана от:**

541. Atanasova T., N. Bakanova, Information support for decision making in organization management, *Proc. of International conference Robotics, Automation and Mechatronics RAM'2014*, 5-7 November 2014, Sofia, Bulgaria. Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 72-76. ISSN 1314-4634.
- 290. Tchamova, A.; Dezert, J.; On the behaviour of Dempster's rule of combination and the foundations of Dempster-Shafer Theory, 6th IEEE International Conference “Intelligent Systems” 2012, 108-113, Sofia, Bulgaria, 6-8 Sept. 2012, Print ISBN: 978-1-4673-2276-8 , DOI : 10.1109/IS.2012.6335122**

**Цитирана от:**

542. Sureeyatanapas, P., Yang, J. B., & Bamford, D. *Evaluation of Corporate Sustainability*. Frontiers of Engineering Management, 1(2), 176-194, 2014, DOI: 10.15302/J-FEM-2014025, <http://engineering.cae.cn/fem/EN/abstract/abstract11198.shtml>
543. Agaram, V., *Reliability of Multi-Sensor Fusion for Next Generation Cars and Trucks*, SAE Technical Paper, Vol.1, 2014-01-0718, 2014, doi: 10.4271/2014-01-0718,
- 291. Todorov Y., S. Ahmed, M. Petrov, V. Chitanov - Implementations of a Hammerstein Fuzzy-Neural Model for Predictive Control of a Lyophilization Plant, In Proceedings of the 6-th IEEE Conference on "Intelligent Systems", Vol. II, 6-8 September, 2012, Sofia, Bulgaria, 315-319.**

**Цитирана от:**

544. Shaghaghi D., H.MonirVaghefi, A. Fatehi. *Generalized predictive control of pH neutralization process based on fuzzy inverse model*, In. Proc. of 13th IEEE Iranian Conference on Fuzzy Systems (IFSC), Print ISBN 978-1-4799-1227-8, DOI 10.1109/IFSC.2013.6675651, 1-6, 2014.

---- 2013 ----

- 292. Atanasova T., Integration of Heterogeneous Data and Processes in Digital Home. Proc. Int. Conf. RAM'13, 2013, Bankya, Bulgaria, 20-24, ISSN 1314-4634.**

**Цитирана от:**

545. Ivanov, I., S. Vetova. *Cryptography Protection Of Information Data Change In Telecommunication Nets*, Proceedings of the International Conference Robotics, Automation and Mechatronics RAM 2014, 6-8 November 2014, Bankya, Bulgaria, ISSN 1314-4634, pp. 55-58.
546. Alexandrov, A. *Comparative interoperability analysis of IEEE 802.15.4 based communication protocols used in wireless intelligent sensor systems*, Proc. of International Conference Robotics, Automation and Mechatronics RAM'2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 51-54.

- 293. Borissova D., I. Mustakerov. Concept of intelligent e-maintenance decision making system. Innovations in Intelligent Systems and Applications (INISTA), 2013 IEEE International Symposium. 19-21 June 2013, Albena, Bulgaria. Print ISBN: 978-1-4799-0659-8, DOI: 10.1109/INISTA.2013.6577668**

**Цитирана от:**

547. Гарванов, И. *Методи и алгоритми за откриване на цели*. Изд. „Авангард Прима”, ISBN 978-619-160-317-6, 2014, 277 стр.
- 294. Borissova, D., I. Mustakerov. An algorithm for an optimal staffing problem in open shop environment. World Academy of Science, Engineering and Technology, Issue 76, 2013, 46-50, pISSN 2010-376X, eISSN 2010-3778.**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

**Цитирана от:**

548. Гарванов, И. *Методи и алгоритми за откриване на цели*. Изд. „Авангард Прима”, ISBN 978-619-160-317-6, 2014, 277 стр.
295. Dezert, J., Albena Tchamova, Deqiang Han, Jean-Marc Tacnet ; Why Dempster's fusion rule is not a generalization of Bayes fusion rule, 16th International Conference on Information Fusion (FUSION), Istanbul, 9-12 July 2013, 1127 – 1134, Print ISBN: 978-605-86311-1-3

**Цитирана от:**

549. Golino, G.; Graziano, A.; Farina, A.; Mellano, W. ; Ciaramaglia, F. *Comparison of identity fusion algorithms using estimations of confusion matrices*, 17th International Conference on Information Fusion (FUSION), 2014, Salamanca, Spain, ISBN: 978-849012355-3
296. Dichev, Ch., D. Dicheva, G. Agre, G. Angelova. Current Practices, Trends and Challenges in K-12 Online Learning. *Cybernetics and Information Technologies*, Vol. 13, № 3, Sofia, 2013, 91-110, ISSN 1311-9702.

**Цитирана от:**

550. Ruyter, L. P. "Using the tablet PC for education? *The adoption process of primary schools and children's acceptance*", Master Thesis, University of Twente, 2014, <http://essay.utwente.nl/64610/>
551. Alexander J. A. M. van Deursen, Somaya ben Allouch, Laura P. Ruijter. *Tablet use in primary education: Adoption hurdles and attitude determinants*. Education and Information Technologies, October 2014, Print ISSN 1360-2357, Springer, DOI 10.1007/s10639-014-9363-3.
297. Dimov, T., R. Georgieva, Tz. Ostromsky, Z. Zlatev. Advanced Algorithms for Multidimensional Sensitivity Studies of Large-scale Air Pollution Models based on Sobol Sequences. Special issue of *Computers and Mathematics with Applications* 65 (3), "Efficient Numerical Methods for Scientific Applications". Elsevier, 2013, 338 - 351. ISSN: 0898-1221. Doi: 10.1016/j.camwa.2012.07.005.

**Цитирана от:**

552. Gocheva-Illieva, S., Ivanov, A., Voynikova, D., Boyadzhiev, D. *Time series analysis and forecasting for air pollution in small urban area: an SARIMA and factor analysis approach*. Stochastic Environmental Research and Risk Assessment, Springer, May 2014, Volume 28, Issue 4, pp. 1045-1060. ISSN: 1436-3240.
553. Ling, M., Li, H., Li, Q., Li, M. *Quasi Monte Carlo method for the measurement uncertainty evaluation considering correlation*. Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, Volume 35 (6), 1385-1393, 2014.
298. T. Dimov, R. Georgieva, Tz. Ostromsky, Z. Zlatev. *Sensitivity Studies of Pollutant Concentrations Calculated by UNI-DEM with Respect to the Input Emissions*. Central European Journal of Mathematics, Numerical Methods for Large Scale Scientific

**Computing 11 (8), 2013, 1531 – 1545. ISSN:1895-1074. Doi: 10.2478/s11533-013-0256-2.**

**Цитирана от:**

554. Gocheva-Ilieva, Snezhana Georgieva, et al. *Time series analysis and forecasting for air pollution in small urban area: an SARIMA and factor analysis approach*. Stochastic Environmental Research and Risk Assessment 28.4 (2014): 1045-1060.
555. Lingming Xiang, Li Huimin, Li Qisheng, Liming Hai. *Correlation measurement uncertainty of quasi-Monte Carlo including assessment methods*, Scientific Instrument, 2014, cqvip.com, <http://www.cqvip.com/qk/94550x/201406/50001716.html>
- 299. Fidanova S., Roeva O., Hybrid Bat Algorithm for Parameter Identification of an E. coli Cultivation Process Model, J. of Biotechnology & Biotechnological Equipment Vol 27(6), DIAGNOSIS PRESS LTD, ISSN:1310-2818, 2013, 43323-- 4326.**

**Цитирана от:**

556. Cao Y., Cui Z., Li F., Dai C., Chen W., *Improved low energy adaptive clustering hierarchy protocol based on local centroid bat algorithm*, J. Sensor Letters, Vol 12(9), ISSN 1546-198X, 2014, 1372 – 1377.
- 300. Hristov V., and G. Agre. A Software System for Classification of Archaeological Artefacts Represented by 2D Plans. Cybernetics and Information Technologies 13, no. 2, 2013, 82-96**

**Цитирана от:**

557. Piccoli, Chiara, Prashant Aparajeya, Georgios Th Papadopoulos, John Bintliff, Frederic Fol Leymarie, Philip Bes, Mark van der Enden, Jeroen Poblome, and Petros Daras. *Towards the automatic classification of pottery sherds: two complementary approaches*. In: Across Space and Time. Selected Papers from the 41st Computer Applications and Quantitative Methods in Archaeology Conference. 2014., <http://www.iti.gr/iti/files/document/publications/CAA-preprint.pdf>
- 301. Karastoyanov D., Energy Efficient Control of Linear Micro Drives for Braille Screen., International Conference on Human and Computer Engineering ICHCE 2013, October 14-15 2013, Osaka, Japan, plISSN 2010-376x, elISSN 2010-3778, pp 860-864**

**Цитирана от:**

558. Kostadinov K., Kotev V., Penchev D., *Force Sensing of Teleoperated Robotized Cell Injection.*, Advances in Robotics, Mechatronics and Circuits, ISBN 978-1-61804-242-2, 2014, 160-163
- 302. Karaivanova, A., Atanassov, E., Gurov, T., Monte carlo simulation of ultrafast carrier transport: Scalability studyл 13th Annual International Conference on**

*Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.*

**Computational Science, ICCS 2013; Barcelona; Spain; 5 - 7 June 2013, Procedia Computer Science, 18, 2298-2306, ISSN: 18770509, DOI: 10.1016/j.procs.2013.05.401**

**Цитирана от:**

559. Fedorko, G., Rosová, A., Molnár, V., *The application of computer simulation in solving traffic problems in the urban traffic management in Slovakia*, Theoretical and Empirical Researches in Urban Management , Volume 9, Issue 3, 2014, 5-17, ISSN: 20653913,
- 303. Kolchakov, K., Comparative analysis of class algorithms for non-conflict schedule in switching nodes, in Proceedings of 17th International Conference “Distributed Computer and communication networks DCCN-2013”, October 7-10, 2013, Moscow, Russia. "TECHNOSPHERA", Moscow, Rossia, 172-179, 2013, ISBN 978-5-94836-366-0.**

**Цитирана от:**

560. Tashev, T., V. Monov. *Computer simulations of a modified MiMa-algorithm for a crossbar packet switch*. In Proceedings of the 15th International Conference on Computer Systems and Technologies (CompSysTech '14), Boris Rachev and Angel Smrikarov (Eds.). ACM, New York, NY, USA, pp. 94-99, 2014.
- 304. Koprinkova-Hristova, P., Oubbat, M., Palm, G., Heuristic dynamic programming using echo state network as online trainable adaptive critic, International Journal of Adaptive Control and Signal Processing, Volume 27, Issue 10, 902-914, October 2013; DOI 10.1002/acs.2364**

**Цитирана от:**

561. Bo Ying-Chun, Qiao Jun-Fei, *Heuristic Dynamic Programming Using Echo State Network For Multivariable Tracking Control Of Wastewater Treatment Process*, Asian Journal of Control, Early View, 12 SEP 2014; DOI 10.1002/asjc.994,
562. Schmidt, N.M., Baumgartner, M., Pfeifer, R., *Actor-critic design using echo state networks in a simulated quadruped robot*, 2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014), 14-18 Sept. 2014, Chicago, IL, USA, 2224-2229, DOI 10.1109/IROS.2014.6942862.
- 305. Минчев, З. *Сигурност в дигиталното общество. Технологични перспективи и предизвикателства*. Наука, образование, сигурност. Сборник доклади от юбилейна международна научна конференция "Десет години образование по сигурност в НБУ: състояние и перспективи пред обучението в условия на динамична и труднопредвидима среда". София, Издателство „Планета-3“, стр. 438-444, 2013, ISBN 978-954-535-796-1**

**Цитирана от:**

563. Любен Боянов, *Съвременното дигитално общество*, ИК Лик, 162 стр., София, 2014, ISBN 954607819-0
564. Стоян Баръмов. *Изследване възможностите за повишаване ефективността на обучението в професионално направление „Национална*

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

“сигурност“, Дисертация, НВУ „ВАСИЛ ЛЕВСКИ“, Катедра „Национална и регионална сигурност“, Велико Търново, Ноември, 2014

- 306. Minchev. Z. 2D vs 3D Visualization & Social Networks Entertainment Games. A Human Factor Response Case Study, In Proceedings of 12th International Conference, ICEC 2013, São Paulo, Brazil, October 16-18, 2013 (Editors: Junia C. Anacleto, Esteban W. G. Clua, Flavio S. Correa da Silva, Sidney Fels, Hyun S. Yang), Lecture Notes in Computer Science, Vol. 8215 2013, pp. 107-113, ISBN: 978-3-642-41105-2 (Print) 978-3-642-41106-9 (Online)**

**Цитирана от:**

565. Любен Боянов, *Съвременното дигитално общество*, ИК Лик, 162 стр., София, 2014, ISBN 954607819-0

- 307. Mustakerov I., D. Borissova. A combinatorial optimization ranking algorithm for reasonable decision making. Comptes rendus de l'Academie bulgare des Sciences, 66(1) 2013, 101-110, ISSN 0366-8681 0861-1459**

**Цитирана от:**

566. Гарванов, И. *Методи и алгоритми за откриване на цели*. Изд. „Авангард Прима“, ISBN 978-619-160-317-6, 2014, 277 стр.

- 308. Mustakerov I., D. Borissova. A discrete choice modeling approach to modular systems design. World Academy of Science, Engineering and Technology, Issue 76, 2013, 133-139, pISSN 2010-376X, eISSN 2010-3778,**

**Цитирана от:**

567. Гарванов, И. *Методи и алгоритми за откриване на цели*. Изд. „Авангард Прима“, ISBN 978-619-160-317-6, 2014, 277 стр

- 309. Mustakerov I., D. Borissova. An intelligent approach for optimum maintenance strategy defining. Innovations in Intelligent Systems and Applications (INISTA), 2013 IEEE International Symposium. 19-21 June 2013, Albena, Bulgaria. Print ISBN: 978-1-4799-0659-8**

**Цитирана от:**

568. Segura, R. P., P. R. Barrantes, C. V. Soto. *Criterios de evaluación de caducidad y obsolescencia de procesos, aplicado a la Caja Costarricense de Seguro Social. Ingeniería*, ISSN: 2215-2652; 24 (2), 2014, 93-104, DOI: <http://dx.doi.org/10.15517/ring.v24i2.14609>

569. Гарванов, И. *Методи и алгоритми за откриване на цели*. Изд. „Авангард Прима“, ISBN 978-619-160-317-6, 2014, 277 стр

- 310. Nedjalkov, P. Schwaha, S. Selberherr, J. M. Sellier, D. Vasileska: Wigner Quasi-Particle Attributes - An Asymptotic Perspective, Applied Physics Letters, 2013, 102**

**Цитирана от:**

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

570. Jonasson, I Knezevic, *Coulomb-driven terahertz-frequency intrinsic current oscillations in a double-barrier tunneling structure*, Physical Review B, 2014.APS
311. Nikolova, I., G. Angelova, D. Tcharaktchiev and S. Boytcheva. Medical Archetypes and Information Extraction Templates in Automatic Processing of Clinical Narratives, In Proceedings of ICCS 2013, 10-12 January, Mumbai, India, Conceptual Structures for STEM Research and Education, Springer, Lecture Notes in Computer Science Volume 7735, 2013, 106-120.

**Цитирана от:**

571. Shalini Bhartiya, Deepti Mehrotra. *Challenges and Recommendations to Healthcare Data Exchange in an Interoperable Environment*. Electronic Journal for Health Informatics, ISSN 1446-4381, Vol 8, No 2, 2014, Special Issue on e-Health Informatics and Security, 1-24
312. Penchev, T., D.Karastoyanov, I.Altaparmakov, Experimental Study on “Controlled Impact” Effect in Plastic Deformation Processes, “Advanced Materials Research”, 2013, v.772,

**Цитирана от:**

572. Stanislav Gyoshev., *Study of parameters of controlled impact by impact deformation of elastic materials.*, John Atanasoff Celebration Days, International Conference “Robotics, Automation And Mechatronics” RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 46-50
313. Penchev, T., I.Altaparmakov, Experimental Investigations on “Controlled Impact” Effect, Proceedings of International Conference METAL’13, 15-17.05.2013, Brno, Czech Republic.

**Цитирана от:**

573. Stanislav Gyoshev., *Study of parameters of controlled impact by impact deformation of elastic materials.*, John Atanasoff Celebration Days, International Conference “Robotics, Automation And Mechatronics” RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 46-50
314. Roeva O., Fidanova S., Paprzycki, Influence of the population size on the genetic algoithm performance in case of cultivation process modelling, In Proc. Of FedCSIS, IEEE Xplorer, 2013, 371 – 376.

**Цитирана от:**

574. Gao, F., Curry, E., Intizar, A., Bhiri, S., & Mileo, A. *QoS-aware Complex Event Service Composition and Optimization using Genetic Algorithms*. Technical report, DER I- Digital Enterprise Research Institut, Ireland, 2014.
575. Wawrzynczak, A., M. Jaroszynski, and M. Borysiewicz. *Data-driven Genetic Algorithm in Bayesian estimation of the abrupt atmospheric contamination source*.In Proc. Of FedCSIS, IEEE Xplorer, DOI: 10.15439/2014F272, 2014, 519—527.
576. Krall, J., *Faster Evolutionary Multi-Objective Optimization via GALE, the Geometric Active Learner*, Doctoral dissertation, WEST VIRGINIA UNIVERSITY), 2014.

577. Wang, X., & Miao, Y. (2014). GAEM: *A Hybrid Algorithm Incorporating GA with EM for Planted Edited Motif Finding Problem*. Current Bioinformatics, Vol. 9(5), ISSN 1574-8936, 463-469.
- 315. Schwaha, P., D. Querlioz, P. Dollfus, J. Saint-Martin, M. Nedjalkov, S. Selberherr Decoherence effects in the Wigner function formalism J. Comput. Electron., 12, 2013, 388–396**
- Цитирана от:**
578. J.M Sellier, I Dimov, *A Wigner Monte Carlo approach to density functional theory*, Journal of Computational Physics, 2014, Elsevier
- 316. Sellier, J. M. M, Nedjalkov, I. Dimov, S. Selberherr. Two-dimensional Transient Wigner Particle Model. Proceedings of the 18th International Conference on Simulation of Semiconductor Processes and Devices, 2013, 404 – 407. ISBN: 978-1-4673-5733-3.**
- Цитирана от:**
579. Van de Put, M., et al. *Spectral force approach to solve the time-dependent Wigner-Liouville equation*. Computational Electronics (IWCE), 2014 International Workshop on. IEEE, 2014.
- 317. Shahbazov G., L. Doukovska. Generalized net model of internal financial structural unit's functionality with intuitionistic fuzzy estimations, Proc. of the 17th International Conference on Intuitionistic Fuzzy Sets, Notes on Intuitionistic Fuzzy Sets (NIFS), vol. 19, №3, ISSN 1310-4926, Sofia, 2013, pp. 111-117.**
- Цитирана от:**
580. Tashev T., A. Bakanov, S. Tasheva. *Problems of precise computation of the upper bound of the throughput of a crossbar switch node*, Proc. of the International Conference „Robotics, Automation and Mechatronics - RAM 2014”, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 26-29.
- 318. Shahbazov G., L. Doukovska, K. Atanassov - Generalized Net Model of the Methodology for Analysis of the Creditworthiness and Evaluation of Credit Risk in SMEs Financing, Proc. of the International Symposium on Business Modeling and Software Design – BMSD'13, Noordwijkerhout, The Netherlands, ISBN 978-989-8565-56-3, 2013, pp. 292-297.**
- Цитирана от:**
581. Sotirova E., M. Georgieva, I. Mihaylov. *Assessment of credit risk in SMEs financing using neural networks and intuitionistic fuzzy estimations*. Notes on Intuitionistic Fuzzy Sets, vol. 20, № 4, ISSN 1310-4926, 2014, pp. 47-52.
- 319. Stoykov, S., P. Ribeiro, Vibration analysis of rotating 3D beams by the  $p$ -version finite element method, Finite Elements in Analysis and Design 65, 2013, 76-88,**

**Цитирана от:**

582. F. Georgiades, J. Latalski, J. Warminski, *Equations of motion of rotating composite beam with a nonconstant rotation speed and an arbitrary preset angle*, Meccanica 49, 2014, 833-1858, <http://dx.doi.org/10.1007/s11012-014-9926-9>.
583. A. Velazquez, R. Andrew Swartz, Q. Dai, X. Sun, *Modeling stability of flap-enabled HAWT blades using spinning finite elements*, Proceedings of SPIE - The International Society for Optical Engineering, Volume 9063, 2014, Article number 90631Q, <http://dx.doi.org/10.1117/12.2045135>.
584. J. Warminski, Z. Szmiet, J. Latalski, *Nonlinear dynamics and synchronisation of pendula attached to a rotating hub*, The European Physical Journal Special Topics 223, 2014, 827-847, <http://dx.doi.org/10.1140/epjst/e2014-02143-9>.
585. M. Li, *Analytical study on the dynamic response of a beam with axial force subjected to generalized support excitations*, Journal of Sound and Vibration, 2014, <http://dx.doi.org/10.1016/j.jsv.2014.11.004>.
586. K. Vigneshwaran, R.K. Behera, *Vibration Analysis of a Simply Supported Beam with Multiple Breathing Cracks*, Procedia Engineering 86, 2014, 835-842, <http://dx.doi.org/10.1016/j.proeng.2014.11.10>
- 320. Stoykov, S., P. Ribeiro, Non-linear vibrations of beams with non-symmetrical cross sections, International Journal of Non-Linear Mechanics 55, 2013, 153-169.**

**Цитирана от:**

587. Ed-dinari, H. Mottaqui, B. Braikat, M. Jamal, F. Mohri, N. Damil, *Large torsion analysis of thin-walled open sections beams by the Asymptotic Numerical Method*, Engineering Structures 81, 2014, 240-255,
588. M. Virendra, *Non-linear forced vibration study of axially functionally graded non-uniform beams by using Broyden method*, Master thesis, National Institute of Technology, Rourkela Odisha. 2014, ID Code: 6282, <http://ethesis.nitrkl.ac.in/6282/1/E-85.pdf>.
589. M. Mohandes, A. Ghasemi, *Finite strain analysis of nonlinear vibrations of symmetric laminated composite Timoshenko beams using generalized differential quadrature method*, Journal of Vibration and Control, 2014, <http://dx.doi.org/10.1177/1077546314538301>
- 321. Ташев, Т., Моделирование пропускной способности MiMa-алгоритма для пакетного коммутатора при входящем трафике типа „горячей точки”. Proc. of International Conference “Distributed Computer and communication networks” DCCN’2013, 2013, Moscow, Russia, ”TECHNOSFERA”, Moscow, Rossia, 2013, 257-264, ISBN 978-5-94836-366-0.**

**Цитирана от:**

590. Ivanov, I., S. Vetova., *Cryptography Protection Of Information Data Change In Telecommunication Nets*, Proc. of International Conference Robotics, Automation and Mechatronics RAM’2014, 5-7 November 2014, Sofia, Bulgaria. Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 55-58. ISSN 1314-4634.

**Приложения към Годишен отчет на ИИКТ-БАН, 2014 г.**

591. Kolchakov, K., V. Monov. *Hierarchical two layers control commutator for implementation of fully non-conflict schedule*, International Journal Information models & analyses (IJ IMA), 2014, Vol. 3, No. 2, 175 – 181, ISSN 1314 – 6416.
592. Kolchakov K., V. Monov. *Algorithm for management of the traffic in Crossbar commutator by means of weight coefficients*, Proceedings of the International Conference Robotics, Automation and Mechatronics RAM 2014, 5-7 November 2014, Sofia , Bulgaria. Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 36–40, ISSN 1314-4634.
322. Tashev, T., A. Bakanov, R. Tasheva. Determination of the value of convergence parameter in a procedure of calculating the upper boundary of throughput for packet switch, Proc. of International Conference Robotics, Automation and Mechatronics'13 RAM 2013, 8-10 October 2013, Bankya, Bulgaria, 34-37, ISSN 1314-4634.

**Цитирана от:**

593. Kolchakov K, Monov V., *Algorithm for management of the traffic in Crossbar commutator by means of weight coefficients*, Proceedings of the International Conference Robotics, Automation and Mechatronics RAM 2014, 5-7 November 2014, Sofia , Bulgaria. Prof. Marin Drinov Academic Publishing House, Sofia , Bulgaria, 36 – 40, ISSN1314-4634.
323. Tashev T., Баканова Н., Ташева Р. Исследование верхней границы пропускной способности коммутационного узла при входящем трафике типа “горячей точки”. International Journal "Information Technologies & Knowledge", Vol.7, No. 2, 2013, 182-189, ISSN 1313-0455 (printed), ISSN 1313-048X (online).

**Цитирана от:**

594. Арсений Баканов. *Психологический подход к извлечению знаний в процессе человеко-компьютерного взаимодействия с системой электронного документооборота*. International Journal "Information Technologies & Knowledge", Vol.8, No. 2, 2014, 124-130, ISSN 1313-0455 (printed), ISSN 1313-048X (online).
324. Todorov Y., I. Nacheva, P. Metodieva, M. Doneva, T. Tsvetkov - Soft Computing Applications in Food Technology, Bulgarian Journal of Agricultural Science, Volume 19, Issue 3, ISSN 1310 - 0351, 2013, 503-507.

**Цитирана от:**

595. Sharma A. K., I. K. Sawhney, M. Lal - Intelligent Modeling and Analysis of Moisture Sorption Isotherms in Milk and Pearl Millet-Based Weaning Food “Fortified Nutrimix”, Drying Technology: An International Journal , Volume 32, Issue 6, 2014.
325. Zhikov, Valentin, Georgiev, Georgi, Simov, Kiril, Osenova, Petya. Combining POS Tagging, Dependency Parsing and Coreferential Resolution for Bulgarian. In: Proceedings of the International Conference Recent Advances in Natural Language Processing RANLP 2013. ISSN 1313-8502, 2013, 755-762. <http://www.aclweb.org/anthology/R13-1098>

**Цитирана от:**

596. GRIGOROVA, Diana. *A machine learning approach for identifying zero pronouns in Bulgarian*. In: Proceedings of the 15th International Conference on Computer Systems and Technologies. ACM, 2014. 166-173, ISBN: 978-1-4503-2753-4, DOI: 10.1145/2659532.2659598

---- 2014 ----

326. Alexandrov, A., V. Monov, ZigBee smart sensor system with distributed data processing, Proc. of the 7-th IEEE Conference Intelligent Systems, Warsaw Poland, Vol. 2, 259-268, September 24-28, 2014., In: Advances in Intelligent Systems and Computing, Springer Vol. 323, ISBN 978-3-319-11309-8, DOI: 10.1007/978-3-319-11310-4\_23.

**Цитирана от:**

597. Doukovska, L., S. Koynov. *Possibilities for applications of the model-based predictive control in thermal power plants*, Proceedings of the International Conference Robotics, Automation and Mechatronics RAM 2014, 5-7 November 2014, Sofia, Bulgaria, 5-11, ISSN 1314-4634.

327. Dezert, J., and A. Tchamova. On the Validity of Dempster's Fusion Rule and its Interpretation as a Generalization of Bayesian Fusion Rule. International Journal of Intelligent Systems, Vol.29, Issue 3, 2014, 223-252, DOI: 10.1002/int.21638

**Цитирана от:**

598. Deng, Xinyang, et al. *D-CFPR: D numbers extended consistent fuzzy preference relations*. arXiv preprint arXiv: 1403.5753, 2014. Cornel University Library, <http://arxiv.org/pdf/1403.5753v1.pdf>,

328. Atanassov, E, T. Gurov, A. Karaivanova, S. Ivanovska, M. Durchova, D. Georgiev, D. Dimitrov, Tuning for Scalability on Hybrid HPC Cluster, Mathematics in Industry, Cambridge Scholar Publishing, 2014, 64-77, ISBN: 978-1-4438-6401-5.

**Цитирана от:**

599. J. P. Ferguson, D. Palejev, *P-value calibration for multiple testing problems in genomics*, Statistical Applications in Genetics and Molecular Biology, De Gruyter, Volume 13, Issue 6, 659–673, 2014, Online ISSN: 1544-6115, Print ISSN: 2194-6302, DOI: [10.1515/sagmb-2013-0074](https://doi.org/10.1515/sagmb-2013-0074),

600. K. S. Shterev, *Iterative process acceleration of calculation of unsteady, viscous, compressible, and heat-conductive gas flows*, International Journal for Numerical Methods in Fluids, John Wiley and Sons Ltd, 2014, Print ISSN: 0271-2091, Online ISSN: 1097-0363, DOI: [10.1002/fld.3979](https://doi.org/10.1002/fld.3979)

601. K. Shterev and S. Stefanov, *Strouhal number analysis for a Karman vortex gas flow past a square in a microchannel at low Mach number*, AIP Conf. Proc. 1629, 319q 2014q, <http://dx.doi.org/10.1063/1.4902288>

329. Kolchakov, K., V. Monov. Management approach by weight coefficients of the traffic in crossbar commutator. Proc. Int. Conf. "Automatics and Informatics'2014", I-159-I-162, 2014, Sofia, Bulgaria, ISSN1313-1850.

**Цитирана от:**

602. Ivanov, I., S. Vetova., *Cryptography Protection Of Information Data Change In Telecommunication Nets*, Proceedings of the International Conference Robotics, Automation and Mechatronics RAM 2014, 5-7 November 2014, Sofia, Bulgaria, 55-58, ISSN 1314-4634.

330. Penchev, T., D.Karastoyanov, Experimental Study of Upsetting and Die Forging with Controlled Impact, Proceedings of Int. Conference on Manufacturing Science and Engineering (ICMSE'14), 17-18 April, 2014, Lisbon, Portugal.

**Цитирана от:**

603. Stanislav Gyoshev., *Study of parameters of controlled impact by impact deformation of elastic materials.*, John Atanasoff Celebration Days, International Conference "Robotics, Automation And Mechatronics" RAM 2014, November 5-7 2014, Sofia, Bulgaria, ISSN 1314-4634, 46-50

331. Popchev I., M. Konstantinov, P. Petkov, V. Angelova - Norm-wise, mixed and component-wise condition numbers of matrix equation  $A_0 + \sum_{i=1}^k \sigma_i A_i^* X^{p_i} A_i = 0; \sigma_i = \pm 1$ , International Journal of Computational and Applied mathematics, vol. 13 (1), ISSN 1683-3511, 2014, pp. 18-30.

**Цитирана от:**

604. Safarova Nargiz A., Naila I.Velieva. *Iterative algorithms to the solution of the discrete optimal regulator problem*, Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie, Tome 57 (105), №4, 2014, 427-436.

332. Shahbazov G., L. Doukovska, K. Atanassov - Generalized Net Model of Internal Structural Unit Functionality Focused on SME Financing, In: Modern Developments in Fuzzy Sets, Intuitionistic Fuzzy Sets, Generalized Nets and Related Topics, K. Atanassov, M. Baczyński, J. Drewniak, J. Kacprzyk, M. Krawczak, E. Szmidt, M. Wygralak, S. Zadrożny (Eds.), ISBN 83-894-7554-5, 2014, 83-92.

**Цитирана от:**

605. Sotirova E., M. Georgieva, I. Mihaylov. *Assessment of credit risk in SMEs financing using neural networks and intuitionistic fuzzy estimations*, Notes on Intuitionistic Fuzzy Sets, vol. 20, № 4, ISSN 1310-4926, 2014, 47-52.

333. Tashev, T., V. Monov, R. Tasheva, Load optimization in a grid structure for parallel computer simulations of the throughput of a crossbar switch node, International Workshop "Advanced Control and Optimisation: Step Ahead, ACOSA", May 8-10, 2014, Bankya, Bulgaria, 51-56, ISSN 1314-4634.

**Цитирана от:**

606. Doukovska, L., S. Koynov. *Possibilities for applications of the model-based predictive control in thermal power plants*, Proceedings of the International Conference Robotics, Automation and Mechatronics RAM 2014, 5-7 November 2014, Sofia, Bulgaria, 5-11, ISSN 1314-4634.
334. Temnikova, I.; Baumgartner Jr., W.A.; Hailu, N.D.; Nikolova, I.; McEnery, T.; Kilgarriff, A.; Angelova, G.; Cohen, K.B. **Sublanguage Corpus Analysis Toolkit: a tool for assessing the representativeness and sublanguage characteristics of corpora**. Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC 2014), Reykjavik, Iceland

**Цитирана от:**

607. Reinhard Rapp, *Using Collections of Human Language Intuitions to Measure Corpus Representativeness*, Proceedings of COLING 2014, the 25th International Conference on Computational Linguistics, 2117–2128, Dublin, Ireland, August 23-29 2014
335. Wasielewska, K., M. Ganzha, M. Paprzycki, P. Szmeja, M. Drozdowicz, I. Lirkov, C. Bădică, **Applying Saaty's Multicriterial Decision Making Approach in Grid Resource Management**, *Information Technology and Control*, 43, No 1, 2014, 73-87.

**Цитирана от:**

608. Liao, Y.X., Rocha Loures, E., Canciglieri Jr., O., Panetto, H. *A novel approach for ontological representation of analytic hierarchy process*, 2014, Advanced Materials Research, 988, 675-682. <http://www.scientific.net/AMR.988.675>