

Peer Reviewed Papers without DOI – AComIn project, period 1 (months 1-18)

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1. Popchev I., V. Angelova, Condition numbers and local perturbation bounds for the matrix equation $X + A^H X^s \pm A^H X^t A = Q$. Comptes rendus de l'Academie bulgare des Sciences, 2013, Vol. 66, No 1, ISSN: 1310-1331, pp. 21-28. IF 0,212
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3. Savov S., I. Popchev, Non-iterative improvement of trace bounds for the Lyapunov equation solution. Comptes rendus de l'Academie bulgare des Sciences, 2013, Vol. 66, No 5, ISSN: 1310-1331, pp. 733-738. IF 0,212
4. Vassileva, S., L. Doukovska, and V. Sgurev. AI-Based Diagnostics for Fault Detection and Isolation in Process Equipment Service. Computing and Informatics, Vol. 33, 2014, pp. 1001-1022, ISSN: 1335-9150, Slovakia
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8. Doukovska L., S. Vassileva, Knowledge-based Mill Fan System Technical Condition Prognosis. World Academy of Science, Engineering and Technology Transactions on Systems, Special Issue on Knowledge-based Modeling and Control of Multi-factorial Processes, Print ISSN 1109-2777, E-ISSN 2224-2678, 2013, pp. 398-408. Available online at: <http://www.wseas.org/multimedia/journals/systems/2013/115702-212.pdf>
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12. Mustakerov I., D. Borissova. Investments attractiveness via combinatorial optimization ranking. World Academy of Science, Engineering and Technology, Vol. 82, 2013, pISSN 2010-376X, eISSN 2010-3778, pp. 230-235. Available online at: <http://waset.org/Publications/investments-attractiveness-via-combinatorial-optimization-ranking/17005>

13. Karastoyanov, D., V. Monov, An Intelligent System for Knee and Ankle Rehabilitation, International Journal of Mechanical, Industrial Science and Engineering Vol:7 No:8, 2013, pp. 411-416, . Available online at: <http://waset.org/publications/16248/an-intelligent-system-for-knee-and-ankle-rehabilitation>

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15. Atanassov E., T. Gurov, A. Karaivanova, Message Oriented Framework with Low Overhead for Efficient High-Performance Monte Carlo Simulations, In: Proc. of 36th Int. Convention MIPRO 2013, May 2013, Opatija, Croatia, IEEE, ISSN: 1847-3946, pp. 189-191. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6596245>

16. Stoykov S., S. Margenov, Nonlinear vibrations of rotating 3D tapered beams with arbitrary cross sections, In: M. Papadrakakis, V. Papadopoulos, V. Plevris (Eds.), Proceedings of the 4th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 12 - 14 June 2013, Kos, Greece, Paper id: 1479, 15 pages. Available at <http://eccomasproceedings.org/cs2013/pdf/1479.pdf>

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19. Temnikova, I., N. D. Hailu, G. Angelova, K. B. Cohen. Measuring Closure Properties of Patent Sublanguages. In: Angelova, G., K. Bontcheva, and R. Mitkov (Eds.), Proc. of the Int. Conf. on Recent Advances in Natural Language Processing (RANLP 2013), September 07-13, 2013, Hissar, Bulgaria, published by Incoma Ltd., Shoumen, Bulgaria, ISSN 1313-8502, 2013, pp. 659-666. Available at the ACL Anthology <http://aclweb.org/anthology//R/R13/R13-1086.pdf>

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27. Roeva O., Fidanova S., and M. Paprzycki, Influence of the Population Size on the Genetic Algorithm Performance in Case of Cultivation Process Modelling. In: Proc. of FedCSIS 2013, IEEE Xplorer, ISSN 2300-5963, ISBN 978-1-4673-4471-5, IEEE Catalog Number: CFP1385N-ART, 2013, pp. 371 – 376. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6644027&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6644027

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- 32.** Kandeve M., D. Karastoyanov, B. Ivanova., Friction and Wear of Ni Coatings with Nanosize Particles of SiC. In: Proc. of 5th World Tribology Congress WTC 2013, September 8-13 2013, Torino, Italy, ISBN 978-88-908-185, pp 63-64
- 33.** Kandeve M., B. Ivanova, D. Karastoyanov, Composite Coatings to Improve Durability of the Working Body of the Drill. In: Proc. Of 5th World Tribology Congress WTC 2013, September 8-13 2013, Torino, Italy, ISBN 978-88-908-185, pp 61-62.
- 34.** Sgurev V., S. Drangajov, L. Doukovska, V. Nikov., Innovation Cycles Control Through Markov Decision Processes. In: B. Shishkov (Ed.), Proc. of the International Symposium on Business Modeling and Software Design – BMSD’13, Noordwijkerhout, The Netherlands, ISBN 978-989-8565-56-3, pp. 286-291. Available at <http://www.is-bmsd.org/Documents/ProceedingsOfThirdBMSD.pdf>
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- 37.** Staykov, B., T. Atanasova, V. Monov, L. Doukovska, ERP Systems in Modern Business and Corporate Management, In: B. Shishkov (Ed.), Proc. of the Third International Symposium on Business Modeling and Software Design, 8-10 July, 2013, Noordwijkerhout, The Netherlands, ISBN 978-989-8565-56-3, pp. 281-285. Available at <http://www.is-bmsd.org/Documents/ProceedingsOfThirdBMSD.pdf>
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- 45.** Atanasova, T., Integration of Heterogeneous Data and Processes in Digital Home. In: Proceedings of Workshop "ICT for New Materials and Nanotechnologies" NewNano 2013, October 8-10 2013, Bankya, Bulgaria, Bulgarian Robotic Society Series, Prof. Marin Drinov Academic Publishing House, 2013, 20-24, ISSN 1314-4634.
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1. S. Stoykov, S. Margenov (2014), Nonlinear forced vibration analysis of elastic structures by using parallel solvers for Large-Scale Systems, In: I. Lirkov, S. Margenov, J. Waśniewski (Eds.), Large-Scale Scientific Computing, Lecture Notes in Computer Sciences Vol. 8353, Springer 2014.
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Monograph under print:

1. Savov S. (2014), Solution Bounds for Algebraic Equations in Control Theory. Academic Publishing House "Prof. Marin Drinov", Sofia.