1.4 Списък на научните публикации

1.4.1 Излезли от печат

[1] V. Atanassova, K. Atanassov. Ant Colony Optimization Approach to Tokens' Movement with Generalized Nets. - In: Proceedings of NM&A'10, 20 - 24 август, 2010, Боровец. LNCS 6046, Springer, 2011, 240-247. ISSN: 0302-9743.

[2] I.T. Dimov, R. Georgieva. Monte Carlo Method for Numerical Integration Based on Sobol' Sequences. - In: Proceedings of NM&A'10, 20 - 24 август, 2010, Боровец. LNCS 6046, Springer, 2011, 50-59. ISSN: 0302-9743.

[3] I.T. Dimov, R. Georgieva. Monte Carlo Approaches for Model Sensitivity Studies. - In: BGSIAM proceeding of the 5th Annual Meeting of Bulgarian Section of SIAM. 2011, 17 - 22. ISSN: 1313-3357.

[4] I.T. Dimov, 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 (IF = 1.292, 2010 г.).

[5] S. Fidanova, K. Atanassov, P. Marinov. Start Strategies of ACO Applied on Subset Problems. - In: Proceedings of NM&A'10, 20 - 24 август, 2010, Боровец. LNCS 6046, Springer, 2011, 248-255. ISSN: 0302-9743.

[6] S. Fidanova, K. Atanassov, P. Marinov. Comparison of ACO Behaviour with Various Start Strategies Applied on MKP. - In: Proc. of Int. Conf. of Information Systems and Grid Technologies, Sofia, Bulgaria, SBN 978-954-07-3168-1, 2010, 191-199.

[7] S. Fidanova, K. Atanassov, P. Marinov. ACO with Semi-random Start Applied on MKP. - In: Proc. of Int. Conf. Multiconference on Computer Science and Information Technology, October 18 - 20, 2010, Wisla, Poland, 887-891. ISBN: 978-83-60810-22-4, ISSN: 1896-7094.

[8] S. Fidanova, P. Marinov. Ant Colony Optimization Start Strategies: Two Case Studies. - In: BGSIAM proceeding of the 5th Annual Meeting of Bulgarian Section of SIAM. 2011, 29-35. ISSN: 1313-3357.

[9] S. Fidanova, P. Marinov, E. Alba. ACO for Optimal Sensor Layout. - In: Proc. of Int. Conf on Evolutionary Computing, Valencia, Spain, J. Filipe and J. Kacprzyk eds., SciTePress-Science and Technology Publications, Portugal, 2010, 5-9. ISBN: 978-989-8425-31-7.

[10] S. Fidanova, P. Marinov, K. Atanassov. Sensitivity Analysis of ACO Start Strategies for Subset Problems. - In: Proceedings of NM&A'10, 20 - 24 август, 2010, Боровец. LNCS 6046, Springer, 2011, 256-263. ISSN: 0302-9743.

[11] S. Fidanova, P. Marinov, K. Atanassov. Generalized Net Models of the Process of Ant Colony Optimization with Different Strategies and Intuitionistic Fuzzy Estimations. - In: Proc. Jangjeon Math. Soc. ISSN: 1598-7264, Vol. 13 (1), 2010, 1-12.

[12] S. Fidanova, P. Marinov, K. Atanassov. Adjoint Estimation of Ant Colony Optimization Start Methods. - In: BGSIAM proceeding of the 4th Annual Meeting of Bulgarian Section of SIAM. 2010, 29-33. ISSN: 1313-3357.

[13] M. Magdics, L. Szirmay-Kalos, B. Tóth, Á. Csendesi, A. Penzov. Scatter Estimation for PET Reconstruction. - In: Proceedings of NM&A'10, 20 - 24 август, 2010, Боровец. LNCS 6046, Springer, 2011, 77-86. ISSN: 0302-9743, ISBN: 9783-642-18465-9.

[14] A. Penzov, I. T. Dimov, N. Mitev, G. Sirakova, L. Szirmay-Kalos. Examining the Distribution of Sampling Point Sets on Sphere for Monte Carlo Image Rendering. American Institute of Physics Conference Proceedings, AIP 1281, 2010, 2103-2106. ISSN: 0094-243X, ISBN: 978-0-7354-0834-0.

[15] A. Penzov, I. T. Dimov, G. Sirakova, V. Koylazov. Monte Carlo Estimator for Image Creation with Symmetric Sampling of Phong BRDF Model. American Institute of Physics Conference Proceedings, AIP 1281, 2010, 2095-2098. ISSN: 0094-243X. ISBN: 978-0-7354-0834-0.

[16] A. Penzov, G. Sirakova, V. Koylazov, N. Mitev. New Approximation of Phong BRDF Model for Monte Carlo Image Rendering with Uniform Quadrangle Separation. - In: Proceedings of the International Conference Automatics and Informatics'10, Sofia, Bulgaria, vol. I, 2010, I-237-I-240, ISSN: 1313-1850.

[17] Z. Zlatev, I. Dimov, I. Farago, K. Georgiev, A. Havasi, Tz. Ostromsky. Richardson Extrapolated Numerical Methods for Treatment of One-dimensional Advection Equations. - In: Proceedings of NM&A'10, 20 - 24 август, 2010, Боровец. LNCS 6046, Springer, 2011, 198-206. ISSN: 0302-9743.

1.4.2 Приети за печат

Към копията на всички публикации, приети за печат, са приложени и копия от служебните писма, удостоверяващи приемането им от съответния редактор/издател.

[18] V. Atanassova, S. Fidanova, P. Chountas, K. Atanassov. A Generalized Net with an ACO-algorithm Optimization Component. - In: Proceedings of 8-th International Conference LSSC'11, June 6 - 10, 2011, Sozopol, LNCS, Springer. ISSN: 0302-9743 (accepted).

[19] V. Atanassova, S. Fidanova, I. Popchev, P. Chountas. Generalized nets, ACO-algorithms and Genetic algorithm. J. of Monte Carlo Methods and Applications, Walter de Gruyter GmbH & Co. KG, Berlin, Germany. ISSN: 0929-9629 (accepted).

[20] I.T. Dimov, R. Georgieva, Tz. Ostromsky. Monte Carlo Sensitivity Analysis of an Eulerian Large-scale Air Pollution Model. Reliability Engineering & System Safety, Elsevier. Doi: 10.1016/j.ress.2011.06.007 (IF = 1.897, 2011 г., accepted).

[21] S. Fidanova, K. Atanassov, P. Marinov. Intuitionistic Fuzzy Estimation of the Ant Colony Optimization Starting Points. - In: Proceedings of 8-th International Conference LSSC'11, June 6 - 10, 2011, Sozopol, LNCS, Springer. ISSN: 0302-9743 (accepted).

[22] S. Fidanova, K. Atanassov, P. Marinov. Intuitionistic Fuzzy Estimation of the Ant Colony Optimization Starting Points: Part 2. - In: Proceedings of Int. Conf on Intuitionistic Fuzzy Sets, May 11 - 12, 2011, Burgas, Bulgaria (accepted).

[23] S. Fidanova, P. Marinov. Optimal Wireless Sensor Network Coverage with Ant Colony Optimization. - In: Proc. of Int. Conf. on Swarm Intelligence, Paris, France (accepted).

[24] S. Fidanova, P. Marinov, E. Alba. Wireless Sensor Network Layout. J. of Monte Carlo Methods and Aplications, Walter de Gruyter GmbH & Co. KG, Berlin, Germany. ISSN: 0929-9629 (accepted).

[25] S. Fidanova, M. Shindarov, P. Marinov. Optimal Sensor Layout using Multi-Objective Metaheuristic. - In: Proc. of Int. Conf. of Information Systems and Grid Technologies, 2011, Sofia, Bulgaria (accepted).

[26] Tz. Ostromsky, I. Dimov, R. Georgieva, Z. Zlatev. Air Pollution Modelling, Sensitivity Analysis and Parallel Implementation. International Journal of Environment and Pollution. ISSN: 0957-4352 (IF = 0.626, accepted).

[27] Tz. Ostromsky, I. Dimov, R. Georgieva, Z. Zlatev. Parallel Computation of Sensitivity Analysis Data for the Danish Eulerian Model. - In: Proceedings of 8-th International Conference LSSC'11, June 6 - 10, 2011, Sozopol, LNCS. ISSN: 0302-9743 (accepted).

[28] Tz. Ostromsky, I. Dimov, P. Marinov, R. Georgieva, Z. Zlatev. Advanced Sensitivity Analysis of the Danish Eulerian Model in Parallel and Grid Environment. - In: Proceedings of Third International Conference AMiTaNS'11, June 20 - 25, 2011, Albena, AIP (accepted).

[29] P. Schwaha, M. Nedjalkov, S. Selberherr, I.T. Dimov. Phonon-Induced Decoherence in Electron Evolution. - In: Proceedings of 8th International Conference on LSSC'11, June 6 - 10, 2011, Sozopol, LNCS. ISSN: 0302-9743 (accepted).

[30] P. Schwaha, M. Nedjalkov, S. Selberherr, I.T. Dimov. Monte Carlo Investigations of Electron Decoherence due to Phonons. J. of Monte Carlo Methods and Applications (accepted).