

## Список литературы

- [1] *Abualrub, T.* A Special Class of Additive Cyclic Codes for DNA Computing / T. Abualrub, A. Ghrayeb, X. Zeng // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 284–287.
- [2] *Acan, A.* An External Memory Supported ACO for the Frequency Assignment Problem / A. Acan, A. Gunay // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 365–368.
- [3] Adaptive DO-based Control of Substrate Feeding in High Cell Density Cultures Operated under Oxygen Transfer Limitation / R. Oliveira, A. Cunha, J. Clemente, M. J. T. Carrondo // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 300–303.
- [4] *Affenzeller, M.* Offspring Selection: A New Self-Adaptive Selection Scheme for Genetic Algorithms / M. Affenzeller, S. Wagner // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 218–221.
- [5] *Altincay, H.* An Evidence Theoretic Ensemble Design Technique / H. Altincay // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 66–69.
- [6] ANN Modeling Applied to NOx Reduction with Octane. ANN Future in Personal Vehicles / M. Ronnholm, K. Arve, K. Eranen et al. // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 100–103.
- [7] Ant-based Distributed Optimization for Supply Chain Management / C. A. Silva, J. M. Sousa, T. Runkler, J. M. G. S. da Costa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 357–360.
- [8] Applications of PSO Algorithm and OIF Elman Neural Network to Assessment and Forecasting for Atmospheric Quality / L. M. Wang, X. Shi, G. Chen et al. // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 250–254.
- [9] *Avila, C.* Crack width Prediction of RC Structures by Artificial Neural Networks / C. Avila, Y. Tsuji, Y. Shiraishi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 92–95.
- [10] *Barth, F.* A Meta-Level Architecture for Adaptive Applications / F. Barth, E. Gomi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 329–332.
- [11] *Bauk, S. I.* The Linear Approximation Method to the Modified Hopfield Neural Network Parameters Analysis / S. I. Bauk, S. M. Perovich, A. Lompar // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 29–32.
- [12] *Beliczynski, B.* Certain Comments on Data Preparation for Neural Networks Based Modelling / B. Beliczynski // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 5–8.

- [13] *Bellil, W.* Beta Wavelet Networks for Function Approximation / W. Bellil, C. Amar, A. Alimi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 18–21.
- [14] *Bingul, Z.* Applying Neural Network to Inverse Kinematic Problem for 6R Robot Manipulator with Offset Wrist / Z. Bingul, H. M. Ertunc // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 112–115.
- [15] A Biologically Motivated Classifier that Preserves Implicit Relationship Information in Layered Networks / C. C. Peck, J. Kozloski, G. A. Cecchi, A. R. Rao // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 82–85.
- [16] *Bisler, A.* Emergent Behavior of Interacting Groups of Communicative Agents / A. Bisler // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 316–320.
- [17] *Bontempi, G.* Combining Lazy Learning, Racing and Subsampling for Effective Feature Selection / G. Bontempi, M. Birattari, P. E. Meyer // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 393–396.
- [18] Boosting Kernel Discriminant Analysis with Adaptive Kernel Selection / S. Kita, S. Maekawa, S. Ozawa, S. Abe // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 429–432.
- [19] *Boubacar, H. A.* AUDyC Neural Network Using a New Gaussian Densities Merge Mechanism / H. A. Boubacar, S. Lecoeuche, S. Maouche // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 155–158.
- [20] *Boudjemai, F.* 3D Self Organizing Convex Neural Network Architectures / F. Boudjemai, P. B. Enberg, J. G. Postaire // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 164–167.
- [21] *Boudour, M.* The Growing Hierarchical Self-Organizing Feature Maps And Genetic Algorithms for Large Scale Power System security / M. Boudour, A. Hellal // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 159–163.
- [22] *Boumehraz, M.* A Switching Controller for Nonlinear Systems via Fuzzy Models / M. Boumehraz, K. Benmahammed // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 120–123.
- [23] *Braught, G. W.* Evolving Evolvability: Evolving Both Representations and Operators / G. W. Braught // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 185–188.
- [24] *Camolesi, A. R.* Modeling a Tool for the Generation of Programming Environments for Adaptive Formalisms / A. R. Camolesi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 337–340.

- [25] *Cao, W.* The Research of Speaker-Independent Continuous Mandarin Chinese Digits Speech-Recognition Based on the Dynamic Search Method of High-Dimension Space Vertex Cover / W. Cao, X. Pan, S. Wang // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 490–493.
- [26] *Cao, W.* An Algorithm For Face Pose Adjustment Based On Eye Location / W. Cao, C. Xu, S. Wang // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 474–477.
- [27] *Ciglaric, M.* Datamining in Grid Environment / M. Ciglaric, B. S. M. Pancur, A. Dobnikar // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 522–525.
- [28] A Comparison of three Genetic Algorithms for Locking-cache Contents Selection in Real-Time Systems / E. Tamura, J. V. Busquets-Mataix, J. J. S. Martin, A. M. Campoy // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 462–465.
- [29] *Cruz, P.* Speeding up Backpropagation with Multiplicative Batch Update Step / P. Cruz // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 22–24.
- [30] *Curran, D.* Evolving Blackjack Strategies Using Cultural Learning / D. Curran, C. O’Riordan // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 210–213.
- [31] *Da Costa, L. E.* Generating Grammatical Plant Models with Genetic Algorithms / L. E. Da Costa, J.-A. Landry // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 230–234.
- [32] *Dantas, A.* An Adaptive Neural System for Financial Time Series Tracking / A. Dantas, J. Seixas // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 421–424.
- [33] *Davey, N.* Associative Memories with Small World Connectivity / N. Davey, L. Calcraft, R. Adams // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 74–77.
- [34] *de Abreu de Sousa, M. A.* Robotic Mapping and Navigation in Unknown Environments Using Adaptive Automata / M. A. de Abreu de Sousa, A. R. Hirakawa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 345–348.
- [35] *Doan, S.* The Use of Multi-Criteria in Feature Selection to Enhance Text Categorization / S. Doan, S. Horiguchi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 441–444.
- [36] *Doherty, K. A. J.* Hierarchical Growing Neural Gas / K. A. J. Doherty, R. G. Adams, N. Davey // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 140–143.

- [37] *Dongfeng, H.* A Binary Digital Watermarking Scheme Based on the Orthogonal Vector and ICA-SCS Denoising / H. Dongfeng, L. Wenhui // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 466–469.
- [38] Dynamic Modelling and Optimisation of a Ammalian Cells Process Using Hybrid Grey-box Systems / A. Teixeira, A. Cunha, J. Clemente et al. // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 296–299.
- [39] Dynamics in Proportionate Selection / A. Agrawal, I. Mitchell, P. Passmore, I. Litovski // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 226–229.
- [40] An Efficient Algorithm for De Novo Peptide Sequencing / S. Brunetti, D. Dutta, S. Liberatori et al. // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 312–315.
- [41] *Eidson, J.* Learning from Randomly-Distributed Inaccurate Measurements / J. Eidson, B. Hamilton, V. Kanevsky // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 54–61.
- [42] Evolutionary Design and Evaluation of Modeling System for Forecasting Urban Airborne Maximum Pollutant Concentrations / H. Niska, T. Hiltunen, A. Karppinen, M. Kolehmainen // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 181–184.
- [43] Evolving Segments Length in Golomb Rulers / J. Tavares, T. Leitao, F. B. Pereira, E. Costa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 239–242.
- [44] *Gabrijel, I.* On-line Inference of Finite Automata in Noisy Environments / I. Gabrijel, A. Dobnikar // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 132–135.
- [45] *Gangadhar, D.* Pelican - Protein-structure Alignment Using Cellular Automaton Models / D. Gangadhar // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 308–311.
- [46] *Garcia, C.* An Efficient Heuristic for the Traveling Salesman Problem Based on a Growing SOM-like Algorithm / C. Garcia, J. Moreno // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 177–180.
- [47] *Gaspar-Cunha, A.* A Multi-Objective Evolutionary Algorithm for Solving Traveling Salesman Problems: Application to the Design of Polymer Extruders / A. Gaspar-Cunha // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 189–193.
- [48] *Gupta, N.* Two-Criterion Optimization in State Assignment for Synchronous Finite State Machines Using NSGA-II / N. Gupta, V. K. Agrawal // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 214–217.

- [49] *Hayward, S.* Genetic Algorithm Optimization of an Artificial Neural Network for Financial Applications / S. Hayward // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 409–416.
- [50] *Helle, M.* A Method for Detecting Cause-effects in Data from Complex Processes / M. Helle, H. Saxen // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 104–107.
- [51] *Holena, M.* Neural-Networks for Extraction of Fuzzy Logic Rules with Application to EEG Data / M. Holena // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 369–372.
- [52] *Honig, U.* Comparison of Nature Inspired and Deterministic Scheduling Heuristics Considering Optimal Schedules / U. Honig, W. Schiffmann // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 361–364.
- [53] *Horzyk, A.* Interval Basis Neural Network / A. Horzyk // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 50–53.
- [54] *Hoshino, O.* Cortical Modulation of Synaptic Efficacies through Norepinephrine / O. Hoshino // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 70–73.
- [55] *Huk, M.* The Concept and Properties of Sigma-if Neural Network / M. Huk, H. Kwasnicka // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 13–17.
- [56] *Intelligent Agent Inspired Genetic Algorithm* / C. Wu, Y. Liang, H. Lee, C. Lu // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 389–392.
- [57] *Intrusion Detection System Based on a Cooperative Topology Preserving Method* / E. Corchado, A. Herrero, B. Baroque, J. M. Saiz // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 454–457.
- [58] *Jankovic, M.* Time-Oriented Hierarchical Method for Computation of Minor Components / M. Jankovic, H. Ogawa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 38–41.
- [59] *Jedrzejowicz, J.* Implementation and Experimental Validation of the Population Learning Algorithm Applied to Solving QAP Instances / J. Jedrzejowicz, P. Jedrzejowicz // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 198–201.
- [60] *Jelleli, T. M.* Improved Hierarchical Fuzzy Control Scheme / T. M. Jelleli, A. M. Alimi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 128–131.
- [61] *Jonkergouw, P.* Modelling Chlorine Decay in Water Networks with Genetic Programming / P. Jonkergouw, E. Keedwell, S.-T. Khu // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 206–209.

- [62] *Joshi, R.* Probabilistic Artificial Neural Networks for Malignant Melanoma Prognosis / R. Joshi, C. Reeves, C. Johnston // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 425–428.
- [63] *Kaewkamnerdpong, B.* Perceptive Particle Swarm Optimisation / B. Kaewkamnerdpong, P. J. Bentley // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 259–263.
- [64] *Kaklamanos, D. G.* Personalized News Access / D. G. Kaklamanos, K. G. Margaritis // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 397–400.
- [65] *Kawasnicka, H.* Efficiency Aspects of Neural Network Architecture Evolution Using Direct and Indirect Encoding / H. Kawasnicka, M. Paradowski // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 405–408.
- [66] *Kherallah, M.* Toward an On-Line Handwriting Recognition System Based on Visual Coding and Genetic Algorithm / M. Kherallah, F. Bouri, M. A. Alimi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 502–505.
- [67] *Kilani, Y.* Treating some Constraints as Hard Speeds up the ESG Local Search Algorithm / Y. Kilani, A. Mohdzin // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 247–249.
- [68] *Koppen, M.* The Pareto-Box Problem for the Modelling of Evolutionary Multiobjective Optimization Algorithms / M. Koppen, R. Vicente-Garcia, B. Nickolay // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 194–197.
- [69] *Koutnik, J.* Neural Network Generating Hidden Markov Chain / J. Koutnik, M. Snorek // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 518–521.
- [70] *Krishna, A.* Reverse Engineering Gene Networks with Artificial Neural Networks / A. Krishna, A. Narayanan, E. C. Keedwell // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 325–328.
- [71] *Kubalik, J.* Using Genetic Algorithms with Real-coded Binary Representation for Solving Non-stationary Problems / J. Kubalik // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 222–225.
- [72] *Kurkova, V.* Minimization of Empirical Error over Perceptron Networks / V. Kurkova // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 46–49.
- [73] *Li, Q.* Swarm Intelligence Clustering Algorithm Based on Attractor / Q. Li, Z. Shi, Z. Shi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 353–356.
- [74] *Liu, Q.* Statistical Correlations and Machine Learning for Steganalysis / Q. Liu, A. H. Sung, B. M. Ribeiro // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 437–440.

- [75] *Lobo, F. G.* Massive Parallelization of the Compact Genetic Algorithm / F. G. Lobo, C. F. Lima, H. Martires // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 530–533.
- [76] *Lotric, U.* Parallel Implementations of Feed-forward Neural Network Using MPI and C# on .NET Platform / U. Lotric, A. Dobnikar // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 534–537.
- [77] *Machado, T. R.* A Hybrid Particle Swarm Optimization Model for the Traveling Salesman Problem / T. R. Machado, H. S. Lopes // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 255– 258.
- [78] *Marolt, M.* A Connectionist Model of Finding Partial Groups in Music Recordings with Application to Music Transcription / M. Marolt // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 494–497.
- [79] *Marzouki, K.* Novel Learning Algorithm Aiming at Generating a Unique Units Distribution in Standard SOM / K. Marzouki, T. Yamakawa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 168–172.
- [80] *Moller, U.* Estimating the Number of Clusters from Distributional Results of Partitioning a Given Data Set / U. Moller // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 151–154.
- [81] *Morita, S.* Simulating Binocular Eye Movements Based on 3-D Short-Term Memory Image in Reading / S. Morita // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 470–473.
- [82] *Mukkamala, S.* Model Selection for Kernel Based Intrusion Detection Systems / S. Mukkamala, A. H. Sung, B. M. Ribeiro // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 458–461.
- [83] *Murata, M.* A Memory-Based Reinforcement Learning Model Utilizing Macro-Actions / M. Murata, S. Ozawa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 78–81.
- [84] *Neto, J. J.* An Adaptive Framework for the Design of Software Specification Languages / J. J. Neto, P. S. M. Silva // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 349–352.
- [85] A Neural Network System for Modelling of Coagulant Dosage Used in Drinking Water Treatment / B. Lamrini, A. Benhammou, A. Karama, M.-V. L. Lann // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 96–99.
- [86] A New Neuro-Based Method For Short Term Load Forecasting of Iran National Power System / R. Barzamini, M. B. Menhaj, S. Kamalvand, M. A. Fasihi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 373–376.

- [87] *Ohba, T.* Competitive Decentralized Autonomous Neural Net Controllers / T. Ohba, M. Ishida // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 124–127.
- [88] *Oliveira, R.* Benchmark Testing of Simulated Annealing, Adaptive Random Search and Genetic Algorithms for the Global Optimization of Bioprocesses / R. Oliveira, R. Salcedo // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 292–295.
- [89] *Osterman, C.* The Satellite List: A Reversible Doubly-Linked List / C. Osterman, C. Rego, D. Gamboa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 542–545.
- [90] *Palmer-Brown, D.* ADFUNN: An Adaptive Function Neural Network / D. Palmer-Brown, M. Kang // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 1–4.
- [91] *Pearson, D. W.* Improved Clustering by Rotation of Cluster Centres / D. W. Pearson, M. Batton-Hubert // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 136–139.
- [92] *Pedrazzi, T. C.* Adaptive Decision Tables: A Case Study of their Application to Decision-Taking Problems / T. C. Pedrazzi, A. H. Tchémra, R. L. A. Rocha // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 341–344.
- [93] *Pereira, A.* Redundant Quantum Arithmetic / A. Pereira, R. Rodrigues // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 280–283.
- [94] *Perovich, S. M.* The Analytical Analysis of Hopfield Neuron Parameters by the Application of Special Trans Function Theory / S. M. Perovich, S. I. Bauk, N. Konjevic // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 33–37.
- [95] *Petra, K.* Product Kernel Regularization Networks / K. Petra, S. Terezie // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 433–436.
- [96] *Pinto, P.* Wasp Swarm Optimization of Logistic Systems / P. Pinto, T. A. Runkler, J. M. Sousa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 264–267.
- [97] *Pistori, H.* Adaptive Finite State Automata and Genetic Algorithms: Merging Individual Adaptation and Population Evolution / H. Pistori, P. S. Martins, A. A. de Castro, Jr. // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 333–336.
- [98] *Rahnamayan, S.* Learning Image Filtering from a Gold Sample Based on Genetic On Genetic Optimization of Morphological processing / S. Rahnamayan, H. R. Tizhoosh, M. Salama // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 478–481.



- [99] *Rastegar, R.* A Fuzzy Clustering Algorithm Using Cellular Learning Automata Based Evolutionary Algorithm / R. Rastegar, A. Hariri, M. Meybodi // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 144–150.
- [100] *Rehor, D.* Visualization of Meta-Reasoning in Multi-Agent Systems / D. Rehor, J. Tozicka, P. Slavik // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 385–388.
- [101] *Rocha, M.* Evolutionary Design of Neural Networks for Classification and Regression / M. Rocha, P. Cortez, J. Neves // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 304–307.
- [102] *Rocha, M.* Evolutionary Algorithms for Static and Dynamic Optimization of Fed-batch Fermentation Processes / M. Rocha, J. Neves, A. Veloso // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 288–291.
- [103] *Saxen, H.* A Simple Method for Selection of Inputs and Structure of Feedforward Neural Networks / H. Saxen, F. Pettersson // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 9–12.
- [104] *Schoeman, I. L.* A Parallel Vector-Based Particle Swarm Optimizer / I. L. Schoeman, A. P. Engelbrecht // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 268–271.
- [105] *Shakya, S.* Estimating the Distribution in an EDA / S. Shakya, J. McCall, D. F. Brown // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 202–205.
- [106] *Shibata, K.* Discretization of Series of Communication Signals in Noisy Environment by Reinforcement Learning / K. Shibata // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 486–489.
- [107] *Shirota, C.* Associative Memories and Diagnostic Classification of EMG Signals / C. Shirota, M. Y. Barretto, C. Itiki // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 482–485.
- [108] *Sicard, A.* Numerical Simulations of a Possible Hypercomputational Quantum Algorithm / A. Sicard, J. Ospina, M. Velez // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 272–275.
- [109] *Silva, C.* Text Classification from Partially Labeled Distributed Data / C. Silva, B. Ribeiro // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 445–448.
- [110] *Silva, S.* Resource-Limited Genetic Programming: Replacing Tree Depth Limits / S. Silva, P. J. N. Silva, E. Costa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 243–246.

- [111] *Sima, J.* Generating Sequential Triangle Strips by Using Hopfield Nets / J. Sima // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 25–28.
- [112] Solving The Roots of Cyclic-Code Generated Polynomial by Using Evolutionary Computation / K. Li, Y. Li, C. Teng, Y. Wang // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 449–453.
- [113] *Soula, H.* Evolution versus Learning in Temporal Neural Networks / H. Soula, G. Beslon, J. Favrel // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 42–45.
- [114] *Sun, H.* Combining Topological and Cardinal Directional Relation Information in QSR / H. Sun // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 62–65.
- [115] *Tambouratzis, T.* SOM-Based Estimation of Meteorological Profiles / T. Tambouratzis // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 173–176.
- [116] *Tavares, J.* Golomb Rulers: Experiments with Marks Representation / J. Tavares, F. B. Pereira, E. Costa // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 235–238.
- [117] *Torres, D.* Assessing the Reliability of Complex Networks through Hybrid Intelligent Systems / D. Torres, C. Rocco // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 510–513.
- [118] *Trebar, M.* Predictive Data Mining on Rubber Compound Database / M. Trebar, U. Lotric // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 108–111.
- [119] *Udrescu, M.* Efficient Quantum Circuits Simulation with the Bubble Bit Technique / M. Udrescu, L. Prodan, M. Vladutiu // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 276–279.
- [120] *Vaculin, R.* Autonomous Behavior of Computational Agents / R. Vaculin, R. Neruda // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 514–517.
- [121] *Vieira, A.* A Method to Improve Generalization of Neural Networks: Application to the Problem of Bankruptcy Prediction / A. Vieira, J. C. Neves, B. Ribeiro // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 417–420.
- [122] *Viet, N.* Approximating the Algebraic Solution of Systems of Interval Linear Equations with Use of Neural Networks / N. Viet, M. Kleiber // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 377–380.
- [123] *Wagner, S.* HeuristicLab: A Generic and Extensible Optimization Environment / S. Wagner, M. Affenzeller // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 538–541.

- [124] *Xin, R.-M.* A More Accurate Text Classifier for Positive and Unlabeled Data / R.-M. Xin, W.-L. Zuo // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 401–404.
- [125] *Yatsuzuka, Y.* Large Scale Hetero-Associative Networks with Very High Classification Ability and Attractor Discrimination Consisting of Cumulative-Learned 3-Layer Neural Networks / Y. Yatsuzuka, Y. Ho // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 86–91.
- [126] *Yoshikawa, M.* Parallel Placement Procedure Based on Distributed Genetic Algorithms / M. Yoshikawa, T. Fujino, H. Terai // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 526–529.
- [127] *Zhang, L.* Local Cluster Neural Network Chip for Control / L. Zhang, J. Sitte, U. Rueckert // Adaptive and Natural Computing Algorithms / ed. by B. Ribeiro, R. F. Albrecht, A. Dobnikar et al. — Springer Computer Series. — Coimbra, Portugal : Springer, 2005. — 21-23 March. — P. 116–119.