Список литературы

- [ABUALRUB et al., 2005] ABUALRUB, T., GHRAYEB, A., and ZENG, X. (2005). A Special Class of Additive Cyclic Codes for DNA Computing. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 284–287, Coimbra, Portugal. Springer.
- [ACAN and GUNAY, 2005] ACAN, A. and GUNAY, A. (2005). An External Memory Supported ACO for the Frequency Assignment Problem. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 365–368, Coimbra, Portugal. Springer.
- [Affenzeller and Wagner, 2005] Affenzeller, M. and Wagner, S. (2005). Offspring Selection: A New Self-Adaptive Selection Scheme for Genetic Algorithms. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 218–221, Coimbra, Portugal. Springer.
- [AGRAWAL et al., 2005] AGRAWAL, A., MITCHELL, I., PASSMORE, P., and LITOVSKI, I. (2005). Dynamics in Proportionate Selection. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 226–229, Coimbra, Portugal. Springer.
- [ALTINCAY, 2005] ALTINCAY, H. (2005). An Evidence Theoretic Ensemble Design Technique. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 66–69, Coimbra, Portugal. Springer.
- [Avila et al., 2005] Avila, C., Tsuji, Y., and Shiraishi, Y. (2005). Crack width Prediction of RC Structures by Artificial Neural Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 92–95, Coimbra, Portugal. Springer.
- [Barth and Gomi, 2005] Barth, F. and Gomi, E. (2005). A Meta-Level Architecture for Adaptive Applications. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 329–332, Coimbra, Portugal. Springer.
- [Barzamini et al., 2005] Barzamini, R., Menhaj, M. B., Kamalvand, S., and Fasihi, M. A. (2005). A New Neuro-Based Method For Short Term Load Forecasting of Iran National Power System. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 373–376, Coimbra, Portugal. Springer.
- [Bauk et al., 2005] Bauk, S. I., Perovich, S. M., and Lompar, A. (2005). The Linear Approximation Method to the Modified Hopfield Neural Network Parameters Analysis. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 29–32, Coimbra, Portugal. Springer.
- [Beliczynski, 2005] Beliczynski, B. (2005). Certain Comments on Data Preparation for Neural Networks Based Modelling. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 5–8, Coimbra, Portugal. Springer.
- [Bellil et al., 2005] Bellil, W., Amar, C., and Alimi, A. (2005). Beta Wavelet Networks for Function Approximation. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 18–21, Coimbra, Portugal. Springer.

- [BINGUL and ERTUNC, 2005] BINGUL, Z. and ERTUNC, H. M. (2005). Applying Neural Network to Inverse Kinematic Problem for 6R Robot Manipulator with Offset Wrist. In RIBEIRO, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 112–115, Coimbra, Portugal. Springer.
- [BISLER, 2005] BISLER, A. (2005). Emergent Behavior of Interacting Groups of Communicative Agents. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 316–320, Coimbra, Portugal. Springer.
- [Bontempi et al., 2005] Bontempi, G., Birattari, M., and Meyer, P. E. (2005). Combining Lazy Learning, Racing and Subsampling for Effective Feature Selection. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 393–396, Coimbra, Portugal. Springer.
- [Boubacar et al., 2005] Boubacar, H. A., Lecoeuche, S., and Maouche, S. (2005). AUDyc Neural Network Using a New Gaussian Densities Merge Mechanism. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 155–158, Coimbra, Portugal. Springer.
- [Boudjemai et al., 2005] Boudjemai, F., Enberg, P. B., and Postaire, J. G. (2005). 3D Self Organizing Convex Neural Network Architectures. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 164–167, Coimbra, Portugal. Springer.
- [Boudour and Hellal, 2005] Boudour, M. and Hellal, A. (2005). The Growing Hierarchical Self-Organizing Feature Maps And Genetic Algorithms for Large Scale Power System security. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 159–163, Coimbra, Portugal. Springer.
- [Boumehraz and Benmahammed, 2005] Boumehraz, M. and Benmahammed, K. (2005). A Switching Controller for Nonlinear Systems via Fuzzy Models. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 120–123, Coimbra, Portugal. Springer.
- [Braught, 2005] Braught, G. W. (2005). Evolving Evolvability: Evolving Both Representations and Operators. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 185–188, Coimbra, Portugal. Springer.
- [Brunetti et al., 2005] Brunetti, S., Dutta, D., Liberatori, S., Mori, E., and Varrazzo, D. (2005). An Efficient Algorithm for De Novo Peptide Sequencing. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 312–315, Coimbra, Portugal. Springer.
- [Camolesi, 2005] Camolesi, A. R. (2005). Modeling a Tool for the Generation of Programming Environments for Adaptive Formalisms. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 337–340, Coimbra, Portugal. Springer.
- [Cao et al., 2005a] Cao, W., Pan, X., and Wang, S. (2005a). The Research of Speaker-Independent Continuous Mandarin Chinese Digits Speech-Recognition Based on the Dynamic Search Method of High-Dimension Space Vertex Cover. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 490–493, Coimbra, Portugal. Springer.
- [CAO et al., 2005b] CAO, W., Xu, C., and Wang, S. (2005b). An Algorithm For Face Pose Adjustment Based On Eye Location. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 474–477, Coimbra, Portugal. Springer.

- [CIGLARIC et al., 2005] CIGLARIC, M., M. PANCUR, B. S., and DOBNIKAR, A. (2005). Datamining in Grid Environment. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 522–525, Coimbra, Portugal. Springer.
- [CORCHADO et al., 2005] CORCHADO, E., HERRERO, A., BARUQUE, B., and SAIZ, J. M. (2005). Intrusion Detection System Based on a Cooperative Topology Preserving Method. In RIBEIRO, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 454–457, Coimbra, Portugal. Springer.
- [CRUZ, 2005] CRUZ, P. (2005). Speeding up Backpropagation with Multiplicative Batch Update Step. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 22–24, Coimbra, Portugal. Springer.
- [Curran and O'Riordan, 2005] Curran, D. and O'Riordan, C. (2005). Evolving Blackjack Strategies Using Cultural Learning. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 210–213, Coimbra, Portugal. Springer.
- [DA COSTA and LANDRY, 2005] DA COSTA, L. E. and LANDRY, J.-A. (2005). Generating Grammatical Plant Models with Genetic Algorithms. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 230–234, Coimbra, Portugal. Springer.
- [Dantas and Seixas, 2005] Dantas, A. and Seixas, J. (2005). An Adaptive Neural System for Financial Time Series Tracking. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 421–424, Coimbra, Portugal. Springer.
- [Davey et al., 2005] Davey, N., Calcraft, L., and Adams, R. (2005). Associative Memories with Small World Connectivity. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 74–77, Coimbra, Portugal. Springer.
- [DE ABREU DE SOUSA and HIRAKAWA, 2005] DE ABREU DE SOUSA, M. A. and HIRAKAWA, A. R. (2005). Robotic Mapping and Navigation in Unknown Environments Using Adaptive Automata. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 345–348, Coimbra, Portugal. Springer.
- [Doan and Horiguchi, 2005] Doan, S. and Horiguchi, S. (2005). The Use of Multi-Criteria in Feature Selection to Enhance Text Categorization. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 441–444, Coimbra, Portugal. Springer.
- [Doherty et al., 2005] Doherty, K. A. J., Adams, R. G., and Davey, N. (2005). Hierarchical Growing Neural Gas. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 140–143, Coimbra, Portugal. Springer.
- [Dongfeng and Wenhui, 2005] Dongfeng, H. and Wenhui, L. (2005). A Binary Digital Watermarking Scheme Based on the Orthogonal Vector and ICA-SCS Denoising. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 466–469, Coimbra, Portugal. Springer.
- [Eidson et al., 2005] Eidson, J., Hamilton, B., and Kanevsky, V. (2005). Learning from Randomly-Distributed Inaccurate Measurements. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 54–61, Coimbra, Portugal. Springer.

- [Gabrijel and Dobnikar, 2005] Gabrijel, I. and Dobnikar, A. (2005). On-line Inference of Finite Automata in Noisy Environments. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 132–135, Coimbra, Portugal. Springer.
- [Gangadhar, 2005] Gangadhar, D. (2005). Pelican Protein-structure Alignment Using Cellular Automaton Models. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 308–311, Coimbra, Portugal. Springer.
- [Garcia and Moreno, 2005] Garcia, C. and Moreno, J. (2005). An Efficient Heuristic for the Traveling Salesman Problem Based on a Growing SOM-like Algorithm. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 177–180, Coimbra, Portugal. Springer.
- [Gaspar-Cunha, 2005] Gaspar-Cunha, A. (2005). A Multi-Objective Evolutionary Algorithm for Solving Traveling Salesman Problems: Application to the Design of Polymer Extruders. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 189–193, Coimbra, Portugal. Springer.
- [Gupta and Agrawal, 2005] Gupta, N. and Agrawal, V. K. (2005). Two-Criterion Optimization in State Assignment for Synchronous Finite State Machines Using NSGA-II. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 214–217, Coimbra, Portugal. Springer.
- [HAYWARD, 2005] HAYWARD, S. (2005). Genetic Algorithm Optimization of an Artificial Neural Network for Financial Applications. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 409–416, Coimbra, Portugal. Springer.
- [Helle and Saxen, 2005] Helle, M. and Saxen, H. (2005). A Method for Detecting Cause-effects in Data from Complex Processes. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 104–107, Coimbra, Portugal. Springer.
- [Holena, 2005] Holena, M. (2005). Neural-Networks for Extraction of Fuzzy Logic Rules with Application to EEG Data. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 369–372, Coimbra, Portugal. Springer.
- [Honig and Schiffmann, 2005] Honig, U. and Schiffmann, W. (2005). Comparison of Nature Inspired and Deterministic Scheduling Heuristics Considering Optimal Schedules. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 361–364, Coimbra, Portugal. Springer.
- [Horzyk, 2005] Horzyk, A. (2005). Interval Basis Neural Network. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 50–53, Coimbra, Portugal. Springer.
- [Hoshino, 2005] Hoshino, O. (2005). Cortical Modulation of Synaptic Efficacies through Norepinephrine. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 70–73, Coimbra, Portugal. Springer.
- [Huk and Kwasnicka, 2005] Huk, M. and Kwasnicka, H. (2005). The Concept and Properties of Sigma-if Neural Network. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 13–17, Coimbra, Portugal. Springer.

- [Jankovic and Ogawa, 2005] Jankovic, M. and Ogawa, H. (2005). Time-Oriented Hierarchical Method for Computation of Minor Components. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 38–41, Coimbra, Portugal. Springer.
- [Jedrzejowicz and Jedrzejowicz, 2005] Jedrzejowicz, J. and Jedrzejowicz, P. (2005). Implementation and Experimental Validation of the Population Learning Algorithm Applied to Solving QAP Instances. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 198–201, Coimbra, Portugal. Springer.
- [Jelleli and Alimi, 2005] Jelleli, T. M. and Alimi, A. M. (2005). Improved Hierarchical Fuzzy Control Scheme. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 128–131, Coimbra, Portugal. Springer.
- [Jonkergouw et al., 2005] Jonkergouw, P., Keedwell, E., and Khu, S.-T. (2005). Modelling Chlorine Decay in Water Networks with Genetic Programming. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 206–209, Coimbra, Portugal. Springer.
- [Joshi et al., 2005] Joshi, R., Reeves, C., and Johnston, C. (2005). Probabilistic Artificial Neural Networks for Malignant Melanoma Prognosis. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 425–428, Coimbra, Portugal. Springer.
- [Kaewkamnerdpong and Bentley, 2005] Kaewkamnerdpong, B. and Bentley, P. J. (2005). Perceptive Particle Swarm Optimisation. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 259–263, Coimbra, Portugal. Springer.
- [Kaklamanos and Margaritis, 2005] Kaklamanos, D. G. and Margaritis, K. G. (2005). Personalized News Access. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 397–400, Coimbra, Portugal. Springer.
- [KAWASNICKA and PARADOWSKI, 2005] KAWASNICKA, H. and PARADOWSKI, M. (2005). Efficiency Aspects of Neural Network Architecture Evolution Using Direct and Indirect Encoding. In RIBEIRO, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 405–408, Coimbra, Portugal. Springer.
- [Kherallah et al., 2005] Kherallah, M., Bouri, F., and Alimi, M. A. (2005). Toward an On-Line Handwriting Recognition System Based on Visual Coding and Genetic Algorithm. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 502–505, Coimbra, Portugal. Springer.
- [Kilani and Mohdzin, 2005] Kilani, Y. and Mohdzin, A. (2005). Treating some Constraints as Hard Speeds up the ESG Local Search Algorithm. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 247–249, Coimbra, Portugal. Springer.
- [Kita et al., 2005] Kita, S., Maekawa, S., Ozawa, S., and Abe, S. (2005). Boosting Kernel Discriminant Analysis with Adaptive Kernel Selection. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 429–432, Coimbra, Portugal. Springer.
- [KOPPEN et al., 2005] KOPPEN, M., VICENTE-GARCIA, R., and NICKOLAY, B. (2005). The Pareto-Box Problem for the Modelling of Evolutionary Multiobjective Optimization Algorithms. In

- RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 194–197, Coimbra, Portugal. Springer.
- [Koutnik and Snorek, 2005] Koutnik, J. and Snorek, M. (2005). Neural Network Generating Hidden Markov Chain. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 518–521, Coimbra, Portugal. Springer.
- [Krishna et al., 2005] Krishna, A., Narayanan, A., and Keedwell, E. C. (2005). Reverse Engineering Gene Networks with Artificial Neural Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 325–328, Coimbra, Portugal. Springer.
- [Kubalik, 2005] Kubalik, J. (2005). Using Genetic Algorithms with Real-coded Binary Representation for Solving Non-stationary Problems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 222–225, Coimbra, Portugal. Springer.
- [Kurkova, 2005] Kurkova, V. (2005). Minimization of Empirical Error over Perceptron Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 46–49, Coimbra, Portugal. Springer.
- [Lamrini et al., 2005] Lamrini, B., Benhammou, A., Karama, A., and Lann, M.-V. L. (2005). A Neural Network System for Modelling of Coagulant Dosage Used in Drinking Water Treatment. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 96–99, Coimbra, Portugal. Springer.
- [Li et al., 2005a] Li, K., Li, Y., Teng, C., and Wang, Y. (2005a). Solving The Roots of Cyclic-Code Generated Polynomial by Using Evolutionary Computation. In RIBEIRO, B., ALBRECHT, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 449–453, Coimbra, Portugal. Springer.
- [Li et al., 2005b] Li, Q., Shi, Z., and Shi, Z. (2005b). Swarm Intelligence Clustering Algorithm Based on Attractor. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 353–356, Coimbra, Portugal. Springer.
- [Liu et al., 2005] Liu, Q., Sung, A. H., and Ribeiro, B. M. (2005). Statistical Correlations and Machine Learning for Steganalysis. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 437–440, Coimbra, Portugal. Springer.
- [Lobo et al., 2005] Lobo, F. G., Lima, C. F., and Martires, H. (2005). Massive Parallelization of the Compact Genetic Algorithm. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 530–533, Coimbra, Portugal. Springer.
- [Lotric and Dobnikar, 2005] Lotric, U. and Dobnikar, A. (2005). Parallel Implementations of Feed-forward Neural Network Using MPI and C# on .NET Platform. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 534–537, Coimbra, Portugal. Springer.
- [Machado and Lopes, 2005] Machado, T. R. and Lopes, H. S. (2005). A Hybrid Particle Swarm Optimization Model for the Traveling Salesman Problem. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 255–258, Coimbra, Portugal. Springer.

- [Marolt, 2005] Marolt, M. (2005). A Connectionist Model of Finding Partial Groups in Music Recordings with Application to Music Transcription. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 494–497, Coimbra, Portugal. Springer.
- [Marzouki and Yamakawa, 2005] Marzouki, K. and Yamakawa, T. (2005). Novel Learning Algorithm Aiming at Generating a Unique Units Distribution in Standard SOM. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 168–172, Coimbra, Portugal. Springer.
- [Moller, 2005] Moller, U. (2005). Estimating the Number of Clusters from Distributional Results of Partitioning a Given Data Set. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 151–154, Coimbra, Portugal. Springer.
- [Morita, 2005] Morita, S. (2005). Simulating Binocular Eye Movements Based on 3-D Short-Term Memory Image in Reading. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 470–473, Coimbra, Portugal. Springer.
- [Mukkamala et al., 2005] Mukkamala, S., Sung, A. H., and Ribeiro, B. M. (2005). Model Selection for Kernel Based Intrusion Detection Systems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 458–461, Coimbra, Portugal. Springer.
- [Murata and Ozawa, 2005] Murata, M. and Ozawa, S. (2005). A Memory-Based Reinforcement Learning Model Utilizing Macro-Actions. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 78–81, Coimbra, Portugal. Springer.
- [Neto and Silva, 2005] Neto, J. J. and Silva, P. S. M. (2005). An Adaptive Framework for the Design of Software Specification Languages. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 349–352, Coimbra, Portugal. Springer.
- [NISKA et al., 2005] NISKA, H., HILTUNEN, T., KARPPINEN, A., and KOLEHMAINEN, M. (2005). Evolutionary Design and Evaluation of Modeling System for Forecasting Urban Airborne Maximum Pollutant Concentrations. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 181–184, Coimbra, Portugal. Springer.
- [Ohba and Ishida, 2005] Ohba, T. and Ishida, M. (2005). Competitive Decentralized Autonomous Neural Net Controllers. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 124–127, Coimbra, Portugal. Springer.
- [OLIVEIRA et al., 2005] OLIVEIRA, R., CUNHA, A., CLEMENTE, J., and CARRONDO, M. J. T. (2005). Adaptive DO-based Control of Substrate Feeding in High Cell Density Cultures Operated under Oxygen Transfer Limitation. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 300–303, Coimbra, Portugal. Springer.
- [OLIVEIRA and SALCEDO, 2005] OLIVEIRA, R. and SALCEDO, R. (2005). Benchmark Testing of Simulated Annealing, Adaptive Random Search and Genetic Algorithms for the Global Optimization of Bioprocesses. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 292–295, Coimbra, Portugal. Springer.

- [Osterman et al., 2005] Osterman, C., Rego, C., and Gamboa, D. (2005). The Satellite List: A Reversible Doubly-Linked List. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 542–545, Coimbra, Portugal. Springer.
- [Palmer-Brown and Kang, 2005] Palmer-Brown, D. and Kang, M. (2005). ADFUNN: An Adaptive Function Neural Network. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 1–4, Coimbra, Portugal. Springer.
- [Pearson and Batton-Hubert, 2005] Pearson, D. W. and Batton-Hubert, M. (2005). Improved Clustering by Rotation of Cluster Centres. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 136–139, Coimbra, Portugal. Springer.
- [Peck et al., 2005] Peck, C. C., Kozloski, J., Cecchi, G. A., and Rao, A. R. (2005). A Biologically Motivated Classifier that Preserves Implicit Relationship Information in Layered Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 82–85, Coimbra, Portugal. Springer.
- [Pedrazzi et al., 2005] Pedrazzi, T. C., Tchemra, A. H., and Rocha, R. L. A. (2005). Adaptive Decision Tables: A Case Study of their Application to Decision-Taking Problems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 341–344, Coimbra, Portugal. Springer.
- [Pereira and Rodrigues, 2005] Pereira, A. and Rodrigues, R. (2005). Redundant Quantum Arithmetic. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 280–283, Coimbra, Portugal. Springer.
- [Perovich et al., 2005] Perovich, S. M., Bauk, S. I., and Konjevic, N. (2005). The Analytical Analysis of Hopfield Neuron Parameters by the Application of Special Trans Function Theory. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 33–37, Coimbra, Portugal. Springer.
- [Petra and Terezie, 2005] Petra, K. and Terezie, S. (2005). Product Kernel Regularization Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 433–436, Coimbra, Portugal. Springer.
- [Pinto et al., 2005] Pinto, P., Runkler, T. A., and Sousa, J. M. (2005). Wasp Swarm Optimization of Logistic Systems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 264–267, Coimbra, Portugal. Springer.
- [PISTORI et al., 2005] PISTORI, H., MARTINS, P. S., and DE CASTRO, JR., A. A. (2005). Adaptive Finite State Automata and Genetic Algorithms: Merging Individual Adaptation and Population Evolution. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 333–336, Coimbra, Portugal. Springer.
- [Rahnamayan et al., 2005] Rahnamayan, S., Tizhoosh, H. R., and Salama, M. (2005). Learning Image Filtering from a Gold Sample Based on Genetic On Genetic Optimization of Morphological processing. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 478–481, Coimbra, Portugal. Springer.

- [Rastegar et al., 2005] Rastegar, R., Hariri, A., and Meybodi, M. (2005). A Fuzzy Clustering Algorithm Using Cellular Learning Automata Based Evolutionary Algorithm. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 144–150, Coimbra, Portugal. Springer.
- [Rehor et al., 2005] Rehor, D., Tozicka, J., and Slavik, P. (2005). Visualization of Meta-Reasoning in Multi-Agent Systems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 385–388, Coimbra, Portugal. Springer.
- [ROCHA et al., 2005a] ROCHA, M., CORTEZ, P., and NEVES, J. (2005a). Evolutionary Design of Neural Networks for Classification and Regression. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 304–307, Coimbra, Portugal. Springer.
- [Rocha et al., 2005b] Rocha, M., Neves, J., and Veloso, A. (2005b). Evolutionary Algorithms for Static and Dynamic Optimization of Fed-batch Fermentation Processes. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 288–291, Coimbra, Portugal. Springer.
- [Ronnholm et al., 2005] Ronnholm, M., Arve, K., Eranen, K., Klingstedt, F., Salmi, T., Saxen, H., and Westerholm, J. (2005). Ann Modeling Applied to NOx Reduction with Octane. Ann Future in Personal Vehicles. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 100–103, Coimbra, Portugal. Springer.
- [SAXEN and PETTERSSON, 2005] SAXEN, H. and PETTERSSON, F. (2005). A Simple Method for Selection of Inputs and Structure of Feedforward Neural Networks. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 9–12, Coimbra, Portugal. Springer.
- [Schoeman and Engelbrecht, 2005] Schoeman, I. L. and Engelbrecht, A. P. (2005). A Parallel Vector-Based Particle Swarm Optimizer. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 268–271, Coimbra, Portugal. Springer.
- [Shakya et al., 2005] Shakya, S., McCall, J., and Brown, D. F. (2005). Estimating the Distribution in an EDA. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 202–205, Coimbra, Portugal. Springer.
- [Shibata, 2005] Shibata, K. (2005). Discretization of Series of Communication Signals in Noisy Environment by Reinforcement Learning. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 486–489, Coimbra, Portugal. Springer.
- [Shirota et al., 2005] Shirota, C., Barretto, M. Y., and Itiki, C. (2005). Associative Memories and Diagnostic Classification of EMG Signals. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 482–485, Coimbra, Portugal. Springer.
- [SICARD et al., 2005] SICARD, A., OSPINA, J., and VELEZ, M. (2005). Numerical Simulations of a Possible Hypercomputational Quantum Algorithm. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 272–275, Coimbra, Portugal. Springer.
- [SIIVA and RIBEIRO, 2005] SIIVA, C. and RIBEIRO, B. (2005). Text Classification from Partially Labeled Distributed Data. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 445–448, Coimbra, Portugal. Springer.

- [Silva et al., 2005a] Silva, C. A., Sousa, J. M., Runkler, T., and da Costa, J. M. G. S. (2005a). Ant-based Distributed Optimization for Supply Chain Management. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 357–360, Coimbra, Portugal. Springer.
- [SILVA et al., 2005b] SILVA, S., SILVA, P. J. N., and COSTA, E. (2005b). Resource-Limited Genetic Programming: Replacing Tree Depth Limits. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 243–246, Coimbra, Portugal. Springer.
- [SIMA, 2005] SIMA, J. (2005). Generating Sequential Triangle Strips by Using Hopfield Nets. In RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W., and STEELE, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 25–28, Coimbra, Portugal. Springer.
- [Soula et al., 2005] Soula, H., Beslon, G., and Favrel, J. (2005). Evolution versus Learning in Temporal Neural Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 42–45, Coimbra, Portugal. Springer.
- [Sun, 2005] Sun, H. (2005). Combining Topological and Cardinal Directional Relation Information in QSR. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 62– 65, Coimbra, Portugal. Springer.
- [Tambouratzis, 2005] Tambouratzis, T. (2005). SOM-Based Estimation of Meteorological Profiles. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 173–176, Coimbra, Portugal. Springer.
- [Tamura et al., 2005] Tamura, E., Busquets-Mataix, J. V., Martin, J. J. S., and Campoy, A. M. (2005). A Comparison of three Genetic Algorithms for Locking-cache Contents Selection in Real-Time Systems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 462–465, Coimbra, Portugal. Springer.
- [Tavares et al., 2005a] Tavares, J., Leitao, T., Pereira, F. B., and Costa, E. (2005a). Evolving Segments Length in Golomb Rulers. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 239–242, Coimbra, Portugal. Springer.
- [Tavares et al., 2005b] Tavares, J., Pereira, F. B., and Costa, E. (2005b). Golomb Rulers: Experiments with Marks Representation. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 235–238, Coimbra, Portugal. Springer.
- [Teixeira et al., 2005] Teixeira, A., Cunha, A., Clemente, J., Alves, P. M., Carrondo, M. J. T., and Oliveira, R. (2005). Dynamic Modelling and Optimisation of a Ammalian Cells Process Using Hybrid Grey-box Systems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 296–299, Coimbra, Portugal. Springer.
- [Torres and Rocco, 2005] Torres, D. and Rocco, C. (2005). Assessing the Reliability of Complex Networks through Hybrid Intelligent Systems. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 510–513, Coimbra, Portugal. Springer.
- [Trebar and Lotric, 2005] Trebar, M. and Lotric, U. (2005). Predictive Data Mining on Rubber Compound Database. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 108–111, Coimbra, Portugal. Springer.

- [Udrescu et al., 2005] Udrescu, M., Prodan, L., and Vladutiu, M. (2005). Efficient Quantum Circuits Simulation with the Bubble Bit Technique. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 276–279, Coimbra, Portugal. Springer.
- [Vaculin and Neruda, 2005] Vaculin, R. and Neruda, R. (2005). Autonomous Behavior of Computational Agents. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 514–517, Coimbra, Portugal. Springer.
- [Vieira et al., 2005] Vieira, A., Neves, J. C., and Ribeiro, B. (2005). A Method to Improve Generalization of Neural Networks: Application to the Problem of Bankruptcy Prediction. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 417–420, Coimbra, Portugal. Springer.
- [Viet and Kleiber, 2005] Viet, N. and Kleiber, M. (2005). Approximating the Algebraic Solution of Systems of Interval Linear Equations with Use of Neural Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 377–380, Coimbra, Portugal. Springer.
- [Wagner and Affenzeller, 2005] Wagner, S. and Affenzeller, M. (2005). HeuristicLab: A Generic and Extensible Optimization Environment. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 538–541, Coimbra, Portugal. Springer.
- [Wang et al., 2005] Wang, L. M., Shi, X., Chen, G., Ge, H. W., Lee, H. P., and Liang, Y. C. (2005). Applications of PSO Algorithm and OIF Elman Neural Network to Assessment and Forecasting for Atmospheric Quality. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 250–254, Coimbra, Portugal. Springer.
- [Wu et al., 2005] Wu, C., Liang, Y., Lee, H., and Lu, C. (2005). Intelligent Agent Inspired Genetic Algorithm. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 389–392, Coimbra, Portugal. Springer.
- [XIN and Zuo, 2005] XIN, R.-M. and Zuo, W.-L. (2005). A More Accurate Text Classifier for Positive and Unlabeled Data. In RIBEIRO, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 401–404, Coimbra, Portugal. Springer.
- [Yatsuzuka and Ho, 2005] Yatsuzuka, Y. and Ho, Y. (2005). Large Scale Hetero-Associative Networks with Very High Classification Ability and Attractor Discrimination Consisting of Cumulative-Learned 3-Layer Neural Networks. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 86–91, Coimbra, Portugal. Springer.
- [Yoshikawa et al., 2005] Yoshikawa, M., Fujino, T., and Terai, H. (2005). Parallel Placement Procedure Based on Distributed Genetic Algorithms. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, *Adaptive and Natural Computing* Algorithms, Springer Computer Series, pages 526–529, Coimbra, Portugal. Springer.
- [Zhang et al., 2005] Zhang, L., Sitte, J., and Rueckert, U. (2005). Local Cluster Neural Network Chip for Control. In Ribeiro, B., Albrecht, R. F., Dobnikar, A., Pearson, D. W., and Steele, N. C., editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 116–119, Coimbra, Portugal. Springer.