Список литературы

- [1] Palmer-Brown, D & Kang, M. (2005) ADFUNN: An Adaptive Function Neural Network, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 1–4.
- [2] Beliczynski, B. (2005) Certain Comments on Data Preparation for Neural Networks Based Modelling, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 5–8.
- [3] Saxen, H & Pettersson, F. (2005) A Simple Method for Selection of Inputs and Structure of Feedforward Neural Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 9–12.
- [4] Huk, M & Kwasnicka, H. (2005) The Concept and Properties of Sigma-if Neural Network, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 13–17.
- [5] Bellil, W, Amar, C, & Alimi, A. (2005) Beta Wavelet Networks for Function Approximation, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 18–21.
- [6] Cruz, P. (2005) Speeding up Backpropagation with Multiplicative Batch Update Step, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 22–24.
- [7] Sima, J. (2005) Generating Sequential Triangle Strips by Using Hopfield Nets, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 25–28.
- [8] Bauk, S. I, Perovich, S. M, & Lompar, A. (2005) The Linear Approximation Method to the Modified Hopfield Neural Network Parameters Analysis, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 29–32.
- [9] Perovich, S. M, Bauk, S. I, & Konjevic, N. (2005) The Analytical Analysis of Hopfield Neuron Parameters by the Application of Special Trans Function Theory, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 33–37.
- [10] Jankovic, M & Ogawa, H. (2005) Time-Oriented Hierarchical Method for Computation of Minor Components, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 38–41.
- [11] Soula, H, Beslon, G, & Favrel, J. (2005) Evolution versus Learning in Temporal Neural Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 42–45.
- [12] Kurkova, V. (2005) Minimization of Empirical Error over Perceptron Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 46–49.
- [13] Horzyk, A. (2005) Interval Basis Neural Network, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 50–53.
- [14] Eidson, J, Hamilton, B, & Kanevsky, V. (2005) Learning from Randomly-Distributed Inaccurate Measurements, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 54–61.
- [15] Sun, H. (2005) Combining Topological and Cardinal Directional Relation Information in QSR, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 62–65.

- [16] Altincay, H. (2005) An Evidence Theoretic Ensemble Design Technique, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 66–69.
- [17] Hoshino, O. (2005) Cortical Modulation of Synaptic Efficacies through Norepinephrine, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 70–73.
- [18] Davey, N, Calcraft, L, & Adams, R. (2005) Associative Memories with Small World Connectivity, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 74–77.
- [19] Murata, M & Ozawa, S. (2005) A Memory-Based Reinforcement Learning Model Utilizing Macro-Actions, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 78–81.
- [20] Peck, C. C, Kozloski, J, Cecchi, G. A, & Rao, A. R. (2005) A Biologically Motivated Classifier that Preserves Implicit Relationship Information in Layered Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 82–85.
- [21] Yatsuzuka, Y & Ho, Y. (2005) Large Scale Hetero-Associative Networks with Very High Classification Ability and Attractor Discrimination Consisting of Cumulative-Learned 3-Layer Neural Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 86-91.
- [22] Avila, C, Tsuji, Y, & Shiraishi, Y. (2005) Crack width Prediction of RC Structures by Artificial Neural Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 92–95.
- [23] Lamrini, B, Benhammou, A, Karama, A, & Lann, M.-V. L. (2005) A Neural Network System for Modelling of Coagulant Dosage Used in Drinking Water Treatment, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 96–99.
- [24] Ronnholm, M, Arve, K, Eranen, K, Klingstedt, F, Salmi, T, Saxen, H, & Westerholm, J. (2005) ANN Modeling Applied to NOx Reduction with Octane. ANN Future in Personal Vehicles, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 100–103.
- [25] Helle, M & Saxen, H. (2005) A Method for Detecting Cause-effects in Data from Complex Processes, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 104–107.
- [26] Trebar, M & Lotric, U. (2005) Predictive Data Mining on Rubber Compound Database, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 108–111.
- [27] Bingul, Z & Ertunc, H. M. (2005) Applying Neural Network to Inverse Kinematic Problem for 6R Robot Manipulator with Offset Wrist, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 112–115.
- [28] Zhang, L, Sitte, J, & Rueckert, U. (2005) Local Cluster Neural Network Chip for Control, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 116–119.
- [29] Boumehraz, M & Benmahammed, K. (2005) A Switching Controller for Nonlinear Systems via Fuzzy Models, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 120–123.

- [30] Ohba, T & Ishida, M. (2005) Competitive Decentralized Autonomous Neural Net Controllers, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 124–127.
- [31] Jelleli, T. M & Alimi, A. M. (2005) Improved Hierarchical Fuzzy Control Scheme, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 128–131.
- [32] Gabrijel, I & Dobnikar, A. (2005) On-line Inference of Finite Automata in Noisy Environments, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 132–135.
- [33] Pearson, D. W & Batton-Hubert, M. (2005) Improved Clustering by Rotation of Cluster Centres, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 136–139.
- [34] Doherty, K. A. J, Adams, R. G, & Davey, N. (2005) Hierarchical Growing Neural Gas, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 140–143.
- [35] Rastegar, R, Hariri, A, & Meybodi, M. (2005) A Fuzzy Clustering Algorithm Using Cellular Learning Automata Based Evolutionary Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 144–150.
- [36] Moller, U. (2005) Estimating the Number of Clusters from Distributional Results of Partitioning a Given Data Set, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 151–154.
- [37] Boubacar, H. A, Lecoeuche, S, & Maouche, S. (2005) AUDyC Neural Network Using a New Gaussian Densities Merge Mechanism, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 155–158.
- [38] Boudour, M & Hellal, A. (2005) The Growing Hierarchical Self-Organizing Feature Maps And Genetic Algorithms for Large Scale Power System security, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 159–163.
- [39] Boudjemai, F, Enberg, P. B, & Postaire, J. G. (2005) 3D Self Organizing Convex Neural Network Architectures, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 164–167.
- [40] Marzouki, K & Yamakawa, T. (2005) Novel Learning Algorithm Aiming at Generating a Unique Units Distribution in Standard SOM, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 168–172.
- [41] Tambouratzis, T. (2005) SOM-Based Estimation of Meteorological Profiles, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 173–176.
- [42] Garcia, C & Moreno, J. (2005) An Efficient Heuristic for the Traveling Salesman Problem Based on a Growing SOM-like Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 177–180.
- [43] Niska, H, Hiltunen, T, Karppinen, A, & Kolehmainen, M. (2005) Evolutionary Design and Evaluation of Modeling System for Forecasting Urban Airborne Maximum Pollutant Concentrations, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 181–184.
- [44] Braught, G. W. (2005) Evolving Evolvability: Evolving Both Representations and Operators, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 185–188.

- [45] Gaspar-Cunha, A. (2005) A Multi-Objective Evolutionary Algorithm for Solving Traveling Salesman Problems: Application to the Design of Polymer Extruders, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 189–193.
- [46] Koppen, M, Vicente-Garcia, R, & Nickolay, B. (2005) The Pareto-Box Problem for the Modelling of Evolutionary Multiobjective Optimization Algorithms, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 194–197.
- [47] Jedrzejowicz, J & Jedrzejowicz, P. (2005) Implementation and Experimental Validation of the Population Learning Algorithm Applied to Solving QAP Instances, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 198–201.
- [48] Shakya, S, McCall, J, & Brown, D. F. (2005) Estimating the Distribution in an EDA, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 202–205.
- [49] Jonkergouw, P, Keedwell, E, & Khu, S.-T. (2005) Modelling Chlorine Decay in Water Networks with Genetic Programming, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 206–209.
- [50] Curran, D & O'Riordan, C. (2005) Evolving Blackjack Strategies Using Cultural Learning, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 210–213.
- [51] Gupta, N & Agrawal, V. K. (2005) Two-Criterion Optimization in State Assignment for Synchronous Finite State Machines Using NSGA-II, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 214–217.
- [52] Affenzeller, M & Wagner, S. (2005) Offspring Selection: A New Self-Adaptive Selection Scheme for Genetic Algorithms, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 218–221.
- [53] Kubalik, J. (2005) Using Genetic Algorithms with Real-coded Binary Representation for Solving Non-stationary Problems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 222–225.
- [54] Agrawal, A, Mitchell, I, Passmore, P, & Litovski, I. (2005) Dynamics in Proportionate Selection, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 226–229.
- [55] Da Costa, L. E & Landry, J.-A. (2005) Generating Grammatical Plant Models with Genetic Algorithms, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 230–234.
- [56] Tavares, J, Pereira, F. B, & Costa, E. (2005) Golomb Rulers: Experiments with Marks Representation, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 235–238.
- [57] Tavares, J, Leitao, T, Pereira, F. B, & Costa, E. (2005) Evolving Segments Length in Golomb Rulers, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 239–242.
- [58] Silva, S, Silva, P. J. N, & Costa, E. (2005) Resource-Limited Genetic Programming: Replacing Tree Depth Limits, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 243–246.

- [59] Kilani, Y & Mohdzin, A. (2005) Treating some Constraints as Hard Speeds up the ESG Local Search Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 247–249.
- [60] Wang, L. M, Shi, X, Chen, G, Ge, H. W, Lee, H. P, & Liang, Y. C. (2005) Applications of PSO Algorithm and OIF Elman Neural Network to Assessment and Forecasting for Atmospheric Quality, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 250–254.
- [61] Machado, T. R & Lopes, H. S. (2005) A Hybrid Particle Swarm Optimization Model for the Traveling Salesman Problem, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 255–258.
- [62] Kaewkamnerdpong, B & Bentley, P. J. (2005) Perceptive Particle Swarm Optimisation, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 259–263.
- [63] Pinto, P, Runkler, T. A, & Sousa, J. M. (2005) Wasp Swarm Optimization of Logistic Systems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 264–267.
- [64] Schoeman, I. L & Engelbrecht, A. P. (2005) A Parallel Vector-Based Particle Swarm Optimizer, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 268–271.
- [65] Sicard, A, Ospina, J, & Velez, M. (2005) Numerical Simulations of a Possible Hypercomputational Quantum Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 272–275.
- [66] Udrescu, M, Prodan, L, & Vladutiu, M. (2005) Efficient Quantum Circuits Simulation with the Bubble Bit Technique, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 276–279.
- [67] Pereira, A & Rodrigues, R. (2005) Redundant Quantum Arithmetic, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 280–283.
- [68] Abualrub, T, Ghrayeb, A, & Zeng, X. (2005) A Special Class of Additive Cyclic Codes for DNA Computing, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 284–287.
- [69] Rocha, M, Neves, J, & Veloso, A. (2005) Evolutionary Algorithms for Static and Dynamic Optimization of Fed-batch Fermentation Processes, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 288–291.
- [70] Oliveira, R & Salcedo, R. (2005) Benchmark Testing of Simulated Annealing, Adaptive Random Search and Genetic Algorithms for the Global Optimization of Bioprocesses, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 292–295.
- [71] Teixeira, A, Cunha, A, Clemente, J, Alves, P. M, Carrondo, M. J. T, & Oliveira, R. (2005) Dynamic Modelling and Optimisation of a Ammalian Cells Process Using Hybrid Grey-box Systems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 296–299.
- [72] Oliveira, R, Cunha, A, Clemente, J, & Carrondo, M. J. T. (2005) Adaptive DO-based Control of Substrate Feeding in High Cell Density Cultures Operated under Oxygen Transfer Limitation, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 300–303.

- [73] Rocha, M, Cortez, P, & Neves, J. (2005) Evolutionary Design of Neural Networks for Classification and Regression, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 304–307.
- [74] Gangadhar, D. (2005) Pelican Protein-structure Alignment Using Cellular Automaton Models, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 308–311.
- [75] Brunetti, S, Dutta, D, Liberatori, S, Mori, E, & Varrazzo, D. (2005) An Efficient Algorithm for De Novo Peptide Sequencing, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 312–315.
- [76] Bisler, A. (2005) Emergent Behavior of Interacting Groups of Communicative Agents, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 316–320.
- [77] Krishna, A, Narayanan, A, & Keedwell, E. C. (2005) Reverse Engineering Gene Networks with Artificial Neural Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 325–328.
- [78] Barth, F & Gomi, E. (2005) A Meta-Level Architecture for Adaptive Applications, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 329–332.
- [79] Pistori, H, Martins, P. S, & de Castro, Jr., A. A. (2005) Adaptive Finite State Automata and Genetic Algorithms: Merging Individual Adaptation and Population Evolution, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 333–336.
- [80] Camolesi, A. R. (2005) Modeling a Tool for the Generation of Programming Environments for Adaptive Formalisms, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 337–340.
- [81] Pedrazzi, T. C, Tchemra, A. H, & Rocha, R. L. A. (2005) Adaptive Decision Tables: A Case Study of their Application to Decision-Taking Problems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 341–344.
- [82] de Abreu de Sousa, M. A & Hirakawa, A. R. (2005) Robotic Mapping and Navigation in Unknown Environments Using Adaptive Automata, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 345–348.
- [83] Neto, J. J & Silva, P. S. M. (2005) An Adaptive Framework for the Design of Software Specification Languages, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 349–352.
- [84] Li, Q, Shi, Z, & Shi, Z. (2005) Swarm Intelligence Clustering Algorithm Based on Attractor, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 353–356.
- [85] Silva, C. A, Sousa, J. M, Runkler, T, & da Costa, J. M. G. S. (2005) Ant-based Distributed Optimization for Supply Chain Management, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 357–360.
- [86] Honig, U & Schiffmann, W. (2005) Comparison of Nature Inspired and Deterministic Scheduling Heuristics Considering Optimal Schedules, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 361–364.
- [87] Acan, A & Gunay, A. (2005) An External Memory Supported ACO for the Frequency Assignment Problem, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 365–368.

- [88] Holena, M. (2005) Neural-Networks for Extraction of Fuzzy Logic Rules with Application to EEG Data, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 369–372.
- [89] Barzamini, R, Menhaj, M. B, Kamalvand, S, & Fasihi, M. A. (2005) A New Neuro-Based Method For Short Term Load Forecasting of Iran National Power System, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 373–376.
- [90] Viet, N & Kleiber, M. (2005) Approximating the Algebraic Solution of Systems of Interval Linear Equations with Use of Neural Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 377–380.
- [91] Rehor, D, Tozicka, J, & Slavik, P. (2005) Visualization of Meta-Reasoning in Multi-Agent Systems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 385–388.
- [92] Wu, C, Liang, Y, Lee, H, & Lu, C. (2005) Intelligent Agent Inspired Genetic Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 389–392.
- [93] Bontempi, G, Birattari, M, & Meyer, P. E. (2005) Combining Lazy Learning, Racing and Subsampling for Effective Feature Selection, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 393–396.
- [94] Kaklamanos, D. G & Margaritis, K. G. (2005) Personalized News Access, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 397–400.
- [95] Xin, R.-M & Zuo, W.-L. (2005) A More Accurate Text Classifier for Positive and Unlabeled Data, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 401–404.
- [96] Kawasnicka, H & Paradowski, M. (2005) Efficiency Aspects of Neural Network Architecture Evolution Using Direct and Indirect Encoding, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 405–408.
- [97] Hayward, S. (2005) Genetic Algorithm Optimization of an Artificial Neural Network for Financial Applications, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 409–416.
- [98] Vieira, A, Neves, J. C, & Ribeiro, B. (2005) A Method to Improve Generalization of Neural Networks: Application to the Problem of Bankruptcy Prediction, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 417–420.
- [99] Dantas, A & Seixas, J. (2005) An Adaptive Neural System for Financial Time Series Tracking, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 421–424.
- [100] Joshi, R, Reeves, C, & Johnston, C. (2005) Probabilistic Artificial Neural Networks for Malignant Melanoma Prognosis, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 425–428.
- [101] Kita, S, Maekawa, S, Ozawa, S, & Abe, S. (2005) Boosting Kernel Discriminant Analysis with Adaptive Kernel Selection, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 429–432.
- [102] Petra, K & Terezie, S. (2005) Product Kernel Regularization Networks, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 433–436.

- [103] Liu, Q, Sung, A. H, & Ribeiro, B. M. (2005) Statistical Correlations and Machine Learning for Steganalysis, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 437–440.
- [104] Doan, S & Horiguchi, S. (2005) The Use of Multi-Criteria in Feature Selection to Enhance Text Categorization, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 441–444.
- [105] Silva, C & Ribeiro, B. (2005) Text Classification from Partially Labeled Distributed Data, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 445–448.
- [106] Li, K, Li, Y, Teng, C, & Wang, Y. (2005) Solving The Roots of Cyclic-Code Generated Polynomial by Using Evolutionary Computation, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 449–453.
- [107] Corchado, E, Herrero, A, Baruque, B, & Saiz, J. M. (2005) Intrusion Detection System Based on a Cooperative Topology Preserving Method, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 454–457.
- [108] Mukkamala, S, Sung, A. H, & Ribeiro, B. M. (2005) Model Selection for Kernel Based Intrusion Detection Systems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 458–461.
- [109] Tamura, E, Busquets-Mataix, J. V, Martin, J. J. S, & Campoy, A. M. (2005) A Comparison of three Genetic Algorithms for Locking-cache Contents Selection in Real-Time Systems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 462–465.
- [110] Dongfeng, H & Wenhui, L. (2005) A Binary Digital Watermarking Scheme Based on the Orthogonal Vector and ICA-SCS Denoising, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 466–469.
- [111] Morita, S. (2005) Simulating Binocular Eye Movements Based on 3-D Short-Term Memory Image in Reading, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 470–473.
- [112] Cao, W, Xu, C, & Wang, S. (2005) An Algorithm For Face Pose Adjustment Based On Eye Location, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 474–477.
- [113] Rahnamayan, S, Tizhoosh, H. R, & Salama, M. (2005) Learning Image Filtering from a Gold Sample Based on Genetic On Genetic Optimization of Morphological processing, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 478–481.
- [114] Shirota, C, Barretto, M. Y, & Itiki, C. (2005) Associative Memories and Diagnostic Classification of EMG Signals, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 482–485.
- [115] Shibata, K. (2005) Discretization of Series of Communication Signals in Noisy Environment by Reinforcement Learning, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 486–489.
- [116] Cao, W, Pan, X, & Wang, S. (2005) The Research of Speaker-Independent Continuous Mandarin Chinese Digits Speech-Recognition Based on the Dynamic Search Method of High-Dimension Space Vertex Cover, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 490–493.
- [117] Marolt, M. (2005) A Connectionist Model of Finding Partial Groups in Music Recordings with Application to Music Transcription, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 494–497.

- [118] Kherallah, M, Bouri, F, & Alimi, M. A. (2005) Toward an On-Line Handwriting Recognition System Based on Visual Coding and Genetic Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 502–505.
- [119] Torres, D & Rocco, C. (2005) Assessing the Reliability of Complex Networks through Hybrid Intelligent Systems, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 510–513.
- [120] Vaculin, R & Neruda, R. (2005) Autonomous Behavior of Computational Agents, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 514–517.
- [121] Koutnik, J & Snorek, M. (2005) Neural Network Generating Hidden Markov Chain, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 518–521.
- [122] Ciglaric, M, M. Pancur, B. S, & Dobnikar, A. (2005) Datamining in Grid Environment, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 522–525.
- [123] Yoshikawa, M, Fujino, T, & Terai, H. (2005) Parallel Placement Procedure Based on Distributed Genetic Algorithms, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 526–529.
- [124] Lobo, F. G, Lima, C. F, & Martires, H. (2005) Massive Parallelization of the Compact Genetic Algorithm, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 530–533.
- [125] Lotric, U & Dobnikar, A. (2005) Parallel Implementations of Feed-forward Neural Network Using MPI and C# on .NET Platform, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 534–537.
- [126] Wagner, S & Affenzeller, M. (2005) HeuristicLab: A Generic and Extensible Optimization Environment, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 538–541.
- [127] Osterman, C, Rego, C, & Gamboa, D. (2005) The Satellite List: A Reversible Doubly-Linked List, Springer Computer Series eds. Ribeiro, B, Albrecht, R. F, Dobnikar, A, Pearson, D. W, & Steele, N. C. (Springer, Coimbra, Portugal), pp. 542–545.