

Список литературы

- [1] T. Abualrub, A. Ghrayeb, and X. Zeng, “A special class of additive cyclic codes for dna computing,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 284–287.
- [2] A. Acan and A. Gunay, “An external memory supported aco for the frequency assignment problem,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 365–368.
- [3] M. Affenzeller and S. Wagner, “Offspring selection: A new self-adaptive selection scheme for genetic algorithms,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 218–221.
- [4] A. Agrawal, I. Mitchell, P. Passmore, and I. Litovski, “Dynamics in proportionate selection,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 226–229.
- [5] H. Altincay, “An evidence theoretic ensemble design technique,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 66–69.
- [6] C. Avila, Y. Tsuji, and Y. Shiraishi, “Crack width prediction of rc structures by artificial neural networks,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 92–95.
- [7] F. Barth and E. Gomi, “A meta-level architecture for adaptive applications,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 329–332.
- [8] R. Barzamini, M. B. Menhaj, S. Kamalvand, and M. A. Fasihi, “A new neuro-based method for short term load forecasting of iran national power system,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 373–376.
- [9] S. I. Bauk, S. M. Perovich, and A. Lompar, “The linear approximation method to the modified hopfield neural network parameters analysis,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 29–32.
- [10] B. Beliczynski, “Certain comments on data preparation for neural networks based modelling,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 5–8.
- [11] W. Bellil, C. Amar, and A. Alimi, “Beta wavelet networks for function approximation,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 18–21.
- [12] Z. Bingul and H. M. Ertunc, “Applying neural network to inverse kinematic problem for 6r robot manipulator with offset wrist,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 112–115.

- [13] A. Bisler, “Emergent behavior of interacting groups of communicative agents,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 316–320.
- [14] G. Bontempi, M. Birattari, and P. E. Meyer, “Combining lazy learning, racing and subsampling for effective feature selection,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 393–396.
- [15] H. A. Boubacar, S. Lecoeuche, and S. Maouche, “Audyc neural network using a new gaussian densities merge mechanism,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 155–158.
- [16] F. Boudjemai, P. B. Enberg, and J. G. Postaire, “3d self organizing convex neural network architectures,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 164–167.
- [17] M. Boudour and A. Hellal, “The growing hierarchical self-organizing feature maps and genetic algorithms for large scale power system security,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 159–163.
- [18] M. Boumehraz and K. Benmahammed, “A switching controller for nonlinear systems via fuzzy models,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 120–123.
- [19] G. W. Braught, “Evolving evolvability: Evolving both representations and operators,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 185–188.
- [20] S. Brunetti, D. Dutta, S. Liberatori, E. Mori, and D. Varrazzo, “An efficient algorithm for de novo peptide sequencing,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 312–315.
- [21] A. R. Camolesi, “Modeling a tool for the generation of programming environments for adaptive formalisms,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 337–340.
- [22] W. Cao, X. Pan, and S. Wang, “The research of speaker-independent continuous mandarin chinese digits speech-recognition based on the dynamic search method of high-dimension space vertex cover,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 490–493.
- [23] W. Cao, C. Xu, and S. Wang, “An algorithm for face pose adjustment based on eye location,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 474–477.
- [24] M. Ciglaric, B. S. M. Pancur, and A. Dobnikar, “Datamining in grid environment,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 522–525.

- [25] E. Corchado, A. Herrero, B. Baroque, and J. M. Saiz, "Intrusion detection system based on a cooperative topology preserving method," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 454–457.
- [26] P. Cruz, "Speeding up backpropagation with multiplicative batch update step," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 22–24.
- [27] D. Curran and C. O’Riordan, "Evolving blackjack strategies using cultural learning," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 210–213.
- [28] L. E. Da Costa and J.-A. Landry, "Generating grammatical plant models with genetic algorithms," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 230–234.
- [29] A. Dantas and J. Seixas, "An adaptive neural system for financial time series tracking," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 421–424.
- [30] N. Davey, L. Calcraft, and R. Adams, "Associative memories with small world connectivity," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 74–77.
- [31] M. A. de Abreu de Sousa and A. R. Hirakawa, "Robotic mapping and navigation in unknown environments using adaptive automata," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 345–348.
- [32] S. Doan and S. Horiguchi, "The use of multi-criteria in feature selection to enhance text categorization," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 441–444.
- [33] K. A. J. Doherty, R. G. Adams, and N. Davey, "Hierarchical growing neural gas," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 140–143.
- [34] H. Dongfeng and L. Wenhui, "A binary digital watermarking scheme based on the orthogonal vector and ica-scs denoising," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 466–469.
- [35] J. Eidson, B. Hamilton, and V. Kanevsky, "Learning from randomly-distributed inaccurate measurements," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 54–61.
- [36] I. Gabrijel and A. Dobnikar, "On-line inference of finite automata in noisy environments," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 132–135.

- [37] D. Gangadhar, “Pelican - protein-structure alignment using cellular automaton models,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 308–311.
- [38] C. Garcia and J. Moreno, “An efficient heuristic for the traveling salesman problem based on a growing som-like algorithm,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 177–180.
- [39] A. Gaspar-Cunha, “A multi-objective evolutionary algorithm for solving traveling salesman problems: Application to the design of polymer extruders,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 189–193.
- [40] N. Gupta and V. K. Agrawal, “Two-criterion optimization in state assignment for synchronous finite state machines using nsga-ii,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 214–217.
- [41] S. Hayward, “Genetic algorithm optimization of an artificial neural network for financial applications,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 409–416.
- [42] M. Helle and H. Saxen, “A method for detecting cause-effects in data from complex processes,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 104–107.
- [43] M. Holena, “Neural-networks for extraction of fuzzy logic rules with application to eeg data,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 369–372.
- [44] U. Honig and W. Schiffmann, “Comparison of nature inspired and deterministic scheduling heuristics considering optimal schedules,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 361–364.
- [45] A. Horzyk, “Interval basis neural network,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 50–53.
- [46] O. Hoshino, “Cortical modulation of synaptic efficacies through norepinephrine,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 70–73.
- [47] M. Huk and H. Kwasnicka, “The concept and properties of sigma-if neural network,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 13–17.
- [48] M. Jankovic and H. Ogawa, “Time-oriented hierarchical method for computation of minor components,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 38–41.

- [49] J. Jedrzejowicz and P. Jedrzejowicz, "Implementation and experimental validation of the population learning algorithm applied to solving qap instances," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 198–201.
- [50] T. M. Jelleli and A. M. Alimi, "Improved hierarchical fuzzy control scheme," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 128–131.
- [51] P. Jonkergouw, E. Keedwell, and S.-T. Khu, "Modelling chlorine decay in water networks with genetic programming," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 206–209.
- [52] R. Joshi, C. Reeves, and C. Johnston, "Probabilistic artificial neural networks for malignant melanoma prognosis," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 425–428.
- [53] B. Kaewkamnerdpong and P. J. Bentley, "Perceptive particle swarm optimisation," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 259–263.
- [54] D. G. Kaklamanos and K. G. Margaritis, "Personalized news access," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 397–400.
- [55] H. Kawasnicka and M. Paradowski, "Efficiency aspects of neural network architecture evolution using direct and indirect encoding," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 405–408.
- [56] M. Kherallah, F. Bouri, and M. A. Alimi, "Toward an on-line handwriting recognition system based on visual coding and genetic algorithm," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 502–505.
- [57] Y. Kilani and A. Mohdizin, "Treating some constraints as hard speeds up the esg local search algorithm," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 247–249.
- [58] S. Kita, S. Maekawa, S. Ozawa, and S. Abe, "Boosting kernel discriminant analysis with adaptive kernel selection," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 429–432.
- [59] M. Koppen, R. Vicente-Garcia, and B. Nickolay, "The pareto-box problem for the modelling of evolutionary multiobjective optimization algorithms," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 194–197.
- [60] J. Koutnik and M. Snorek, "Neural network generating hidden markov chain," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 518–521.

- [61] A. Krishna, A. Narayanan, and E. C. Keedwell, "Reverse engineering gene networks with artificial neural networks," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 325–328.
- [62] J. Kubalik, "Using genetic algorithms with real-coded binary representation for solving non-stationary problems," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 222–225.
- [63] V. Kurkova, "Minimization of empirical error over perceptron networks," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 46–49.
- [64] B. Lamrini, A. Benhammou, A. Karama, and M.-V. L. Lann, "A neural network system for modelling of coagulant dosage used in drinking water treatment," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 96–99.
- [65] K. Li, Y. Li, C. Teng, and Y. Wang, "Solving the roots of cyclic-code generated polynomial by using evolutionary computation," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 449–453.
- [66] Q. Li, Z. Shi, and Z. Shi, "Swarm intelligence clustering algorithm based on attractor," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 353–356.
- [67] Q. Liu, A. H. Sung, and B. M. Ribeiro, "Statistical correlations and machine learning for steganalysis," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 437–440.
- [68] F. G. Lobo, C. F. Lima, and H. Martires, "Massive parallelization of the compact genetic algorithm," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 530–533.
- [69] U. Lotric and A. Dobnikar, "Parallel implementations of feed-forward neural network using mpi and c# on .net platform," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 534–537.
- [70] T. R. Machado and H. S. Lopes, "A hybrid particle swarm optimization model for the traveling salesman problem," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 255–258.
- [71] M. Marolt, "A connectionist model of finding partial groups in music recordings with application to music transcription," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 494–497.
- [72] K. Marzouki and T. Yamakawa, "Novel learning algorithm aiming at generating a unique units distribution in standard som," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 168–172.

- [73] U. Moller, "Estimating the number of clusters from distributional results of partitioning a given data set," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 151–154.
- [74] S. Morita, "Simulating binocular eye movements based on 3-d short-term memory image in reading," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 470–473.
- [75] S. Mukkamala, A. H. Sung, and B. M. Ribeiro, "Model selection for kernel based intrusion detection systems," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 458–461.
- [76] M. Murata and S. Ozawa, "A memory-based reinforcement learning model utilizing macro-actions," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 78–81.
- [77] J. J. Neto and P. S. M. Silva, "An adaptive framework for the design of software specification languages," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 349–352.
- [78] H. Niska, T. Hiltunen, A. Karppinen, and M. Kolehmainen, "Evolutionary design and evaluation of modeling system for forecasting urban airborne maximum pollutant concentrations," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 181–184.
- [79] T. Ohba and M. Ishida, "Competitive decentralized autonomous neural net controllers," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 124–127.
- [80] R. Oliveira, A. Cunha, J. Clemente, and M. J. T. Carrondo, "Adaptive do-based control of substrate feeding in high cell density cultures operated under oxygen transfer limitation," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 300–303.
- [81] R. Oliveira and R. Salcedo, "Benchmark testing of simulated annealing, adaptive random search and genetic algorithms for the global optimization of bioprocesses," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 292–295.
- [82] C. Osterman, C. Rego, and D. Gamboa, "The satellite list: A reversible doubly-linked list," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 542–545.
- [83] D. Palmer-Brown and M. Kang, "Adfunn: An adaptive function neural network," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 1–4.
- [84] D. W. Pearson and M. Batton-Hubert, "Improved clustering by rotation of cluster centres," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 136–139.

- [85] C. C. Peck, J. Kozloski, G. A. Cecchi, and A. R. Rao, "A biologically motivated classifier that preserves implicit relationship information in layered networks," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 82–85.
- [86] T. C. Pedrazzi, A. H. Tchemra, and R. L. A. Rocha, "Adaptive decision tables: A case study of their application to decision-taking problems," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 341–344.
- [87] A. Pereira and R. Rodrigues, "Redundant quantum arithmetic," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 280–283.
- [88] S. M. Perovich, S. I. Bauk, and N. Konjevic, "The analytical analysis of hopfield neuron parameters by the application of special trans function theory," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 33–37.
- [89] K. Petra and S. Terezia, "Product kernel regularization networks," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 433–436.
- [90] P. Pinto, T. A. Runkler, and J. M. Sousa, "Wasp swarm optimization of logistic systems," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 264–267.
- [91] H. Pistori, P. S. Martins, and A. A. de Castro, Jr., "Adaptive finite state automata and genetic algorithms: Merging individual adaptation and population evolution," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 333–336.
- [92] S. Rahnamayan, H. R. Tizhoosh, and M. Salama, "Learning image filtering from a gold sample based on genetic on genetic optimization of morphological processing," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 478–481.
- [93] R. Rastegar, A. Hariri, and M. Meybodi, "A fuzzy clustering algorithm using cellular learning automata based evolutionary algorithm," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 144–150.
- [94] D. Rehor, J. Tozicka, and P. Slavik, "Visualization of meta-reasoning in multi-agent systems," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 385–388.
- [95] M. Rocha, P. Cortez, and J. Neves, "Evolutionary design of neural networks for classification and regression," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 304–307.

- [96] M. Rocha, J. Neves, and A. Veloso, "Evolutionary algorithms for static and dynamic optimization of fed-batch fermentation processes," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 288–291.
- [97] M. Ronnholm, K. Arve, K. Eranen, F. Klingstedt, T. Salmi, H. Saxen, and J. Westerholm, "Ann modeling applied to nox reduction with octane. ann future in personal vehicles," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 100–103.
- [98] H. Saxen and F. Pettersson, "A simple method for selection of inputs and structure of feedforward neural networks," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 9–12.
- [99] I. L. Schoeman and A. P. Engelbrecht, "A parallel vector-based particle swarm optimizer," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 268–271.
- [100] S. Shakya, J. McCall, and D. F. Brown, "Estimating the distribution in an eda," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 202–205.
- [101] K. Shibata, "Discretization of series of communication signals in noisy environment by reinforcement learning," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 486–489.
- [102] C. Shirota, M. Y. Barretto, and C. Itiki, "Associative memories and diagnostic classification of emg signals," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 482–485.
- [103] A. Sicard, J. Ospina, and M. Velez, "Numerical simulations of a possible hypercomputational quantum algorithm," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 272–275.
- [104] C. Silva and B. Ribeiro, "Text classification from partially labeled distributed data," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 445–448.
- [105] C. A. Silva, J. M. Sousa, T. Runkler, and J. M. G. S. da Costa, "Ant-based distributed optimization for supply chain management," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 357–360.
- [106] S. Silva, P. J. N. Silva, and E. Costa, "Resource-limited genetic programming: Replacing tree depth limits," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 243–246.
- [107] J. Sima, "Generating sequential triangle strips by using hopfield nets," in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 25–28.

- [108] H. Soula, G. Beslon, and J. Favrel, “Evolution versus learning in temporal neural networks,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 42–45.
- [109] H. Sun, “Combining topological and cardinal directional relation information in qsr,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 62–65.
- [110] T. Tambouratzis, “Som-based estimation of meteorological profiles,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 173–176.
- [111] E. Tamura, J. V. Busquets-Mataix, J. J. S. Martin, and A. M. Campoy, “A comparison of three genetic algorithms for locking-cache contents selection in real-time systems,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 462–465.
- [112] J. Tavares, T. Leitao, F. B. Pereira, and E. Costa, “Evolving segments length in golomb rulers,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 239–242.
- [113] J. Tavares, F. B. Pereira, and E. Costa, “Golomb rulers: Experiments with marks representation,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 235–238.
- [114] A. Teixeira, A. Cunha, J. Clemente, P. M. Alves, M. J. T. Carrondo, and R. Oliveira, “Dynamic modelling and optimisation of a ammalian cells process using hybrid grey-box systems,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 296–299.
- [115] D. Torres and C. Rocco, “Assessing the reliability of complex networks through hybrid intelligent systems,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 510–513.
- [116] M. Trebar and U. Lotric, “Predictive data mining on rubber compound database,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 108–111.
- [117] M. Udrescu, L. Prodan, and M. Vladutiu, “Efficient quantum circuits simulation with the bubble bit technique,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 276–279.
- [118] R. Vaculin and R. Neruda, “Autonomous behavior of computational agents,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 514–517.
- [119] A. Vieira, J. C. Neves, and B. Ribeiro, “A method to improve generalization of neural networks: Application to the problem of bankruptcy prediction,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 417–420.

- [120] N. Viet and M. Kleiber, “Approximating the algebraic solution of systems of interval linear equations with use of neural networks,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 377–380.
- [121] S. Wagner and M. Affenzeller, “Heuristiclab: A generic and extensible optimization environment,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 538–541.
- [122] L. M. Wang, X. Shi, G. Chen, H. W. Ge, H. P. Lee, and Y. C. Liang, “Applications of pso algorithm and oif elman neural network to assessment and forecasting for atmospheric quality,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 250–254.
- [123] C. Wu, Y. Liang, H. Lee, and C. Lu, “Intelligent agent inspired genetic algorithm,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 389–392.
- [124] R.-M. Xin and W.-L. Zuo, “A more accurate text classifier for positive and unlabeled data,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 401–404.
- [125] Y. Yatsuzuka and Y. Ho, “Large scale hetero-associative networks with very high classification ability and attractor discrimination consisting of cumulative-learned 3-layer neural networks,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 86–91.
- [126] M. Yoshikawa, T. Fujino, and H. Terai, “Parallel placement procedure based on distributed genetic algorithms,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 526–529.
- [127] L. Zhang, J. Sitte, and U. Rueckert, “Local cluster neural network chip for control,” in *Adaptive and Natural Computing Algorithms*, ser. Springer Computer Series, B. Ribeiro, R. F. Albrecht, A. Dobnikar, D. W. Pearson, and N. C. Steele, Eds. Coimbra, Portugal: Springer, 21-23 March 2005, pp. 116–119.