

## Список литературы

- [Abualrub *et al.*(2005)Abualrub, Ghrayeb & Zeng] ABUALRUB, T., GHRA YEB, A. & ZENG, X. (2005). A special class of additive cyclic codes for dna computing. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Acan & Gunay(2005)] ACAN, A. & GUNAY, A. (2005). An external memory supported aco for the frequency assignment problem. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Affenzeller & Wagner(2005)] AFFENZELLER, M. & WAGNER, S. (2005). Offspring selection: A new self-adaptive selection scheme for genetic algorithms. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Agrawal *et al.*(2005)Agrawal, Mitchell, Passmore & Litovski] AGRAWAL, A., MITCHELL, I., PASSMORE, P. & LITOVSKI, I. (2005). Dynamics in proportionate selection. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Altincay(2005)] ALTINCAY, H. (2005). An evidence theoretic ensemble design technique. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Avila *et al.*(2005)Avila, Tsuji & Shiraishi] AVILA, C., TSUJI, Y. & SHIRAISHI, Y. (2005). Crack width prediction of rc structures by artificial neural networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Barth & Gomi(2005)] BARTH, F. & GOMI, E. (2005). A meta-level architecture for adaptive applications. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Barzamini *et al.*(2005)Barzamini, Menhaj, Kamalvand & Fasihi] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Bauk *et al.*(2005)Bauk, Perovich & Lompar] BAUK, S. I., PEROVICH, S. M. & LOMPAR, A. (2005). The linear approximation method to the modified hopfield neural network parameters analysis. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Beliczynski(2005)] BELICZYNSKI, B. (2005). Certain comments on data preparation for neural networks based modelling. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Bellil *et al.*(2005)Bellil, Amar & Alimi] BELLIL, W., AMAR, C. & ALIMI, A. (2005). Beta wavelet networks for function approximation. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Bingul & Ertunc(2005)] BINGUL, Z. & ERTUNC, H. M. (2005). Applying neural network to inverse kinematic problem for 6r robot manipulator with offset wrist. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Bisler(2005)] BISLER, A. (2005). Emergent behavior of interacting groups of communicative agents. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Bontempi *et al.*(2005)Bontempi, Birattari & Meyer] BONTEMPI, G., BIRATTARI, M. & MEYER, P. E. (2005). Combining lazy learning, racing and subsampling for effective feature selection. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Boubacar *et al.*(2005)Boubacar, Lecoeuche & Maouche] BOUBACAR, H. A., LECOEUCHE, S. & MAOUCHE, S. (2005). Audyc neural network using a new gaussian densities merge mechanism. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Boudjemai *et al.*(2005)Boudjemai, Enberg & Postaire] BOUDJEMAI, F., ENBERG, P. B. & POSTAIRE, J. G. (2005). 3d self organizing convex neural network architectures. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Boudour & Hellal(2005)] BOUDOUR, M. & HELLAL, A. (2005). The growing hierarchical self-organizing feature maps and genetic algorithms for large scale power system security. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Boumechraz & Benmahammed(2005)] BOUMEHRAZ, M. & BENMAHAMMED, K. (2005). A switching controller for nonlinear systems via fuzzy models. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Braught(2005)] BRAUGHT, G. W. (2005). Evolving evolvability: Evolving both representations and operators. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Brunetti *et al.*(2005)Brunetti, Dutta, Liberatori, Mori & Varrazzo] BRUNETTI, S., DUTTA, D., LIBERATORI, S., MORI, E. & VARRAZZO, D. (2005). An efficient algorithm for de novo peptide sequencing. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Camosesi(2005)] CAMOLESI, A. R. (2005). Modeling a tool for the generation of programming environments for adaptive formalisms. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Cao *et al.*(2005a)Cao, Pan & Wang] CAO, W., PAN, X. & 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: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Cao *et al.*(2005b)Cao, Xu & Wang] CAO, W., XU, C. & WANG, S. (2005b). An algorithm for face pose adjustment based on eye location. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Ciglaric *et al.*(2005)Ciglaric, M. Pancur & Dobnikar] CIGLARIC, M., M. PANCUR, B. S. & DOBNIKAR, A. (2005). Datamining in grid environment. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Corchado *et al.*(2005)Corchado, Herrero, Baruque & Saiz] CORCHADO, E., HERRERO, A., BARUQUE, B. & SAIZ, J. M. (2005). Intrusion detection system based on a cooperative topology preserving method. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Cruz(2005)] CRUZ, P. (2005). Speeding up backpropagation with multiplicative batch update step. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Curran & O’Riordan(2005)] CURRAN, D. & O’RIORDAN, C. (2005). Evolving blackjack strategies using cultural learning. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Da Costa & Landry(2005)] DA COSTA, L. E. & LANDRY, J.-A. (2005). Generating grammatical plant models with genetic algorithms. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Dantas & Seixas(2005)] DANTAS, A. & SEIXAS, J. (2005). An adaptive neural system for financial time series tracking. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Davey *et al.*(2005)Davey, Calcrafft & Adams] DAVEY, N., CALCRAFT, L. & ADAMS, R. (2005). Associative memories with small world connectivity. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [de Abreu de Sousa & Hirakawa(2005)] DE ABREU DE SOUSA, M. A. & HIRAKAWA, A. R. (2005). Robotic mapping and navigation in unknown environments using adaptive automata. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Doan & Horiguchi(2005)] DOAN, S. & HORIGUCHI, S. (2005). The use of multi-criteria in feature selection to enhance text categorization. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Doherty *et al.*(2005)Doherty, Adams & Davey] DOHERTY, K. A. J., ADAMS, R. G. & DAVEY, N. (2005). Hierarchical growing neural gas. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Dongfeng & Wenhui(2005)] DONGFENG, H. & WENHUI, L. (2005). A binary digital watermarking scheme based on the orthogonal vector and ica-scs denoising. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Eidson *et al.*(2005)] EIDSON, J., HAMILTON, B. & KANEVSKY, V. (2005). Learning from randomly-distributed inaccurate measurements. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Gabrijel & Dobnikar(2005)] GABRIJEL, I. & DOBNIKAR, A. (2005). On-line inference of finite automata in noisy environments. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Gangadhar(2005)] GANGADHAR, D. (2005). Pelican - protein-structure alignment using cellular automaton models. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Garcia & Moreno(2005)] GARCIA, C. & MORENO, J. (2005). An efficient heuristic for the traveling salesman problem based on a growing som-like algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. 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: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Gupta & Agrawal(2005)] GUPTA, N. & AGRAWAL, V. K. (2005). Two-criterion optimization in state assignment for synchronous finite state machines using nsga-ii. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Hayward(2005)] HAYWARD, S. (2005). Genetic algorithm optimization of an artificial neural network for financial applications. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Helle & Saxen(2005)] HELLE, M. & SAXEN, H. (2005). A method for detecting cause-effects in data from complex processes. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Holena(2005)] HOLENA, M. (2005). Neural-networks for extraction of fuzzy logic rules with application to eeg data. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Honig & Schiffmann(2005)] HONIG, U. & SCHIFFMANN, W. (2005). Comparison of nature inspired and deterministic scheduling heuristics considering optimal schedules. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Horzyk(2005)] HORZYK, A. (2005). Interval basis neural network. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Hoshino(2005)] HOSHINO, O. (2005). Cortical modulation of synaptic efficacies through norepinephrine. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Huk & Kwasnicka(2005)] HUK, M. & KWASNICKA, H. (2005). The concept and properties of sigma-if neural network. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Jankovic & Ogawa(2005)] JANKOVIC, M. & OGAWA, H. (2005). Time-oriented hierarchical method for computation of minor components. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Jedrzejowicz & Jedrzejowicz(2005)] JEDRZEJOWICZ, J. & JEDRZEJOWICZ, P. (2005). Implementation and experimental validation of the population learning algorithm applied to solving qap instances. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Jelleli & Alimi(2005)] JELLELI, T. M. & ALIMI, A. M. (2005). Improved hierarchical fuzzy control scheme. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Jonkergouw *et al.*(2005)Jonkergouw, Keedwell & Khu] JONKERGOUW, P., KEEDWELL, E. & KHU, S.-T. (2005). Modelling chlorine decay in water networks with genetic programming. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Joshi *et al.*(2005)Joshi, Reeves & Johnston] JOSHI, R., REEVES, C. & JOHNSTON, C. (2005). Probabilistic artificial neural networks for malignant melanoma prognosis. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kaewkamnerdpong & Bentley(2005)] KAEWKAMNERDPONG, B. & BENTLEY, P. J. (2005). Perceptive particle swarm optimisation. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kaklamanos & Margaritis(2005)] KAKLAMANOS, D. G. & MARGARITIS, K. G. (2005). Personalized news access. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kwasnicka & Paradowski(2005)] KAWASNICKA, H. & PARADOWSKI, M. (2005). Efficiency aspects of neural network architecture evolution using direct and indirect encoding. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kherallah *et al.*(2005)Kherallah, Bouri & Alimi] KHERALLAH, M., BOURI, F. & ALIMI, M. A. (2005). Toward an on-line handwriting recognition system based on visual coding and genetic algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kilani & Mohdzin(2005)] KILANI, Y. & MOHDZIN, A. (2005). Treating some constraints as hard speeds up the esg local search algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kita *et al.*(2005)Kita, Maekawa, Ozawa & Abe] KITA, S., MAEKAWA, S., OZAWA, S. & ABE, S. (2005). Boosting kernel discriminant analysis with adaptive kernel selection. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Koppen *et al.*(2005)Koppen, Vicente-Garcia & Nickolay] KOPPEN, M., VICENTE-GARCIA, R. & NICKOLAY, B. (2005). The pareto-box problem for the modelling of evolutionary multiobjective optimization algorithms. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Koutnik & Snorek(2005)] KOUTNIK, J. & SNOREK, M. (2005). Neural network generating hidden markov chain. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Krishna *et al.*(2005)Krishna, Narayanan & Keedwell] KRISHNA, A., NARAYANAN, A. & KEEDWELL, E. C. (2005). Reverse engineering gene networks with artificial neural networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kubalik(2005)] KUBALIK, J. (2005). Using genetic algorithms with real-coded binary representation for solving non-stationary problems. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Kurkova(2005)] KURKOVA, V. (2005). Minimization of empirical error over perceptron networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Lamrini *et al.*(2005)Lamrini, Benhammou, Karama & Lann] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Li *et al.*(2005a)Li, Li, Teng & Wang] LI, K., LI, Y., TENG, C. & WANG, Y. (2005a). Solving the roots of cyclic-code generated polynomial by using evolutionary computation. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Li *et al.*(2005b)Li, Shi & Shi] LI, Q., SHI, Z. & SHI, Z. (2005b). Swarm intelligence clustering algorithm based on attractor. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Liu *et al.*(2005)Liu, Sung & Ribeiro] LIU, Q., SUNG, A. H. & RIBEIRO, B. M. (2005). Statistical correlations and machine learning for steganalysis. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Lobo *et al.*(2005)Lobo, Lima & Martires] LOBO, F. G., LIMA, C. F. & MARTIRES, H. (2005). Massive parallelization of the compact genetic algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Lotric & Dobnikar(2005)] LOTRIC, U. & DOBNIKAR, A. (2005). Parallel implementations of feed-forward neural network using mpi and c# on .net platform. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Machado & Lopes(2005)] MACHADO, T. R. & LOPES, H. S. (2005). A hybrid particle swarm optimization model for the traveling salesman problem. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Marolt(2005)] MAROLT, M. (2005). A connectionist model of finding partial groups in music recordings with application to music transcription. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Marzouki & Yamakawa(2005)] MARZOUKI, K. & YAMAKAWA, T. (2005). Novel learning algorithm aiming at generating a unique units distribution in standard som. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Moller(2005)] MOLLER, U. (2005). Estimating the number of clusters from distributional results of partitioning a given data set. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Morita(2005)] MORITA, S. (2005). Simulating binocular eye movements based on 3-d short-term memory image in reading. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Mukkamala *et al.*(2005)Mukkamala, Sung & Ribeiro] MUKKAMALA, S., SUNG, A. H. & RIBEIRO, B. M. (2005). Model selection for kernel based intrusion detection systems. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Murata & Ozawa(2005)] MURATA, M. & OZAWA, S. (2005). A memory-based reinforcement learning model utilizing macro-actions. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Neto & Silva(2005)] NETO, J. J. & SILVA, P. S. M. (2005). An adaptive framework for the design of software specification languages. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Niska *et al.*(2005)Niska, Hiltunen, Karppinen & Kolehmainen] NISKA, H., HILTUNEN, T., KARPPINEN, A. & KOLEHMAINEN, M. (2005). Evolutionary design and evaluation of modeling system for forecasting urban airborne maximum pollutant concentrations. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Ohba & Ishida(2005)] OHBA, T. & ISHIDA, M. (2005). Competitive decentralized autonomous neural net controllers. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Oliveira *et al.*(2005)Oliveira, Cunha, Clemente & Carrondo] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Oliveira & Salcedo(2005)] OLIVEIRA, R. & SALCEDO, R. (2005). Benchmark testing of simulated annealing, adaptive random search and genetic algorithms for the global optimization of bioprocesses. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Osterman *et al.*(2005)Osterman, Rego & Gamboa] OSTERMAN, C., REGO, C. & GAMBOA, D. (2005). The satellite list: A reversible doubly-linked list. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Palmer-Brown & Kang(2005)] PALMER-BROWN, D. & KANG, M. (2005). Adfunn: An adaptive function neural network. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Pearson & Batton-Hubert(2005)] PEARSON, D. W. & BATTON-HUBERT, M. (2005). Improved clustering by rotation of cluster centres. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Peck *et al.*(2005)Peck, Kozloski, Cecchi & Rao] PECK, C. C., KOZLOSKI, J., CECCHI, G. A. & RAO, A. R. (2005). A biologically motivated classifier that preserves implicit relationship information in layered networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Pedrazzi *et al.*(2005)Pedrazzi, Tchemra & Rocha] PEDRAZZI, T. C., TCHEMRA, A. H. & ROCHA, R. L. A. (2005). Adaptive decision tables: A case study of their application to decision-taking problems. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Pereira & Rodrigues(2005)] PEREIRA, A. & RODRIGUES, R. (2005). Redundant quantum arithmetic. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Perovich *et al.*(2005)Perovich, Bauk & Konjevic] PEROVICH, S. M., BAUK, S. I. & KONJEVIC, N. (2005). The analytical analysis of hopfield neuron parameters by the application of special trans function theory. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Petra & Terezie(2005)] PETRA, K. & TEREZIE, S. (2005). Product kernel regularization networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Pinto *et al.*(2005)Pinto, Runkler & Sousa] PINTO, P., RUNKLER, T. A. & SOUSA, J. M. (2005). Wasp swarm optimization of logistic systems. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Pistori *et al.*(2005)Pistori, Martins & de Castro, Jr.] PISTORI, H., MARTINS, P. S. & DE CASTRO, JR., A. A. (2005). Adaptive finite state automata and genetic algorithms: Merging individual adaptation and population evolution. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Rahnamayan *et al.*(2005)Rahnamayan, Tizhoosh & Salama] RAHNAMEYAN, S., TIZHOOSH, H. R. & SALAMA, M. (2005). Learning image filtering from a gold sample based on genetic on genetic optimization of morphological processing. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.



- [Rastegar *et al.*(2005)Rastegar, Hariri & Meybodi] RASTEGAR, R., HARIRI, A. & MEYBODI, M. (2005). A fuzzy clustering algorithm using cellular learning automata based evolutionary algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Rehor *et al.*(2005)Rehor, Tozicka & Slavik] REHOR, D., TOZICKA, J. & SLAVIK, P. (2005). Visualization of meta-reasoning in multi-agent systems. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Rocha *et al.*(2005a)Rocha, Cortez & Neves] ROCHA, M., CORTEZ, P. & NEVES, J. (2005a). Evolutionary design of neural networks for classification and regression. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Rocha *et al.*(2005b)Rocha, Neves & Veloso] ROCHA, M., NEVES, J. & VELOSO, A. (2005b). Evolutionary algorithms for static and dynamic optimization of fed-batch fermentation processes. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Ronnholm *et al.*(2005)Ronnholm, Arve, Eranen, Klingstedt, Salmi, Saxen & Westerholm] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Saxen & Pettersson(2005)] SAXEN, H. & PETTERSSON, F. (2005). A simple method for selection of inputs and structure of feedforward neural networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Schoeman & Engelbrecht(2005)] SCHOEMAN, I. L. & ENGELBRECHT, A. P. (2005). A parallel vector-based particle swarm optimizer. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Shakya *et al.*(2005)Shakya, McCall & Brown] SHAKYA, S., MCCALL, J. & BROWN, D. F. (2005). Estimating the distribution in an eda. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Shibata(2005)] SHIBATA, K. (2005). Discretization of series of communication signals in noisy environment by reinforcement learning. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Shirota *et al.*(2005)Shirota, Barretto & Itiki] SHIROTA, C., BARRETTO, M. Y. & ITIKI, C. (2005). Associative memories and diagnostic classification of emg signals. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Sicard *et al.*(2005)Sicard, Ospina & Velez] SICARD, A., OSPINA, J. & VELEZ, M. (2005). Numerical simulations of a possible hypercomputational quantum algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Silva & Ribeiro(2005)] SILVA, C. & RIBEIRO, B. (2005). Text classification from partially labeled distributed data. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Silva *et al.*(2005a)Silva, Sousa, Runkler & da Costa] SILVA, C. A., SOUSA, J. M., RUNKLER, T. & DA COSTA, J. M. G. S. (2005a). Ant-based distributed optimization for supply chain management. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Silva *et al.*(2005b)Silva, Silva & Costa] SILVA, S., SILVA, P. J. N. & COSTA, E. (2005b). Resource-limited genetic programming: Replacing tree depth limits. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Sima(2005)] SIMA, J. (2005). Generating sequential triangle strips by using hopfield nets. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Soula *et al.*(2005)Soula, Beslon & Favrel] SOULA, H., BESLON, G. & FAVREL, J. (2005). Evolution versus learning in temporal neural networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Sun(2005)] SUN, H. (2005). Combining topological and cardinal directional relation information in qsr. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Tambouratzis(2005)] TAMBOURATZIS, T. (2005). Som-based estimation of meteorological profiles. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Tamura *et al.*(2005)Tamura, Busquets-Mataix, Martin & Campoy] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Tavares *et al.*(2005a)Tavares, Leitao, Pereira & Costa] TAVARES, J., LEITAO, T., PEREIRA, F. B. & COSTA, E. (2005a). Evolving segments length in golomb rulers. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Tavares *et al.*(2005b)Tavares, Pereira & Costa] TAVARES, J., PEREIRA, F. B. & COSTA, E. (2005b). Golomb rulers: Experiments with marks representation. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Teixeira *et al.*(2005)Teixeira, Cunha, Clemente, Alves, Carrondo & Oliveira] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

- [Torres & Rocco(2005)] TORRES, D. & ROCCO, C. (2005). Assessing the reliability of complex networks through hybrid intelligent systems. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Trebar & Lotric(2005)] TREBAR, M. & LOTRIC, U. (2005). Predictive data mining on rubber compound database. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Udrescu *et al.*(2005)Udrescu, Prodan & Vladutiu] UDRESCU, M., PRODAN, L. & VLADUTIU, M. (2005). Efficient quantum circuits simulation with the bubble bit technique. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Vaculin & Neruda(2005)] VACULIN, R. & NERUDA, R. (2005). Autonomous behavior of computational agents. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Vieira *et al.*(2005)Vieira, Neves & Ribeiro] VIEIRA, A., NEVES, J. C. & RIBEIRO, B. (2005). A method to improve generalization of neural networks: Application to the problem of bankruptcy prediction. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Viet & Kleiber(2005)] VIET, N. & KLEIBER, M. (2005). Approximating the algebraic solution of systems of interval linear equations with use of neural networks. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Wagner & Affenzeller(2005)] WAGNER, S. & AFFENZELLER, M. (2005). Heuristiclab: A generic and extensible optimization environment. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Wang *et al.*(2005)Wang, Shi, Chen, Ge, Lee & Liang] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Wu *et al.*(2005)Wu, Liang, Lee & Lu] WU, C., LIANG, Y., LEE, H. & LU, C. (2005). Intelligent agent inspired genetic algorithm. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Xin & Zuo(2005)] XIN, R.-M. & ZUO, W.-L. (2005). A more accurate text classifier for positive and unlabeled data. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Yatsuzuka & Ho(2005)] 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. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.
- [Yoshikawa *et al.*(2005)Yoshikawa, Fujino & Terai] YOSHIKAWA, M., FUJINO, T. & TERA, H. (2005). Parallel placement procedure based on distributed genetic algorithms. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.

[Zhang *et al.*(2005)Zhang, Sitte & Rueckert] ZHANG, L., SITTE, J. & RUECKERT, U. (2005). Local cluster neural network chip for control. In: *Adaptive and Natural Computing Algorithms* (RIBEIRO, B., ALBRECHT, R. F., DOBNIKAR, A., PEARSON, D. W. & STEELE, N. C., eds.), Springer Computer Series. Coimbra, Portugal: Springer.