Список литературы

- [Abualrub et al.(2005) Abualrub, Ghrayeb and Zeng] Abualrub, T., Ghrayeb, A. and Zeng, X. (2005) 'A special class of additive cyclic codes for dna computing'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 284–287.
- [Acan and Gunay(2005)] Acan, A. and Gunay, A. (2005) 'An external memory supported aco for the frequency assignment problem'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 365–368.
- [Affenzeller and Wagner (2005)] Affenzeller, M. and Wagner, S. (2005) 'Offspring selection: A new self-adaptive selection scheme for genetic algorithms'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 218–221.
- [Agrawal et al.(2005) Agrawal, Mitchell, Passmore and Litovski] Agrawal, A., Mitchell, I., Passmore,
 P. and Litovski, I. (2005) 'Dynamics in proportionate selection'. In B. Ribeiro, R.F. Albrecht,
 A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms,
 Springer Computer Series. Coimbra, Portugal: Springer, pp. 226–229.
- [Altincay(2005)] Altincay, H. (2005) 'An evidence theoretic ensemble design technique'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 66–69.
- [Avila et al.(2005)Avila, Tsuji and Shiraishi] Avila, C., Tsuji, Y. and Shiraishi, Y. (2005) 'Crack width prediction of rc structures by artificial neural networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 92–95.
- [Barth and Gomi(2005)] Barth, F. and Gomi, E. (2005) 'A meta-level architecture for adaptive applications'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 329–332.
- [Barzamini et al.(2005)Barzamini, Menhaj, Kamalvand and Fasihi] Barzamini, R., Menhaj, M.B., Kamalvand, S. and Fasihi, M.A. (2005) 'A new neuro-based method for short term load forecasting of iran national power system'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 373–376.
- [Bauk et al.(2005)Bauk, Perovich and Lompar] Bauk, S.I., Perovich, S.M. and Lompar, A. (2005) 'The linear approximation method to the modified hopfield neural network parameters analysis'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 29–32.
- [Beliczynski (2005)] Beliczynski, B. (2005) 'Certain comments on data preparation for neural networks based modelling'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 5–8.
- [Bellil et al.(2005)Bellil, Amar and Alimi] Bellil, W., Amar, C. and Alimi, A. (2005) 'Beta wavelet networks for function approximation'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 18–21.
- [Bingul and Ertunc(2005)] Bingul, Z. and Ertunc, H.M. (2005) 'Applying neural network to inverse kinematic problem for 6r robot manipulator with offset wrist'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 112–115.

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

- [Ciglaric et al.(2005)Ciglaric, M. Pancur and Dobnikar] Ciglaric, M., M. Pancur, B.S. and Dobnikar, A. (2005) 'Datamining in grid environment'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 522–525.
- [Corchado et al.(2005)Corchado, Herrero, Baruque and Saiz] Corchado, E., Herrero, A., Baruque, B. and Saiz, J.M. (2005) 'Intrusion detection system based on a cooperative topology preserving method'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 454–457.
- [Cruz(2005)] Cruz, P. (2005) 'Speeding up backpropagation with multiplicative batch update step'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 22– 24.
- [Curran and O'Riordan(2005)] Curran, D. and O'Riordan, C. (2005) 'Evolving blackjack strategies using cultural learning'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 210–213.
- [Da Costa and Landry(2005)] Da Costa, L.E. and Landry, J.A. (2005) 'Generating grammatical plant models with genetic algorithms'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 230–234.
- [Dantas and Seixas(2005)] Dantas, A. and Seixas, J. (2005) 'An adaptive neural system for financial time series tracking'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 421–424.
- [Davey et al.(2005)Davey, Calcraft and Adams] Davey, N., Calcraft, L. and Adams, R. (2005) 'Associative memories with small world connectivity'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 74–77.
- [de Abreu de Sousa and Hirakawa (2005)] de Abreu de Sousa, M.A. and Hirakawa, A.R. (2005) 'Robotic mapping and navigation in unknown environments using adaptive automata'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 345–348.
- [Doan and Horiguchi(2005)] Doan, S. and Horiguchi, S. (2005) 'The use of multi-criteria in feature selection to enhance text categorization'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 441–444.
- [Doherty et al. (2005) Doherty, Adams and Davey] Doherty, K.A.J., Adams, R.G. and Davey, N. (2005) 'Hierarchical growing neural gas'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 140–143.
- [Dongfeng and Wenhui(2005)] Dongfeng, H. and Wenhui, L. (2005) 'A binary digital watermarking scheme based on the orthogonal vector and ica-scs denoising'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 466–469.
- [Eidson et al.(2005)Eidson, Hamilton and Kanevsky] Eidson, J., Hamilton, B. and Kanevsky, V. (2005) 'Learning from randomly-distributed inaccurate measurements'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 54–61.

- [Gabrijel and Dobnikar(2005)] Gabrijel, I. and Dobnikar, A. (2005) 'On-line inference of finite automata in noisy environments'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 132–135.
- [Gangadhar(2005)] Gangadhar, D. (2005) 'Pelican protein-structure alignment using cellular automaton models'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 308–311.
- [Garcia and Moreno(2005)] Garcia, C. and Moreno, J. (2005) 'An efficient heuristic for the traveling salesman problem based on a growing som-like algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 177–180.
- [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 B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 189–193.
- [Gupta and Agrawal (2005)] Gupta, N. and Agrawal, V.K. (2005) 'Two-criterion optimization in state assignment for synchronous finite state machines using nsga-ii'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 214–217.
- [Hayward (2005)] Hayward, S. (2005) 'Genetic algorithm optimization of an artificial neural network for financial applications'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 409–416.
- [Helle and Saxen(2005)] Helle, M. and Saxen, H. (2005) 'A method for detecting cause-effects in data from complex processes'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 104–107.
- [Holena(2005)] Holena, M. (2005) 'Neural-networks for extraction of fuzzy logic rules with application to eeg data'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 369–372.
- [Honig and Schiffmann(2005)] Honig, U. and Schiffmann, W. (2005) 'Comparison of nature inspired and deterministic scheduling heuristics considering optimal schedules'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 361–364.
- [Horzyk(2005)] Horzyk, A. (2005) 'Interval basis neural network'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 50–53.
- [Hoshino(2005)] Hoshino, O. (2005) 'Cortical modulation of synaptic efficacies through norepinephrine'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 70–73.
- [Huk and Kwasnicka(2005)] Huk, M. and Kwasnicka, H. (2005) 'The concept and properties of sigma-if neural network'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 13–17.

- [Jankovic and Ogawa(2005)] Jankovic, M. and Ogawa, H. (2005) 'Time-oriented hierarchical method for computation of minor components'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 38–41.
- [Jedrzejowicz and Jedrzejowicz(2005)] Jedrzejowicz, J. and Jedrzejowicz, P. (2005) 'Implementation and experimental validation of the population learning algorithm applied to solving qap instances'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 198–201.
- [Jelleli and Alimi(2005)] Jelleli, T.M. and Alimi, A.M. (2005) 'Improved hierarchical fuzzy control scheme'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 128–131.
- [Jonkergouw et al.(2005)] Jonkergouw, Keedwell and Khu] Jonkergouw, P., Keedwell, E. and Khu, S.T. (2005) 'Modelling chlorine decay in water networks with genetic programming'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 206–209.
- [Joshi et al.(2005)Joshi, Reeves and Johnston] Joshi, R., Reeves, C. and Johnston, C. (2005) 'Probabilistic artificial neural networks for malignant melanoma prognosis'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 425–428.
- [Kaewkamnerdpong and Bentley(2005)] Kaewkamnerdpong, B. and Bentley, P.J. (2005) 'Perceptive particle swarm optimisation'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 259–263.
- [Kaklamanos and Margaritis (2005)] Kaklamanos, D.G. and Margaritis, K.G. (2005) 'Personalized news access'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 397–400.
- [Kawasnicka and Paradowski(2005)] Kawasnicka, H. and Paradowski, M. (2005) 'Efficiency aspects of neural network architecture evolution using direct and indirect encoding'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 405–408.
- [Kherallah et al.(2005)Kherallah, Bouri and Alimi] Kherallah, M., Bouri, F. and Alimi, M.A. (2005) 'Toward an on-line handwriting recognition system based on visual coding and genetic algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 502–505.
- [Kilani and Mohdzin(2005)] Kilani, Y. and Mohdzin, A. (2005) 'Treating some constraints as hard speeds up the esg local search algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 247–249.
- [Kita et al.(2005)Kita, Maekawa, Ozawa and Abe] Kita, S., Maekawa, S., Ozawa, S. and Abe, S. (2005) 'Boosting kernel discriminant analysis with adaptive kernel selection'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 429–432.
- [Koppen et al.(2005)Koppen, Vicente-Garcia and Nickolay] Koppen, M., Vicente-Garcia, R. and Nickolay, B. (2005) 'The pareto-box problem for the modelling of evolutionary multiobjective optimization algorithms'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 194–197.

- [Koutnik and Snorek(2005)] Koutnik, J. and Snorek, M. (2005) 'Neural network generating hidden markov chain'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 518–521.
- [Krishna et al.(2005)Krishna, Narayanan and Keedwell] Krishna, A., Narayanan, A. and Keedwell, E.C. (2005) 'Reverse engineering gene networks with artificial neural networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 325–328.
- [Kubalik(2005)] Kubalik, J. (2005) 'Using genetic algorithms with real-coded binary representation for solving non-stationary problems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 222–225.
- [Kurkova(2005)] Kurkova, V. (2005) 'Minimization of empirical error over perceptron networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 46– 49
- [Lamrini et al.(2005)Lamrini, Benhammou, Karama and Lann] Lamrini, B., Benhammou, A., Karama, A. and Lann, M.V.L. (2005) 'A neural network system for modelling of coagulant dosage used in drinking water treatment'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 96–99.
- [Li et al.(2005a)Li, Li, Teng and Wang] Li, K., Li, Y., Teng, C. and Wang, Y. (2005a) 'Solving the roots of cyclic-code generated polynomial by using evolutionary computation'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 449–453.
- [Li et al.(2005b)Li, Shi and Shi] Li, Q., Shi, Z. and Shi, Z. (2005b) 'Swarm intelligence clustering algorithm based on attractor'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 353–356.
- [Liu et al.(2005)Liu, Sung and Ribeiro] Liu, Q., Sung, A.H. and Ribeiro, B.M. (2005) 'Statistical correlations and machine learning for steganalysis'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 437–440.
- [Lobo et al. (2005) Lobo, Lima and Martires] Lobo, F.G., Lima, C.F. and Martires, H. (2005) 'Massive parallelization of the compact genetic algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 530–533.
- [Lotric and Dobnikar(2005)] Lotric, U. and Dobnikar, A. (2005) 'Parallel implementations of feed-forward neural network using mpi and c# on .net platform'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 534–537.
- [Machado and Lopes(2005)] Machado, T.R. and Lopes, H.S. (2005) 'A hybrid particle swarm optimization model for the traveling salesman problem'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 255–258.
- [Marolt(2005)] Marolt, M. (2005) 'A connectionist model of finding partial groups in music recordings with application to music transcription'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 494–497.

- [Marzouki and Yamakawa(2005)] Marzouki, K. and Yamakawa, T. (2005) 'Novel learning algorithm aiming at generating a unique units distribution in standard som'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 168–172.
- [Moller (2005)] Moller, U. (2005) 'Estimating the number of clusters from distributional results of partitioning a given data set'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 151–154.
- [Morita(2005)] Morita, S. (2005) 'Simulating binocular eye movements based on 3-d short-term memory image in reading'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 470–473.
- [Mukkamala et al.(2005)Mukkamala, Sung and Ribeiro] Mukkamala, S., Sung, A.H. and Ribeiro, B.M. (2005) 'Model selection for kernel based intrusion detection systems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 458–461.
- [Murata and Ozawa(2005)] Murata, M. and Ozawa, S. (2005) 'A memory-based reinforcement learning model utilizing macro-actions'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 78–81.
- [Neto and Silva(2005)] Neto, J.J. and Silva, P.S.M. (2005) 'An adaptive framework for the design of software specification languages'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 349–352.
- [Niska et al.(2005)Niska, Hiltunen, Karppinen and Kolehmainen] Niska, H., Hiltunen, T., Karppinen, A. and Kolehmainen, M. (2005) 'Evolutionary design and evaluation of modeling system for forecasting urban airborne maximum pollutant concentrations'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 181–184.
- [Ohba and Ishida(2005)] Ohba, T. and Ishida, M. (2005) 'Competitive decentralized autonomous neural net controllers'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 124–127.
- [Oliveira et al.(2005)Oliveira, Cunha, Clemente and Carrondo] Oliveira, R., Cunha, A., Clemente, J. and Carrondo, M.J.T. (2005) 'Adaptive do-based control of substrate feeding in high cell density cultures operated under oxygen transfer limitation'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 300–303.
- [Oliveira and Salcedo(2005)] Oliveira, R. and Salcedo, R. (2005) 'Benchmark testing of simulated annealing, adaptive random search and genetic algorithms for the global optimization of bioprocesses'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 292–295.
- [Osterman et al.(2005)Osterman, Rego and Gamboa] Osterman, C., Rego, C. and Gamboa, D. (2005) 'The satellite list: A reversible doubly-linked list'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 542–545.
- [Palmer-Brown and Kang(2005)] Palmer-Brown, D. and Kang, M. (2005) 'Adfunn: An adaptive function neural network'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 1–4.

- [Pearson and Batton-Hubert (2005)] Pearson, D.W. and Batton-Hubert, M. (2005) 'Improved clustering by rotation of cluster centres'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 136–139.
- [Peck et al.(2005)Peck, Kozloski, Cecchi and Rao] Peck, C.C., Kozloski, J., Cecchi, G.A. and Rao, A.R. (2005) 'A biologically motivated classifier that preserves implicit relationship information in layered networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 82–85.
- [Pedrazzi et al.(2005)Pedrazzi, Tchemra and Rocha] Pedrazzi, T.C., Tchemra, A.H. and Rocha, R.L.A. (2005) 'Adaptive decision tables: A case study of their application to decision-taking problems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 341–344.
- [Pereira and Rodrigues(2005)] Pereira, A. and Rodrigues, R. (2005) 'Redundant quantum arithmetic'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 280–283
- [Perovich et al.(2005)Perovich, Bauk and Konjevic] Perovich, S.M., Bauk, S.I. and Konjevic, N. (2005) 'The analytical analysis of hopfield neuron parameters by the application of special trans function theory'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 33–37.
- [Petra and Terezie(2005)] Petra, K. and Terezie, S. (2005) 'Product kernel regularization networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 433–436.
- [Pinto et al.(2005)Pinto, Runkler and Sousa] Pinto, P., Runkler, T.A. and Sousa, J.M. (2005) 'Wasp swarm optimization of logistic systems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 264–267.
- [Pistori et al.(2005)Pistori, Martins and de Castro, Jr.] Pistori, H., Martins, P.S. and de Castro, Jr., A.A. (2005) 'Adaptive finite state automata and genetic algorithms: Merging individual adaptation and population evolution'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 333–336.
- [Rahnamayan et al.(2005)Rahnamayan, Tizhoosh and Salama] Rahnamayan, S., Tizhoosh, H.R. and Salama, M. (2005) 'Learning image filtering from a gold sample based on genetic on genetic optimization of morphological processing'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 478–481.
- [Rastegar et al.(2005)Rastegar, Hariri and Meybodi] Rastegar, R., Hariri, A. and Meybodi, M. (2005) 'A fuzzy clustering algorithm using cellular learning automata based evolutionary algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 144–150.
- [Rehor et al.(2005)Rehor, Tozicka and Slavik] Rehor, D., Tozicka, J. and Slavik, P. (2005) 'Visualization of meta-reasoning in multi-agent systems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 385–388.

- [Rocha et al.(2005a)Rocha, Cortez and Neves] Rocha, M., Cortez, P. and Neves, J. (2005a) 'Evolutionary design of neural networks for classification and regression'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 304–307.
- [Rocha et al. (2005b) Rocha, Neves and Veloso] Rocha, M., Neves, J. and Veloso, A. (2005b) 'Evolutionary algorithms for static and dynamic optimization of fed-batch fermentation processes'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 288–291.
- [Ronnholm et al.(2005)Ronnholm, Arve, Eranen, Klingstedt, Salmi, Saxen and Westerholm]
 Ronnholm, M., Arve, K., Eranen, K., Klingstedt, F., Salmi, T., Saxen, H. and Westerholm, J. (2005) 'Ann modeling applied to nox reduction with octane. ann future in personal vehicles'.
 In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 100–103.
- [Saxen and Pettersson(2005)] Saxen, H. and Pettersson, F. (2005) 'A simple method for selection of inputs and structure of feedforward neural networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 9–12.
- [Schoeman and Engelbrecht(2005)] Schoeman, I.L. and Engelbrecht, A.P. (2005) 'A parallel vector-based particle swarm optimizer'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 268–271.
- [Shakya et al.(2005)Shakya, McCall and Brown] Shakya, S., McCall, J. and Brown, D.F. (2005) 'Estimating the distribution in an eda'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 202–205.
- [Shibata(2005)] Shibata, K. (2005) 'Discretization of series of communication signals in noisy environment by reinforcement learning'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 486–489.
- [Shirota et al.(2005)Shirota, Barretto and Itiki] Shirota, C., Barretto, M.Y. and Itiki, C. (2005) 'Associative memories and diagnostic classification of emg signals'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 482–485.
- [Sicard et al.(2005)Sicard, Ospina and Velez] Sicard, A., Ospina, J. and Velez, M. (2005) 'Numerical simulations of a possible hypercomputational quantum algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 272–275.
- [Silva and Ribeiro(2005)] Silva, C. and Ribeiro, B. (2005) 'Text classification from partially labeled distributed data'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 445–448.
- [Silva et al.(2005a)Silva, Sousa, Runkler and da Costa] Silva, C.A., Sousa, J.M., Runkler, T. and da Costa, J.M.G.S. (2005a) 'Ant-based distributed optimization for supply chain management'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 357–360.

- [Silva et al.(2005b)Silva, Silva and Costa] Silva, S., Silva, P.J.N. and Costa, E. (2005b) 'Resource-limited genetic programming: Replacing tree depth limits'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 243–246.
- [Sima(2005)] Sima, J. (2005) 'Generating sequential triangle strips by using hopfield nets'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 25– 28.
- [Soula et al.(2005)Soula, Beslon and Favrel] Soula, H., Beslon, G. and Favrel, J. (2005) 'Evolution versus learning in temporal neural networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 42–45.
- [Sun(2005)] Sun, H. (2005) 'Combining topological and cardinal directional relation information in qsr'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 62–65.
- [Tambouratzis (2005)] Tambouratzis, T. (2005) 'Som-based estimation of meteorological profiles'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 173–176.
- [Tamura et al.(2005)Tamura, Busquets-Mataix, Martin and Campoy] Tamura, E., Busquets-Mataix, J.V., Martin, J.J.S. and Campoy, A.M. (2005) 'A comparison of three genetic algorithms for locking-cache contents selection in real-time systems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 462–465.
- [Tavares et al.(2005a)Tavares, Leitao, Pereira and Costa] Tavares, J., Leitao, T., Pereira, F.B. and Costa, E. (2005a) 'Evolving segments length in golomb rulers'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 239–242.
- [Tavares et al.(2005b)Tavares, Pereira and Costa] Tavares, J., Pereira, F.B. and Costa, E. (2005b) 'Golomb rulers: Experiments with marks representation'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 235–238.
- [Teixeira et al.(2005)Teixeira, Cunha, Clemente, Alves, Carrondo and Oliveira] Teixeira, A., Cunha, A., Clemente, J., Alves, P.M., Carrondo, M.J.T. and Oliveira, R. (2005) 'Dynamic modelling and optimisation of a ammalian cells process using hybrid grey-box systems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 296–299.
- [Torres and Rocco(2005)] Torres, D. and Rocco, C. (2005) 'Assessing the reliability of complex networks through hybrid intelligent systems'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 510–513.
- [Trebar and Lotric(2005)] Trebar, M. and Lotric, U. (2005) 'Predictive data mining on rubber compound database'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 108–111.
- [Udrescu et al.(2005)Udrescu, Prodan and Vladutiu] Udrescu, M., Prodan, L. and Vladutiu, M. (2005) 'Efficient quantum circuits simulation with the bubble bit technique'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 276–279.

- [Vaculin and Neruda(2005)] Vaculin, R. and Neruda, R. (2005) 'Autonomous behavior of computational agents'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 514–517.
- [Vieira et al.(2005) Vieira, Neves and Ribeiro] Vieira, A., Neves, J.C. and Ribeiro, B. (2005) 'A method to improve generalization of neural networks: Application to the problem of bankruptcy prediction'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 417–420.
- [Viet and Kleiber(2005)] Viet, N. and Kleiber, M. (2005) 'Approximating the algebraic solution of systems of interval linear equations with use of neural networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 377–380.
- [Wagner and Affenzeller (2005)] Wagner, S. and Affenzeller, M. (2005) 'Heuristiclab: A generic and extensible optimization environment'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series. Coimbra, Portugal: Springer, pp. 538–541.
- [Wang et al.(2005)Wang, Shi, Chen, Ge, Lee and Liang] Wang, L.M., Shi, X., Chen, G., Ge, H.W., Lee, H.P. and Liang, Y.C. (2005) 'Applications of pso algorithm and oif elman neural network to assessment and forecasting for atmospheric quality'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 250–254.
- [Wu et al.(2005)Wu, Liang, Lee and Lu] Wu, C., Liang, Y., Lee, H. and Lu, C. (2005) 'Intelligent agent inspired genetic algorithm'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 389–392.
- [Xin and Zuo(2005)] Xin, R.M. and Zuo, W.L. (2005) 'A more accurate text classifier for positive and unlabeled data'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 401–404.
- [Yatsuzuka and Ho(2005)] Yatsuzuka, Y. and Ho, Y. (2005) 'Large scale hetero-associative networks with very high classification ability and attractor discrimination consisting of cumulative-learned 3-layer neural networks'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 86–91.
- [Yoshikawa et al. (2005) Yoshikawa, Fujino and Terai] Yoshikawa, M., Fujino, T. and Terai, H. (2005) 'Parallel placement procedure based on distributed genetic algorithms'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 526–529.
- [Zhang et al.(2005)Zhang, Sitte and Rueckert] Zhang, L., Sitte, J. and Rueckert, U. (2005) 'Local cluster neural network chip for control'. In B. Ribeiro, R.F. Albrecht, A. Dobnikar, D.W. Pearson and N.C. Steele, (eds.) Adaptive and Natural Computing Algorithms, Springer Computer Series. Coimbra, Portugal: Springer, pp. 116–119.