

Список литературы

- [Abualrub et al.(2005)Abualrub, Ghrayeb, and Zeng] T. Abualrub, A. Ghrayeb, and X. Zeng. *A Special Class of Additive Cyclic Codes for DNA Computing*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 284–287 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Acan and Gunay(2005)] A. Acan and A. Gunay. *An External Memory Supported ACO for the Frequency Assignment Problem*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 365–368 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Affenzeller and Wagner(2005)] M. Affenzeller and S. Wagner. *Offspring Selection: A New Self-Adaptive Selection Scheme for Genetic Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 218–221 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Agrawal et al.(2005)Agrawal, Mitchell, Passmore, and Litovski] A. Agrawal, I. Mitchell, P. Passmore, and I. Litovski. *Dynamics in Proportionate Selection*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 226–229 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Altincay(2005)] H. Altincay. *An Evidence Theoretic Ensemble Design Technique*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 66–69 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Avila et al.(2005)Avila, Tsuji, and Shiraishi] C. Avila, Y. Tsuji, and Y. Shiraishi. *Crack width Prediction of RC Structures by Artificial Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 92–95 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Barth and Gomi(2005)] F. Barth and E. Gomi. *A Meta-Level Architecture for Adaptive Applications*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 329–332 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Barzamini et al.(2005)Barzamini, Menhaj, Kamalvand, and Fasihi] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 373–376 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Bauk et al.(2005)Bauk, Perovich, and Lompar] S. I. Bauk, S. M. Perovich, and A. Lompar. *The Linear Approximation Method to the Modified Hopfield Neural Network Parameters Analysis*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 29–32 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Beliczynski(2005)] B. Beliczynski. *Certain Comments on Data Preparation for Neural Networks Based Modelling*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 5–8 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Bellil et al.(2005)Bellil, Amar, and Alimi] W. Bellil, C. Amar, and A. Alimi. *Beta Wavelet Networks for Function Approximation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 18–21 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Bingul and Ertunc(2005)] Z. Bingul and H. M. Ertunc. *Applying Neural Network to Inverse Kinematic Problem for 6R Robot Manipulator with Offset Wrist*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 112–115 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Bisler(2005)] A. Bisler. *Emergent Behavior of Interacting Groups of Communicative Agents*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 316–320 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Bontempi et al.(2005)Bontempi, Birattari, and Meyer] G. Bontempi, M. Birattari, and P. E. Meyer. *Combining Lazy Learning, Racing and Subsampling for Effective Feature Selection*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 393–396 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Boubacar et al.(2005)Boubacar, Lecoeuche, and Maouche] H. A. Boubacar, S. Lecoeuche, and S. Maouche. *AUDyC Neural Network Using a New Gaussian Densities Merge Mechanism*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 155–158 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Boudjemai et al.(2005)Boudjemai, Enberg, and Postaire] F. Boudjemai, P. B. Enberg, and J. G. Postaire. *3D Self Organizing Convex Neural Network Architectures*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 164–167 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Boudour and Hellal(2005)] M. Boudour and A. Hellal. *The Growing Hierarchical Self-Organizing Feature Maps And Genetic Algorithms for Large Scale Power System security*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 159–163 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Boumehraz and Benmahammed(2005)] M. Boumehraz and K. Benmahammed. *A Switching Controller for Nonlinear Systems via Fuzzy Models*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 120–123 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Braught(2005)] G. W. Braught. *Evolving Evolvability: Evolving Both Representations and Operators*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 185–188 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Brunetti et al.(2005)Brunetti, Dutta, Liberatori, Mori, and Varrazzo] S. Brunetti, D. Dutta, S. Liberatori, E. Mori, and D. Varrazzo. *An Efficient Algorithm for De Novo Peptide Sequencing*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 312–315 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Camolesi(2005)] A. R. Camolesi. *Modeling a Tool for the Generation of Programming Environments for Adaptive Formalisms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 337–340 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Cao et al.(2005a)Cao, Pan, and Wang] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 490–493 (Springer, Coimbra, Portugal, 2005a). ISBN 3-211-24934-6.
- [Cao et al.(2005b)Cao, Xu, and Wang] W. Cao, C. Xu, and S. Wang. *An Algorithm For Face Pose Adjustment Based On Eye Location*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 474–477 (Springer, Coimbra, Portugal, 2005b). ISBN 3-211-24934-6.
- [Ciglaric et al.(2005)Ciglaric, M. Pancur, and Dobnikar] M. Ciglaric, B. Ster M. Pancur, and A. Dobnikar. *Datamining in Grid Environment*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 522–525 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Corchado et al.(2005)Corchado, Herrero, Baruque, and Saiz] E. Corchado, A. Herrero, B. Baruque, and J. M. Saiz. *Intrusion Detection System Based on a Cooperative Topology Preserving Method*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 454–457 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Cruz(2005)] P. Cruz. *Speeding up Backpropagation with Multiplicative Batch Update Step*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 22–24 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Curran and O’Riordan(2005)] D. Curran and C. O’Riordan. *Evolving Blackjack Strategies Using Cultural Learning*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 210–213 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Da Costa and Landry(2005)] L. E. Da Costa and J.-A. Landry. *Generating Grammatical Plant Models with Genetic Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 230–234 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Dantas and Seixas(2005)] A. Dantas and J. Seixas. *An Adaptive Neural System for Financial Time Series Tracking*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 421–424 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Davey et al.(2005)Davey, Calcraft, and Adams] N. Davey, L. Calcraft, and R. Adams. *Associative Memories with Small World Connectivity*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 74–77 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [de Abreu de Sousa and Hirakawa(2005)] Miguel Angelo de Abreu de Sousa and Andre Riyuita Hirakawa. *Robotic Mapping and Navigation in Unknown Environments Using Adaptive Automata*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 345–348 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Doan and Horiguchi(2005)] S. Doan and S. Horiguchi. *The Use of Multi-Criteria in Feature Selection to Enhance Text Categorization*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar,

- David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 441–444 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Doherty et al.(2005)Doherty, Adams, and Davey] K. A. J. Doherty, R. G. Adams, and N. Davey. *Hierarchical Growing Neural Gas*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 140–143 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Dongfeng and Wenhui(2005)] H. Dongfeng and Li Wenhui. *A Binary Digital Watermarking Scheme Based on the Orthogonal Vector and ICA-SCS Denoising*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 466–469 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Eidson et al.(2005)Eidson, Hamilton, and Kanevsky] J. Eidson, B. Hamilton, and V. Kanevsky. *Learning from Randomly-Distributed Inaccurate Measurements*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 54–61 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Gabrijel and Dobnikar(2005)] I. Gabrijel and A. Dobnikar. *On-line Inference of Finite Automata in Noisy Environments*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 132–135 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Gangadhar(2005)] D. Gangadhar. *Pelican - Protein-structure Alignment Using Cellular Automaton Models*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 308–311 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Garcia and Moreno(2005)] C. Garcia and J. Moreno. *An Efficient Heuristic for the Traveling Salesman Problem Based on a Growing SOM-like Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 177–180 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Gaspar-Cunha(2005)] A. Gaspar-Cunha. *A Multi-Objective Evolutionary Algorithm for Solving Traveling Salesman Problems: Application to the Design of Polymer Extruders*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 189–193 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Gupta and Agrawal(2005)] N. Gupta and V. K. Agrawal. *Two-Criterion Optimization in State Assignment for Synchronous Finite State Machines Using NSGA-II*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 214–217 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Hayward(2005)] S. Hayward. *Genetic Algorithm Optimization of an Artificial Neural Network for Financial Applications*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 409–416 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Helle and Saxen(2005)] M. Helle and H. Saxen. *A Method for Detecting Cause-effects in Data from Complex Processes*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 104–107 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Holena(2005)] M. Holena. *Neural-Networks for Extraction of Fuzzy Logic Rules with Application to EEG Data*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 369–372 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Honig and Schiffmann(2005)] U. Honig and W. Schiffmann. *Comparison of Nature Inspired and Deterministic Scheduling Heuristics Considering Optimal Schedules*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 361–364 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Horzyk(2005)] A. Horzyk. *Interval Basis Neural Network*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 50–53 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Hoshino(2005)] O. Hoshino. *Cortical Modulation of Synaptic Efficacies through Norepinephrine*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 70–73 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Huk and Kwasnicka(2005)] M. Huk and H. Kwasnicka. *The Concept and Properties of Sigma-if Neural Network*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 13–17 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Jankovic and Ogawa(2005)] M. Jankovic and H. Ogawa. *Time-Oriented Hierarchical Method for Computation of Minor Components*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 38–41 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Jedrzejowicz and Jedrzejowicz(2005)] J. Jedrzejowicz and P. Jedrzejowicz. *Implementation and Experimental Validation of the Population Learning Algorithm Applied to Solving QAP Instances*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 198–201 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Jelleli and Alimi(2005)] T. M. Jelleli and A. M. Alimi. *Improved Hierarchical Fuzzy Control Scheme*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 128–131 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Jonkergouw et al.(2005)] Jonkergouw, Keedwell, and Khu] P. Jonkergouw, E. Keedwell, and S.-T. Khu. *Modelling Chlorine Decay in Water Networks with Genetic Programming*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 206–209 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Joshi et al.(2005)] Joshi, Reeves, and Johnston] R. Joshi, C. Reeves, and C. Johnston. *Probabilistic Artificial Neural Networks for Malignant Melanoma Prognosis*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 425–428 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kaewkamnerdpong and Bentley(2005)] B. Kaewkamnerdpong and P. J. Bentley. *Perceptive Particle Swarm Optimisation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 259–263 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Kaklamanos and Margaritis(2005)] D. G. Kaklamanos and K. G. Margaritis. *Personalized News Access*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 397–400 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kawasnicka and Paradowski(2005)] H. Kawasnicka and M. Paradowski. *Efficiency Aspects of Neural Network Architecture Evolution Using Direct and Indirect Encoding*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 405–408 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kherallah et al.(2005)] Kherallah, Bouri, and Alimi] M. Kherallah, F. Bouri, and M. A. Alimi. *Toward an On-Line Handwriting Recognition System Based on Visual Coding and Genetic Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 502–505 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kilani and Mohdzin(2005)] Y. Kilani and A. Mohdzin. *Treating some Constraints as Hard Speeds up the ESG Local Search Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 247–249 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kita et al.(2005)] Kita, Maekawa, Ozawa, and Abe] S. Kita, S. Maekawa, S. Ozawa, and S. Abe. *Boosting Kernel Discriminant Analysis with Adaptive Kernel Selection*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 429–432 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Koppen et al.(2005)] Koppen, Vicente-Garcia, and Nickolay] M. Koppen, R. Vicente-Garcia, and B. Nickolay. *The Pareto-Box Problem for the Modelling of Evolutionary Multiobjective Optimization Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 194–197 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Koutnik and Snorek(2005)] J. Koutnik and M. Snorek. *Neural Network Generating Hidden Markov Chain*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 518–521 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Krishna et al.(2005)] Krishna, Narayanan, and Keedwell] A. Krishna, A. Narayanan, and E. C. Keedwell. *Reverse Engineering Gene Networks with Artificial Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 325–328 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kubalik(2005)] J. Kubalik. *Using Genetic Algorithms with Real-coded Binary Representation for Solving Non-stationary Problems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 222–225 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Kurkova(2005)] V. Kurkova. *Minimization of Empirical Error over Perceptron Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 46–49 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Lamrini et al.(2005)] Lamrini, Benhammou, Karama, and Lann] B. Lamrini, A. Benhammou, A. Karama, and M-V. Le Lann. *A Neural Network System for Modelling of Coagulant Dosage Used in Drinking Water Treatment*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej

- Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 96–99 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Li et al.(2005a)Li, Li, Teng, and Wang] Kangshun Li, Yuanxiang Li, Chong Teng, and Yuhua Wang. *Solving The Roots of Cyclic-Code Generated Polynomial by Using Evolutionary Computation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 449–453 (Springer, Coimbra, Portugal, 2005a). ISBN 3-211-24934-6.
- [Li et al.(2005b)Li, Shi, and Shi] Q. Li, Z. Shi, and Z. Shi. *Swarm Intelligence Clustering Algorithm Based on Attractor*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 353–356 (Springer, Coimbra, Portugal, 2005b). ISBN 3-211-24934-6.
- [Liu et al.(2005)Liu, Sung, and Ribeiro] Q. Liu, A. H. Sung, and B. M. Ribeiro. *Statistical Correlations and Machine Learning for Steganalysis*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 437–440 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Lobo et al.(2005)Lobo, Lima, and Martires] F. G. Lobo, C. F. Lima, and H. Martires. *Massive Parallelization of the Compact Genetic Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 530–533 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Lotric and Dobnikar(2005)] U. Lotric and A. Dobnikar. *Parallel Implementations of Feed-forward Neural Network Using MPI and C# on .NET Platform*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 534–537 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Machado and Lopes(2005)] T. Rogalsky Machado and Heitor Silverio Lopes. *A Hybrid Particle Swarm Optimization Model for the Traveling Salesman Problem*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 255–258 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Marolt(2005)] M. Marolt. *A Connectionist Model of Finding Partial Groups in Music Recordings with Application to Music Transcription*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 494–497 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Marzouki and Yamakawa(2005)] K. Marzouki and T. Yamakawa. *Novel Learning Algorithm Aiming at Generating a Unique Units Distribution in Standard SOM*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 168–172 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Moller(2005)] U. Moller. *Estimating the Number of Clusters from Distributional Results of Partitioning a Given Data Set*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 151–154 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Morita(2005)] S. Morita. *Simulating Binocular Eye Movements Based on 3-D Short-Term Memory Image in Reading*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 470–473 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Mukkamala et al.(2005)] Mukkamala, Sung, and Ribeiro] S. Mukkamala, A. H. Sung, and B. M. Ribeiro. *Model Selection for Kernel Based Intrusion Detection Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 458–461 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Murata and Ozawa(2005)] M. Murata and S. Ozawa. *A Memory-Based Reinforcement Learning Model Utilizing Macro-Actions*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 78–81 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Neto and Silva(2005)] J. J. Neto and P. S. M. Silva. *An Adaptive Framework for the Design of Software Specification Languages*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 349–352 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Niska et al.(2005)] Niska, Hiltunen, Karppinen, and Kolehmainen] H. Niska, T. Hiltunen, A. Karppinen, and M. Kolehmainen. *Evolutionary Design and Evaluation of Modeling System for Forecasting Urban Airborne Maximum Pollutant Concentrations*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 181–184 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Ohba and Ishida(2005)] T. Ohba and M. Ishida. *Competitive Decentralized Autonomous Neural Net Controllers*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 124–127 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Oliveira et al.(2005)] Oliveira, Cunha, Clemente, and Carrondo] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 300–303 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Oliveira and Salcedo(2005)] R. Oliveira and R. Salcedo. *Benchmark Testing of Simulated Annealing, Adaptive Random Search and Genetic Algorithms for the Global Optimization of Bioprocesses*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 292–295 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Osterman et al.(2005)] Osterman, Rego, and Gamboa] C. Osterman, C. Rego, and D. Gamboa. *The Satellite List: A Reversible Doubly-Linked List*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 542–545 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Palmer-Brown and Kang(2005)] D. Palmer-Brown and M. Kang. *ADFUNN: An Adaptive Function Neural Network*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 1–4 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Pearson and Batton-Hubert(2005)] D. W. Pearson and M. Batton-Hubert. *Improved Clustering by Rotation of Cluster Centres*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 136–139 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Peck et al.(2005)Peck, Kozloski, Cecchi, and Rao] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 82–85 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Pedrazzi et al.(2005)Pedrazzi, Tchemra, and Rocha] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 341–344 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Pereira and Rodrigues(2005)] A. Pereira and R. Rodrigues. *Redundant Quantum Arithmetic*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 280–283 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Perovich et al.(2005)Perovich, Bauk, and Konjevic] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 33–37 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Petra and Terezie(2005)] K. Petra and S. Terezie. *Product Kernel Regularization Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 433–436 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Pinto et al.(2005)Pinto, Runkler, and Sousa] P. Pinto, T. A. Runkler, and J. M. Sousa. *Wasp Swarm Optimization of Logistic Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 264–267 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Pistori et al.(2005)Pistori, Martins, and de Castro, Jr.] Hemerson Pistori, Priscila S. Martins, and Amaury A. de Castro, Jr. *Adaptive Finite State Automata and Genetic Algorithms: Merging Individual Adaptation and Population Evolution*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 333–336 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Rahnamayan et al.(2005)Rahnamayan, Tizhoosh, and Salama] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 478–481 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Rastegar et al.(2005)Rastegar, Hariri, and Meybodi] R. Rastegar, A. Hariri, and M. Meybodi. *A Fuzzy Clustering Algorithm Using Cellular Learning Automata Based Evolutionary Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 144–150 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Rehor et al.(2005)Rehor, Tozicka, and Slavik] D. Rehor, J. Tozicka, and P. Slavik. *Visualization of Meta-Reasoning in Multi-Agent Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 385–388 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Rocha et al.(2005a)Rocha, Cortez, and Neves] M. Rocha, P. Cortez, and J. Neves. *Evolutionary Design of Neural Networks for Classification and Regression*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 304–307 (Springer, Coimbra, Portugal, 2005a). ISBN 3-211-24934-6.
- [Rocha et al.(2005b)Rocha, Neves, and Veloso] M. Rocha, J. Neves, and A. Veloso. *Evolutionary Algorithms for Static and Dynamic Optimization of Fed-batch Fermentation Processes*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 288–291 (Springer, Coimbra, Portugal, 2005b). ISBN 3-211-24934-6.
- [Ronnholm et al.(2005)Ronnholm, Arve, Eranen, Klingstedt, Salmi, Saxen, and Westerholm] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 100–103 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Saxen and Pettersson(2005)] H. Saxen and F. Pettersson. *A Simple Method for Selection of Inputs and Structure of Feedforward Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 9–12 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Schoeman and Engelbrecht(2005)] I. L. Schoeman and A. P. Engelbrecht. *A Parallel Vector-Based Particle Swarm Optimizer*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 268–271 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Shakya et al.(2005)Shakya, McCall, and Brown] S. Shakya, J. McCall, and D. F. Brown. *Estimating the Distribution in an EDA*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 202–205 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Shibata(2005)] K. Shibata. *Discretization of Series of Communication Signals in Noisy Environment by Reinforcement Learning*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 486–489 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Shirota et al.(2005)Shirota, Barretto, and Itiki] C. Shirota, M. Y. Barretto, and C. Itiki. *Associative Memories and Diagnostic Classification of EMG Signals*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 482–485 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Sicard et al.(2005)Sicard, Ospina, and Velez] A. Sicard, J. Ospina, and M. Velez. *Numerical Simulations of a Possible Hypercomputational Quantum Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 272–275 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Silva and Ribeiro(2005)] C. Silva and B. Ribeiro. *Text Classification from Partially Labeled Distributed Data*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 445–448 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Silva et al.(2005a)Silva, Sousa, Runkler, and da Costa] C. A. Silva, J. M. Sousa, T. Runkler, and J. M. G. Sa da Costa. *Ant-based Distributed Optimization for Supply Chain Management*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 357–360 (Springer, Coimbra, Portugal, 2005a). ISBN 3-211-24934-6.
- [Silva et al.(2005b)Silva, Silva, and Costa] S. Silva, P. J. N. Silva, and E. Costa. *Resource-Limited Genetic Programming: Replacing Tree Depth Limits*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 243–246 (Springer, Coimbra, Portugal, 2005b). ISBN 3-211-24934-6.
- [Sima(2005)] J. Sima. *Generating Sequential Triangle Strips by Using Hopfield Nets*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 25–28 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Soula et al.(2005)Soula, Beslon, and Favrel] H. Soula, G. Beslon, and J. Favrel. *Evolution versus Learning in Temporal Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 42–45 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Sun(2005)] H. Sun. *Combining Topological and Cardinal Directional Relation Information in QSR*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 62–65 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Tambouratzis(2005)] T. Tambouratzis. *SOM-Based Estimation of Meteorological Profiles*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 173–176 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Tamura et al.(2005)Tamura, Busquets-Mataix, Martin, and Campoy] E. Tamura, J. V. Busquets-Mataix, J. J. Serrano Martin, and A. M. Campoy. *A Comparison of three Genetic Algorithms for Locking-cache Contents Selection in Real-Time Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 462–465 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Tavares et al.(2005a)Tavares, Leitao, Pereira, and Costa] Jorge Tavares, Tiago Leitao, Francisco B. Pereira, and Ernesto Costa. *Evolving Segments Length in Golomb Rulers*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 239–242 (Springer, Coimbra, Portugal, 2005a). ISBN 3-211-24934-6.
- [Tavares et al.(2005b)Tavares, Pereira, and Costa] Jorge Tavares, Francisco B. Pereira, and Ernesto Costa. *Golomb Rulers: Experiments with Marks Representation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 235–238 (Springer, Coimbra, Portugal, 2005b). ISBN 3-211-24934-6.
- [Teixeira et al.(2005)Teixeira, Cunha, Clemente, Alves, Carrondo, and Oliveira] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 296–299 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.

- [Torres and Rocco(2005)] D. Torres and C. Rocco. *Assessing the Reliability of Complex Networks through Hybrid Intelligent Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 510–513 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Trebar and Lotric(2005)] M. Trebar and U. Lotric. *Predictive Data Mining on Rubber Compound Database*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 108–111 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Udrescu et al.(2005)Udrescu, Prodan, and Vladutiu] M. Udrescu, L. Prodan, and M. Vladutiu. *Efficient Quantum Circuits Simulation with the Bubble Bit Technique*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 276–279 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Vaculin and Neruda(2005)] R. Vaculin and R. Neruda. *Autonomous Behavior of Computational Agents*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 514–517 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Vieira et al.(2005)Vieira, Neves, and Ribeiro] A. Vieira, J. C. Neves, and B. Ribeiro. *A Method to Improve Generalization of Neural Networks: Application to the Problem of Bankruptcy Prediction*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 417–420 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Viet and Kleiber(2005)] N. Viet and M. Kleiber. *Approximating the Algebraic Solution of Systems of Interval Linear Equations with Use of Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 377–380 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Wagner and Affenzeller(2005)] S. Wagner and M. Affenzeller. *HeuristicLab: A Generic and Extensible Optimization Environment*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 538–541 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Wang et al.(2005)Wang, Shi, Chen, Ge, Lee, and Liang] L. M. Wang, X.H. Shi, G.J. 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 250–254 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Wu et al.(2005)Wu, Liang, Lee, and Lu] C. Wu, Y. Liang, H. Lee, and C. Lu. *Intelligent Agent Inspired Genetic Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 389–392 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Xin and Zuo(2005)] R.-M. Xin and W.-L. Zuo. *A More Accurate Text Classifier for Positive and Unlabeled Data*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 401–404 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Yatsuzuka and Ho(2005)] 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 Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 86–91 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Yoshikawa et al.(2005)Yoshikawa, Fujino, and Terai] Masaya Yoshikawa, Takeshi Fujino, and Hidekazu Terai. *Parallel Placement Procedure Based on Distributed Genetic Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 526–529 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.
- [Zhang et al.(2005)Zhang, Sitte, and Rueckert] L. Zhang, J. Sitte, and U. Rueckert. *Local Cluster Neural Network Chip for Control*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson, and Nigel C. Steele (eds.) *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pp. 116–119 (Springer, Coimbra, Portugal, 2005). ISBN 3-211-24934-6.