

Список литературы

- [Abualrub 05] T. Abualrub, A. Ghrayeb & X. Zeng. *A Special Class of Additive Cyclic Codes for DNA Computing*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 284–287, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Acan 05] A. Acan & A. Gunay. *An External Memory Supported ACO for the Frequency Assignment Problem*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 365–368, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Affenzeller 05] M. Affenzeller & S. Wagner. *Offspring Selection: A New Self-Adaptive Selection Scheme for Genetic Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 218–221, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Agrawal 05] A. Agrawal, I. Mitchell, P. Passmore & I. Litovski. *Dynamics in Proportionate Selection*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 226–229, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Altincay 05] H. Altincay. *An Evidence Theoretic Ensemble Design Technique*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 66–69, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Avila 05] C. Avila, Y. Tsuji & Y. Shiraishi. *Crack width Prediction of RC Structures by Artificial Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 92–95, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Barth 05] F. Barth & E. Gomi. *A Meta-Level Architecture for Adaptive Applications*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 329–332, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Barzamini 05] R. Barzamini, M. B. Menhaj, S. Kamalyvand & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 373–376, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Bauk 05] S. I. Bauk, S. M. Perovich & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 29–32, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Beliczynski 05] B. Beliczynski. *Certain Comments on Data Preparation for Neural Networks Based Modelling*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar,

- David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 5–8, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Bellil 05] W. Bellil, C. Amar & A. Alimi. *Beta Wavelet Networks for Function Approximation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 18–21, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Bingul 05] Z. Bingul & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 112–115, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Bisler 05] A. Bisler. *Emergent Behavior of Interacting Groups of Communicative Agents*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 316–320, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Bontempi 05] G. Bontempi, M. Birattari & P. E. Meyer. *Combining Lazy Learning, Racing and Subsampling for Effective Feature Selection*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 393–396, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Boubacar 05] H. A. Boubacar, S. Lecoeuche & S. Maouche. *AUDyC Neural Network Using a New Gaussian Densities Merge Mechanism*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 155–158, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Boudjemai 05] F. Boudjemai, P. B. Enberg & J. G. Postaire. *3D Self Organizing Convex Neural Network Architectures*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 164–167, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Boudour 05] M. Boudour & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 159–163, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Boumehraz 05] M. Boumehraz & K. Benmahammed. *A Switching Controller for Nonlinear Systems via Fuzzy Models*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 120–123, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Braught 05] G. W. Braught. *Evolving Evolvability: Evolving Both Representations and Operators*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 185–188, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Brunetti 05] S. Brunetti, D. Dutta, S. Liberatori, E. Mori & D. Varrazzo. *An Efficient Algorithm for De Novo Peptide Sequencing*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 312–315, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Camolesi 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 337–340, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Cao 05a] W. Cao, X. Pan & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 490–493, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Cao 05b] W. Cao, C. Xu & S. Wang. *An Algorithm For Face Pose Adjustment Based On Eye Location*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 474–477, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Ciglaric 05] M. Ciglaric, B. Ster M. Pancur & A. Dobnikar. *Datamining in Grid Environment*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 522–525, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Corchado 05] E. Corchado, A. Herrero, B. Baruque & J. M. Saiz. *Intrusion Detection System Based on a Cooperative Topology Preserving Method*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 454–457, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Cruz 05] P. Cruz. *Speeding up Backpropagation with Multiplicative Batch Update Step*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 22–24, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Curran 05] D. Curran & C. O’Riordan. *Evolving Blackjack Strategies Using Cultural Learning*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 210–213, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Da Costa 05] L. E. Da Costa & J.-A. Landry. *Generating Grammatical Plant Models with Genetic Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 230–234, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Dantas 05] A. Dantas & J. Seixas. *An Adaptive Neural System for Financial Time Series Tracking*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 421–424, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Davey 05] N. Davey, L. Calcraft & R. Adams. *Associative Memories with Small World Connectivity*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 74–77, Coimbra, Portugal, 21-23 March 2005. Springer.
- [de Abreu de Sousa 05] Miguel Angelo de Abreu de Sousa & Andre Riyuita Hirakawa. *Robotic Mapping and Navigation in Unknown Environments Using Adaptive Automata*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 345–348, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Doan 05] S. Doan & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 441–444, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Doherty 05] K. A. J. Doherty, R. G. Adams & N. Davey. *Hierarchical Growing Neural Gas*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 140–143, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Dongfeng 05] H. Dongfeng & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 466–469, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Eidson 05] J. Eidson, B. Hamilton & V. Kanevsky. *Learning from Randomly-Distributed Inaccurate Measurements*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 54–61, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Gabrijel 05] I. Gabrijel & A. Dobnikar. *On-line Inference of Finite Automata in Noisy Environments*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 132–135, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Gangadhar 05] D. Gangadhar. *Pelican - Protein-structure Alignment Using Cellular Automaton Models*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 308–311, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Garcia 05] C. Garcia & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 177–180, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Gaspar-Cunha 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 189–193, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Gupta 05] N. Gupta & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 214–217, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Hayward 05] S. Hayward. *Genetic Algorithm Optimization of an Artificial Neural Network for Financial Applications*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 409–416, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Helle 05] M. Helle & H. Saxen. *A Method for Detecting Cause-effects in Data from Complex Processes*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 104–107, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Holena 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 369–372, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Honig 05] U. Honig & W. Schiffmann. *Comparison of Nature Inspired and Deterministic Scheduling Heuristics Considering Optimal Schedules*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 361–364, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Horzyk 05] A. Horzyk. *Interval Basis Neural Network*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 50–53, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Hoshino 05] O. Hoshino. *Cortical Modulation of Synaptic Efficacies through Norepinephrine*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 70–73, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Huk 05] M. Huk & H. Kwasnicka. *The Concept and Properties of Sigma-if Neural Network*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 13–17, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Jankovic 05] M. Jankovic & H. Ogawa. *Time-Oriented Hierarchical Method for Computation of Minor Components*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 38–41, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Jedrzejowicz 05] J. Jedrzejowicz & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 198–201, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Jelleli 05] T. M. Jelleli & A. M. Alimi. *Improved Hierarchical Fuzzy Control Scheme*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 128–131, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Jonkergouw 05] P. Jonkergouw, E. Keedwell & S.-T. Khu. *Modelling Chlorine Decay in Water Networks with Genetic Programming*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 206–209, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Joshi 05] R. Joshi, C. Reeves & C. Johnston. *Probabilistic Artificial Neural Networks for Malignant Melanoma Prognosis*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 425–428, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kaewkamnerdpong 05] B. Kaewkamnerdpong & P. J. Bentley. *Perceptive Particle Swarm Optimisation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 259–263, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kaklamanos 05] D. G. Kaklamanos & K. G. Margaritis. *Personalized News Access*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 397–400, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kawasnicka 05] H. Kawasnicka & 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 & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 405–408, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kherallah 05] M. Kherallah, F. Bouri & 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 & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 502–505, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kilani 05] Y. Kilani & 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 & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 247–249, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kita 05] S. Kita, S. Maekawa, S. Ozawa & S. Abe. *Boosting Kernel Discriminant Analysis with Adaptive Kernel Selection*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 429–432, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Koppen 05] M. Koppen, R. Vicente-Garcia & 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 & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*,

- Springer Computer Series, pages 194–197, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Koutnik 05] J. Koutnik & M. Snorek. *Neural Network Generating Hidden Markov Chain*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 518–521, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Krishna 05] A. Krishna, A. Narayanan & E. C. Keedwell. *Reverse Engineering Gene Networks with Artificial Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 325–328, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kubalik 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 222–225, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Kurkova 05] V. Kurkova. *Minimization of Empirical Error over Perceptron Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 46–49, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Lamrini 05] B. Lamrini, A. Benhammou, A. Karama & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 96–99, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Li 05a] Kangshun Li, Yuanxiang Li, Chong Teng & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 449–453, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Li 05b] Q. Li, Z. Shi & Z. Shi. *Swarm Intelligence Clustering Algorithm Based on Attractor*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 353–356, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Liu 05] Q. Liu, A. H. Sung & B. M. Ribeiro. *Statistical Correlations and Machine Learning for Steganalysis*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 437–440, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Lobo 05] F. G. Lobo, C. F. Lima & H. Martires. *Massive Parallelization of the Compact Genetic Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 530–533, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Lotric 05] U. Lotric & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 534–537, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Machado 05] T. Rogalsky Machado & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 255–258, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Marolt 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 494–497, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Marzouki 05] K. Marzouki & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 168–172, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Moller 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 151–154, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Morita 05] 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 470–473, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Mukkamala 05] S. Mukkamala, A. H. Sung & B. M. Ribeiro. *Model Selection for Kernel Based Intrusion Detection Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 458–461, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Murata 05] M. Murata & S. Ozawa. *A Memory-Based Reinforcement Learning Model Utilizing Macro-Actions*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 78–81, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Neto 05] J. J. Neto & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 349–352, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Niska 05] H. Niska, T. Hiltunen, A. Karppinen & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 181–184, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Ohba 05] T. Ohba & M. Ishida. *Competitive Decentralized Autonomous Neural Net Controllers*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 124–127, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Oliveira 05a] R. Oliveira, A. Cunha, J. Clemente & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 300–303, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Oliveira 05b] R. Oliveira & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 292–295, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Osterman 05] C. Osterman, C. Rego & D. Gamboa. *The Satellite List: A Reversible Doubly-Linked List*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 542–545, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Palmer-Brown 05] D. Palmer-Brown & M. Kang. *ADFUNN: An Adaptive Function Neural Network*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 1–4, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Pearson 05] D. W. Pearson & M. Batton-Hubert. *Improved Clustering by Rotation of Cluster Centres*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 136–139, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Peck 05] C. C. Peck, J. Kozloski, G. A. Cecchi & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 82–85, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Pedrazzi 05] T. C. Pedrazzi, A. H. Tchemra & 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 & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 341–344, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Pereira 05] A. Pereira & R. Rodrigues. *Redundant Quantum Arithmetic*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 280–283, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Perovich 05] S. M. Perovich, S. I. Bauk & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 33–37, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Petra 05] K. Petra & S. Terezie. *Product Kernel Regularization Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 433–436, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Pinto 05] P. Pinto, T. A. Runkler & J. M. Sousa. *Wasp Swarm Optimization of Logistic Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 264–267, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Pistori 05] Hemerson Pistori, Priscila S. Martins & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 333–336, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Rahnamayan 05] S. Rahnamayan, H. R. Tizhoosh & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 478–481, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Rastegar 05] R. Rastegar, A. Hariri & M. Meybodi. *A Fuzzy Clustering Algorithm Using Cellular Learning Automata Based Evolutionary Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 144–150, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Rehor 05] D. Rehor, J. Tozicka & P. Slavik. *Visualization of Meta-Reasoning in Multi-Agent Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 385–388, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Rocha 05a] M. Rocha, P. Cortez & J. Neves. *Evolutionary Design of Neural Networks for Classification and Regression*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 304–307, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Rocha 05b] M. Rocha, J. Neves & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 288–291, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Ronnholm 05] M. Ronnholm, K. Arve, K. Eranen, F. Klingstedt, T. Salmi, H. Saxen & 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 & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 100–103, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Saxen 05] H. Saxen & F. Pettersson. *A Simple Method for Selection of Inputs and Structure of Feedforward Neural Networks*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 9–12, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Schoeman 05] I. L. Schoeman & A. P. Engelbrecht. *A Parallel Vector-Based Particle Swarm Optimizer*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 268–271, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Shakya 05] S. Shakya, J. McCall & D. F. Brown. *Estimating the Distribution in an EDA*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 202–205, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Shibata 05] K. Shibata. *Discretization of Series of Communication Signals in Noisy Environment by Reinforcement Learning*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 486–489, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Shirota 05] C. Shirota, M. Y. Barretto & C. Itiki. *Associative Memories and Diagnostic Classification of EMG Signals*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 482–485, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Sicard 05] A. Sicard, J. Ospina & M. Velez. *Numerical Simulations of a Possible Hypercomputational Quantum Algorithm*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 272–275, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Silva 05a] C. Silva & B. Ribeiro. *Text Classification from Partially Labeled Distributed Data*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 445–448, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Silva 05b] C. A. Silva, J. M. Sousa, T. Runkler & J. M. G. Sa da Costa. *Ant-based Distributed Optimization for Supply Chain Management*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 357–360, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Silva 05c] S. Silva, P. J. N. Silva & E. Costa. *Resource-Limited Genetic Programming: Replacing Tree Depth Limits*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 243–246, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Sima 05] J. Sima. *Generating Sequential Triangle Strips by Using Hopfield Nets*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 25–28, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Soula 05] H. Soula, G. Beslon & J. Favrel. *Evolution versus Learning in Temporal Neural Networks*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 42–45, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Sun 05] H. Sun. *Combining Topological and Cardinal Directional Relation Information in QSR*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 62–65, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Tambouratzis 05] T. Tambouratzis. *SOM-Based Estimation of Meteorological Profiles*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 173–176, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Tamura 05] E. Tamura, J. V. Busquets-Mataix, J. J. Serrano Martin & 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 & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 462–465, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Tavares 05a] Jorge Tavares, Tiago Leita, Francisco B. Pereira & Ernesto Costa. *Evolving Segments Length in Golomb Rulers*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 239–242, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Tavares 05b] Jorge Tavares, Francisco B. Pereira & Ernesto Costa. *Golomb Rulers: Experiments with Marks Representation*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 235–238, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Teixeira 05] A. Teixeira, A. Cunha, J. Clemente, P. M. Alves, M. J. T. Carrondo & 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 & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 296–299, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Torres 05] D. Torres & C. Rocco. *Assessing the Reliability of Complex Networks through Hybrid Intelligent Systems*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 510–513, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Trebar 05] M. Trebar & U. Lotric. *Predictive Data Mining on Rubber Compound Database*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, *Adaptive and Natural Computing Algorithms*, Springer Computer Series, pages 108–111, Coimbra, Portugal, 21-23 March 2005. Springer.

- [Udrescu 05] M. Udrescu, L. Prodan & M. Vladutiu. *Efficient Quantum Circuits Simulation with the Bubble Bit Technique*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 276–279, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Vaculin 05] R. Vaculin & R. Neruda. *Autonomous Behavior of Computational Agents*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 514–517, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Vieira 05] A. Vieira, J. C. Neves & 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 & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 417–420, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Viet 05] N. Viet & 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 & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 377–380, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Wagner 05] S. Wagner & M. Affenzeller. *HeuristicLab: A Generic and Extensible Optimization Environment*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 538–541, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Wang 05] L. M. Wang, X.H. Shi, G.J. Chen, H. W. Ge, H. P. Lee & 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 & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 250–254, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Wu 05] C. Wu, Y. Liang, H. Lee & C. Lu. *Intelligent Agent Inspired Genetic Algorithm*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 389–392, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Xin 05] R.-M. Xin & W.-L. Zuo. *A More Accurate Text Classifier for Positive and Unlabeled Data*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 401–404, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Yatsuzuka 05] Y. Yatsuzuka & 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 & Nigel C. Steele, editors, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 86–91, Coimbra, Portugal, 21-23 March 2005. Springer.
- [Yoshikawa 05] Masaya Yoshikawa, Takeshi Fujino & Hidekazu Terai. *Parallel Placement Procedure Based on Distributed Genetic Algorithms*. In Bernardete Ribeiro, Rudof F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele,

editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 526–529, Coimbra, Portugal, 21-23 March 2005. Springer.

[Zhang 05]

L. Zhang, J. Sitte & U. Rueckert. *Local Cluster Neural Network Chip for Control*. In Bernardete Ribeiro, Rudolf F. Albrecht, Andrej Dobnikar, David W. Pearson & Nigel C. Steele, editeurs, Adaptive and Natural Computing Algorithms, Springer Computer Series, pages 116–119, Coimbra, Portugal, 21-23 March 2005. Springer.