## Список литературы

- [Abraham et al., 2002] Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors (2002). Soft Computing Systems Design, Management and Applications, volume 87 of Frontiers in Artificial Intelligence and Applications. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Aguilar and Perozo, 2002] Aguilar, J. and Perozo, N. (2002). "Sparse Distributed Memory with Adaptive Threshold". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 426–432. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Ali and Abraham, 2002] Ali, A. S. and Abraham, A. (2002). "An Empirical Comparison of Kernel Selection for Support Vector Machines". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 321–330. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Amali et al., 2002] Amali, R.; Vinney, J.; Noroozi, S.; and Patel, V. (2002). "The Use of a Back Propagation Neural Network to Determine the Load Distribution on a Component". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 15–20. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Angkawattanawit and Rungsawang, 2002] Angkawattanawit, N. and Rungsawang, A. (2002). "Learnable Topic-specific Web Crawler". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 573–582. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Asseraf, 2002] Asseraf, M. (2002). "An Efficient Algorithm in Optimal Partition Problem for Trees Induction". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 212–220. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Astrain et al., 2002] Astrain, J.; Garitagoitia, J.; Villadangos, J.; Fariña, F.; and Córdoba, A. (2002). "An Imperfect String Matching Experience Using Deformed Fuzzy Automata". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 115–123. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Baeza-Yates and Castillo, 2002] Baeza-Yates, R. and Castillo, C. (2002). "Balancing Volume, Quality and Freshness in Web Crawling". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 565–572. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Batista and Monard, 2002] Batista, G. E. A. P. A. and Monard, M. (2002). "A Study of K-Nearest Neighbour as an Imputation Method". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 251–260. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Beker and Hadany, 2002] Beker, T. and Hadany, L. (2002). "Noise and Elitism in Evolutionary Computation". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 193–203. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Bologna, 2002] Bologna, G. (2002). "Rule Extraction from Bagged Neural Networks". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 42–53. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

- [Brouwer, 2002] Brouwer, R. (2002). "Using a Helper FFN to Represent the Cost Function for Training DRNN's by Gradient Descent". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 707–714. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Castilho et al., 2002] Castilho, V.; Nicoletti, M.; and Debs, M. E. (2002). "Using Genetic Algorithms for Minimizing the Production Costs of Hollow Core Slabs". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 796–805. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Cheng et al., 2002] Cheng, S.; Chen, Y.; Tseng, C.; Fu, H.; and Pao, H. (2002). "A Self-growing Probabilistic Decision-based Neural Network with Applications to Anchor/Speaker Identification". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 818–829. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Chervonenkis, 2002] Chervonenkis, A. J. (2002). "Reconstruction of conditional distribution field based on empirical data". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 462–469. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Cock, 2002] Cock, M. D. (2002). "Linguistic Hedges: a Quantifier Based Approach". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 142–152. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Cuppens et al., 2002] Cuppens, F.; Autrel, F.; Miège, A.; and Benferhat, S. (2002). "Recognizing Malicious Intention in an Intrusion Detection Process". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 806–817. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [D. Partridge, 2002] D. Partridge, S. C. (2002). "Revealing Feature Interactions in Classification Tasks". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems -Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 394–403. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [de Baets, 2002] de Baets, B. (2002). "Fuzzy Set Theory a Playground for Mathematicians". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 4. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Dixon et al., 2002] Dixon, P.; Corne, D.; and Oates, M. (2002). "Enhancing Real-World Applicability by Providing Confidence-in-Prediction in the XCS Classifier System". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 290–299. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [do Nascimento and Eades, 2002] do Nascimento, H. and Eades, P. (2002). "A Focus and Constraint-Based Genetic Algorithm for Interactive Directed Graph Drawing". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 634–643. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Dote, 2002] Dote, Y. (2002). "Neuro-Fuzzy Control". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 9–10. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

- [Fdez-Riverola and Corchado, 2002] Fdez-Riverola, F. and Corchado, J. (2002). "An Automated Hybrid Reasoning System for Forecasting". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 31–41. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Ferreira, 2002] Ferreira, C. (2002). "Analyzing the Founder Effect in Simulated Evolutionary Processes Using Gene Expression Programming". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 153–162. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Gokcen et al., 2002] Gokcen, I.; Peng, J.; and Buckles, B. (2002). "Active Learning Using One-class Classification". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 280–289. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Gouarderes et al., 2002] Gouarderes, S.; Gouarderes, G.; and Delpy, P. (2002). "MAYBE Multi-Agent Yield-Based Engineering: Improve Training in the Emergency Room Chain". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 529–539. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Haindl and äimberová, 2002] Haindl, M. and äimberová, S. (2002). "Model-Based Restoration of Short-Exposure Solar Images". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 697–706. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Heinen and Osório, 2002] Heinen, F. and Osório, F. (2002). "HyCAR A Robust Hybrid Control Architecture for Autonomous Robots". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 830–842. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Hirche et al., 2002] Hirche, S.; Santibanez-Koref, I.; and Boblan, I. (2002). "Design of Strong Causal Fitness Functions". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 183–192. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Iba et al., 2002] Iba, H.; Tokui, N.; and Wakaki, H. (2002). "3D-CG Avatar Motion Design by means of Interactive Evolutionary Computation". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 540–549. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Ishibuchi and Yamamoto, 2002] Ishibuchi, H. and Yamamoto, T. (2002). "Comparison of Fuzzy Rule Selection Criteria for Classification Problems". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 132–141. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Ishibuchi and Yoshida, 2002] Ishibuchi, H. and Yoshida, T. (2002). "Hybrid Evolutionary Multi-Objective Optimization Algorithms". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 163–172. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Jakovlevich, 2002] Jakovlevich, C. (2002). "Reconstruction of conditional distribution field based on empirical data". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing

- Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 462–469. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Jarur and Rodríguez, 2002] Jarur, M. and Rodríguez, M. (2002). "A non-Deterministic versus Deterministic Algorithm for Searching Spatial Configurations". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 602–611. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Jedrzejowicz and Jedrzejowicz, 2002] Jedrzejowicz, J. and Jedrzejowicz, P. (2002). "Experimental Evaluation of the PLA-Based Permutation-Scheduling". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 241–250. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Jr. et al., 2002] Jr., E. H.; Hruschka, E.; and Ebecken, N. (2002). "A Data Preparation Bayesian Approach for a Clustering Genetic Algorithm". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 453–461. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [K. Cios and W. Swiercz, 2002] K. Cios, W. J. and W. Swiercz, L. S. (2002). "Spiking Neurons in Clustering of Diabetic Retinopathy Data". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 84–94. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Kacprzyk and Zadrony, 2002] Kacprzyk, J. and Zadrony, S. (2002). "Protoforms of Linguistic Data Summaries: Towards More General Natural-Language-Based Data Minig Tools". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 7. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Kacprzyk and Zadrozny, 2002] Kacprzyk, J. and Zadrozny, S. (2002). "Protoforms of Linguistic Data Summaries: Towards More General Natural-Language-Based Data Mining Tools". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 417–425. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Kawamae, 2002] Kawamae, N. (2002). "Latent Semantic Indexing Based on Factor Analysis". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 300–308. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Khatib, 2002] Khatib, O. (2002). "Robots for the Human and Haptic Interaction". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 5. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Knowles and Corne, 2002] Knowles, J. and Corne, D. (2002). "Towards Landscape Analyses to Inform the Design of Hybrid Local Search for the Multiobjective Quadratic Assignment Problem". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 271–279. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Köppen et al., 2002] Köppen, M.; Garcia, R. V.; Liu, X.; and Nickolay, B. (2002). "2D-Histogram Lookup for Low-contrast Fault Processing". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 765–774. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

- [Kramer et al., 2002] Kramer, K.; Patzwahl, S.; and Nacke, T. (2002). "Complete Algorithm to realize CI Model-based Control and Monitoring Strategies on Microcontroller Systems". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 785–795. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Kumar, 2002] Kumar, V. (2002). "Human Reasoning In Soft Computing". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 625–633. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Langdon, 2002] Langdon, W. B. (2002). "A Hybrid Genetic Programming Neural Network Classifier for Use in Drug Discovery". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 6. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Lee et al., 2002] Lee, S.; Palmer-Brown, D.; Tepper, J.; and Roadknight, C. (2002). "Performance-guided Neural Network for Rapidly Self-Organising Active Network Management". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 21–31. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Lenic and Kokol, 2002] Lenic, M. and Kokol, P. (2002). "Combining Classifiers with Multimethod Approach". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 374–383. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Letelier et al., 2002a] Letelier, J.; Marín, G.; Mpodozis, J.; and Soto-Andrade, J. (2002a). "Anticipatory Computing with Autopoietic and (M,R) Systems". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 205–211. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Letelier et al., 2002b] Letelier, J. C.; Martin, G.; Mpodozis, J.; and Andrade, J. S. (2002b). "Anticipatory Computing with Autopoietic and (M R)Systems". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 11. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Liu and Xu, 2002] Liu, Z. and Xu, Y. (2002). "Adaptive Support Vector Classifications". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 331–340. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [M. C. Martins, 2002] M. C. Martins, I. G. (2002). "Identifying Patterns of Corporate Tax Payment". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 490–499. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Macedo and Mamdani, 2002] Macedo, S. and Mamdani, E. (2002). "Bi-Directional Flow of Information in the Softboard Architecture". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 470–479. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Marik and Mashkov, 2002] Marik, V. and Mashkov, V. (2002). "Alliance Formation with Several Coordinators". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 550–564. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

- [Marin, 2002] Marin, M. (2002). "Parallel Text Query Processing using Composite Inverted Lists". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 612–624. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Mastropasqua et al., 2002] Mastropasqua, D.; Mosca, N.; and Zambetta, F. (2002). "An XML-based specification of fuzzy logic controllers". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 124–131. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Maturana and Weber, 2002] Maturana, C. and Weber, R. (2002). "Feature Extraction by Distance Neural Network in Classification Tasks". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 384–393. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Minami and Inui, 2002] Minami, T. and Inui, T. (2002). "A Neural Network Model of Rule-guided Behavior". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 64–73. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Montiel et al., 2002] Montiel, O.; Castillo, O.; Melin, P.; and Sepulveda, R. (2002). "The Evolutionary Learning Rule for System Identification in Adaptive Finite Impulse Filters". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 755–764. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Mora-Jiménez et al., 2002] Mora-Jiménez, I.; Lyhyaoui, A.; Arenas-García, J.; Navia-Vázquez, A.; and Figueiras-Vidal, A. (2002). "A Trainable Classifier via k Nearest Neighbors". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 365–373. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Morales and Gutiérrez, 2002] Morales, E. and Gutiérrez, C. (2002). "Building Yearbooks with RDF". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 593–601. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Mukkamala and Sung, 2002] Mukkamala, S. and Sung, A. (2002). "Performance Based Feature Identification for Intrusion Detection Using Support Vector Machines". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 351–364. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Murakami et al., 2002] Murakami, M.; Yoneyama, M.; and Shirai, K. (2002). "Accurate Human Face Extraction using Genetic Algorithm and Subspace Method". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 745–754. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Nakamatsu et al., 2002] Nakamatsu, K.; Abe, J.; and Suzuki, A. (2002). "A Railway Interlocking Safety Verification System Based on Abductive Paraconsistent Logic Programming". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 775–784. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Navarrete and del solar, 2002] Navarrete, P. and del solar, J. R. (2002). "Eigenspace-based Face Recognition: A comparative study of different hybrid approaches". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications,

- Frontiers in Artificial Intelligence and Applications Vol. 87, pages 663–672. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Nolan et al., 2002] Nolan, J.; Sood, A.; and Simon, R. (2002). "SADISCO: A Scalable Agent Discovery and Composition Mechanism". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 519–528. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Oja, 2002] Oja, E. (2002). "Independent Component Analisys". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 3. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Oufroukh and Colle, 2002] Oufroukh, N. A. and Colle, E. (2002). "Pattern Recognition with Ultrasonic Sensor using Classification Methods". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 673–680. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Prudêncio and Ludermir, 2002] Prudêncio, R. C. and Ludermir, T. (2002). "Selection of Models for Time Series Prediction via Meta-Learning". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 74–83. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Rakus-Andersson and Zakrzewski, 2002] Rakus-Andersson, E. and Zakrzewski, L. (2002). "Factor Analysis with Qualitative Factors as Fuzzy Numbers". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 105–114. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Ramos et al., 2002] Ramos, V.; Muge, F.; and Pina, P. (2002). "Self-Organized Data and Image Retrieval as a Consequence of Inter-Dynamic Synergistic Relationships in Artificial Ant Colonies". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 500–512. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Ribeiro and Carvalho, 2002] Ribeiro, B. and Carvalho, P. (2002). "Mercer's Kernel Based Learning for Fault Detection". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 341–350. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Rodríguez, 2002] Rodríguez, M. (2002). "A Spatial Dimension for Searching the World Wide Web". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 583–592. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Rumantir, 2002] Rumantir, G. (2002). "Frequent Flyer Points Calculator: More Than Just a Table Lookup". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems -Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 871–880. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Saegusa and Hashimoto, 2002] Saegusa, R. and Hashimoto, S. (2002). "Nonlinear Principal Component Analysis to Preserve the Order of Principal Components". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 54–63. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

- [Sanchis and Castro, 2002] Sanchis, E. and Castro, M. (2002). "Dialogue Act Connectionist Detection in a Spoken Dialogue System". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 644–651. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Sharma, 2002] Sharma, D. (2002). "UniLR: An Automated Fuzzy Legal Reasoner". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 433–441. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Shekar and Natarajan, 2002] Shekar, B. and Natarajan, R. (2002). "A Fuzzy Relatedness Measure for Determining Interestingness of Association Rules". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 95–104. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Sinka and Corne, 2002] Sinka, M. and Corne, D. (2002). "Web and Multimedia Applications". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 881–890. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Sugimoto and Yoneyama, 2002] Sugimoto, F. and Yoneyama, M. (2002). "A Trial Method to Create a Natural Interaction in Interactive Genetic Algorithm". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 652–662. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Sunayama and Yachida, 2002] Sunayama, W. and Yachida, M. (2002). "Panoramic View System for Extracting Key Sentences based on Viewpoints and an Application to a Search Engine". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 863–870. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Sung, 2002] Sung, A. H. (2002). "Role of Soft Computing in Internet Security". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, page 8. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Torres and Pezoa, 2002] Torres, S. and Pezoa, J. (2002). "Scene-Based Nonuniformity Correction Method Using the Inverse Covariance Form of the Kalman Filter". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 715–724. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Veenhuis and Köppen, 2002] Veenhuis, C. and Köppen, M. (2002). "Document Oriented Modeling of Cellular Automata". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 309–320. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Velásquez et al., 2002] Velásquez, J.; Yasuda, H.; Aoki, T.; and Weber, R. (2002). "Voice Codification using Self Organizing Maps as Data Mining Tool". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 480–489. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Vera et al., 2002] Vera, E.; Reeves, R.; and Torres, S. (2002). "Adaptive Bias Compensation for Non-Uniformity Correction on Infrared Focal Plane Array Detectors". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 725–734. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

- [Vishwanthan and Murty, 2002] Vishwanthan, S. and Murty, M. (2002). "Jigsawing: A Method to Create Virtual Examples in OCR data". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 690–696. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Walker, 2002] Walker, R. (2002). "Simulating an Information Ecosystem within the WWW". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 891–900. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Wang et al., 2002] Wang, X.; Abraham, A.; and Smith, K. (2002). "Web Traffic Mining Using a Concurrent Neuro-Fuzzy Approach". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 853–862. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Wang and Smith, 2002] Wang, X. and Smith, K. (2002). "Clustering Web User Interests Using Self Organising Maps". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 843–852. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Weidl et al., 2002] Weidl, G.; Madsen, A.; and Dahlquist, E. (2002). "Condition Monitoring, Root Cause Analysis and Decision Support on Urgency of Actions". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 221–230. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Wiese and Glen, 2002] Wiese, K. and Glen, E. (2002). "A Permutation Based Genetic Algorithm for RNA Secondary Structure Prediction". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 173–182. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Youssif and Purdy, 2002] Youssif, R. and Purdy, C. (2002). "Combining Genetic Algorithms and Neural Networks to Build a Signal Pattern Classifier". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 735–744. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Zambetta and Catucci, 2002] Zambetta, F. and Catucci, G. (2002). "Designing Not-So-Dull Virtual Dolls". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems -Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 513–518. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Zanni et al., 2002] Zanni, C.; Goc, M. L.; and Frydman, C. (2002). "Towards a Unique Framework to Describe and Compare Diagnosis Approaches". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 231–240. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Zegers and Sundareshan, 2002] Zegers, P. and Sundareshan, M. (2002). "Determining The Degree of Generalization Using An Incremental Learning Algorithm". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 261–270. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Zemke, 2002] Zemke, S. (2002). "Ensembles in Practice: Predication, Estimation, Multi-Feature and Noisy Data". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 404–416. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Ziarko, 2002] Ziarko, W. (2002). "Set Approximation Quality Measures in the Variable Precision Rough Set Model". In Abraham, A.; Ruiz-del-Solar, J.; and Köppen, M., editors, Soft Computing Systems - Design, Management and Applications, Frontiers in Artificial Intelligence and Applications Vol. 87, pages 442–452. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.