

## Список литературы

- [Abraham *et al.*(2002) Abraham, Ruiz-del-Solar, & Köppen] Abraham, A., Ruiz-del-Solar, J., & Köppen, M. (Eds.) (2002). *Soft Computing Systems - Design, Management and Applications*, vol. 87 of *Frontiers in Artificial Intelligence and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.
- [Aguilar & Perozo(2002)] Aguilar, J. & Perozo, N. (2002). Sparse distributed memory with adaptive threshold. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 426–432.
- [Ali & Abraham(2002)] Ali, A. S. & Abraham, A. (2002). An empirical comparison of kernel selection for support vector machines. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 321–330.
- [Amali *et al.*(2002) Amali, Vinney, Noroozi, & Patel] Amali, R., Vinney, J., Noroozi, S., & Patel, V. (2002). The use of a back propagation neural network to determine the load distribution on a component. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 15–20.
- [Angkawattanawit & Rungsawang(2002)] Angkawattanawit, N. & Rungsawang, A. (2002). Learnable topic-specific web crawler. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 573–582.
- [Asseraf(2002)] Asseraf, M. (2002). An efficient algorithm in optimal partition problem for trees induction. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 212–220.
- [Astrain *et al.*(2002) Astrain, Garitagoitia, Villadangos, Fariña, & Córdoba] Astrain, J., Garitagoitia, J., Villadangos, J., Fariña, F., & Córdoba, A. (2002). An imperfect string matching experience using deformed fuzzy automata. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 115–123.
- [Baeza-Yates & Castillo(2002)] Baeza-Yates, R. & Castillo, C. (2002). Balancing volume, quality and freshness in web crawling. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 565–572.
- [Batista & Monard(2002)] Batista, G. E. A. P. A. & Monard, M. (2002). A study of k-nearest neighbour as an imputation method. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 251–260.
- [Beker & Hadany(2002)] Beker, T. & Hadany, L. (2002). Noise and elitism in evolutionary computation. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 193–203.
- [Bologna(2002)] Bologna, G. (2002). Rule extraction from bagged neural networks. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., *Frontiers in Artificial Intelligence and Applications* Vol. 87, 42–53.

- [Brouwer(2002)] Brouwer, R. (2002). Using a helper fn to represent the cost function for training drnn's by gradient descent. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 707–714.
- [Castilho *et al.*(2002)Castilho, Nicoletti, & Debs] Castilho, V., Nicoletti, M., & Debs, M. E. (2002). Using genetic algorithms for minimizing the production costs of hollow core slabs. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 796–805.
- [Cheng *et al.*(2002)Cheng, Chen, Tseng, Fu, & Pao] Cheng, S., Chen, Y., Tseng, C., Fu, H., & Pao, H. (2002). A self-growing probabilistic decision-based neural network with applications to anchor/speaker identification. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 818–829.
- [Chervonenkis(2002)] Chervonenkis, A. J. (2002). Reconstruction of conditional distribution field based on empirical data. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 462–469.
- [Cock(2002)] Cock, M. D. (2002). Linguistic hedges: a quantifier based approach. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 142–152.
- [Cuppens *et al.*(2002)Cuppens, Autrel, Miège, & Benferhat] Cuppens, F., Autrel, F., Miège, A., & Benferhat, S. (2002). Recognizing malicious intention in an intrusion detection process. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 806–817.
- [D. Partridge(2002)] D. Partridge, S. C. (2002). Revealing feature interactions in classification tasks. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 394–403.
- [de Baets(2002)] de Baets, B. (2002). Fuzzy set theory - a playground for mathematicians. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 4.
- [Dixon *et al.*(2002)Dixon, Corne, & Oates] Dixon, P., Corne, D., & Oates, M. (2002). Enhancing real-world applicability by providing confidence-in-prediction in the xcs classifier system. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 290–299.
- [do Nascimento & Eades(2002)] do Nascimento, H. & Eades, P. (2002). A focus and constraint-based genetic algorithm for interactive directed graph drawing. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 634–643.
- [Dote(2002)] Dote, Y. (2002). Neuro-fuzzy control. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 9–10.

- [Fdez-Riverola & Corchado(2002)] Fdez-Riverola, F. & Corchado, J. (2002). An automated hybrid reasoning system for forecasting. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 31–41.
- [Ferreira(2002)] Ferreira, C. (2002). Analyzing the founder effect in simulated evolutionary processes using gene expression programming. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 153–162.
- [Gokcen *et al.*(2002)Gokcen, Peng, & Buckles] Gokcen, I., Peng, J., & Buckles, B. (2002). Active learning using one-class classification. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 280–289.
- [Gouarderes *et al.*(2002)Gouarderes, Gouarderes, & Delpy] Gouarderes, S., Gouarderes, G., & Delpy, P. (2002). Maybe - multi-agent yield-based engineering : Improve training in the emergency room chain. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 529–539.
- [Haindl & äimberová(2002)] Haindl, M. & äimberová, S. (2002). Model-based restoration of short-exposure solar images. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 697–706.
- [Heinen & Osório(2002)] Heinen, F. & Osório, F. (2002). Hycar - a robust hybrid control architecture for autonomous robots. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 830–842.
- [Hirche *et al.*(2002)Hirche, Santibanez-Koref, & Boblan] Hirche, S., Santibanez-Koref, I., & Boblan, I. (2002). Design of strong causal fitness functions. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 183–192.
- [Iba *et al.*(2002)Iba, Tokui, & Wakaki] Iba, H., Tokui, N., & Wakaki, H. (2002). 3d-cg avatar motion design by means of interactive evolutionary computation. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 540–549.
- [Ishibuchi & Yamamoto(2002)] Ishibuchi, H. & Yamamoto, T. (2002). Comparison of fuzzy rule selection criteria for classification problems. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 132–141.
- [Ishibuchi & Yoshida(2002)] Ishibuchi, H. & Yoshida, T. (2002). Hybrid evolutionary multi-objective optimization algorithms. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 163–172.
- [Jakovlevich(2002)] Jakovlevich, C. (2002). Reconstruction of conditional distribution field based on empirical data. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 462–469.

- [Jarur & Rodríguez(2002)] Jarur, M. & Rodríguez, M. (2002). A non-deterministic versus deterministic algorithm for searching spatial configurations. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 602–611.
- [Jedrzejowicz & Jedrzejowicz(2002)] Jedrzejowicz, J. & Jedrzejowicz, P. (2002). Experimental evaluation of the pla-based permutation-scheduling. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 241–250.
- [Jr. *et al.*(2002)Jr., Hruschka, & Ebecken] Jr., E. H., Hruschka, E., & Ebecken, N. (2002). A data preparation bayesian approach for a clustering genetic algorithm. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 453–461.
- [K. Cios & W. Swiercz(2002)] K. Cios, W. J. & W. Swiercz, L. S. (2002). Spiking neurons in clustering of diabetic retinopathy data. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 84–94.
- [Kacprzyk & Zadrony(2002)] Kacprzyk, J. & Zadrony, S. (2002). Protoforms of linguistic data summaries : Towards more general natural-language-based data minig tools. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 7.
- [Kacprzyk & Zadrozny(2002)] Kacprzyk, J. & Zadrozny, S. (2002). Protoforms of linguistic data summaries: Towards more general natural-language-based data mining tools. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 417–425.
- [Kawamae(2002)] Kawamae, N. (2002). Latent semantic indexing based on factor analysis. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 300–308.
- [Khatib(2002)] Khatib, O. (2002). Robots for the human and haptic interaction. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 5.
- [Knowles & Corne(2002)] Knowles, J. & Corne, D. (2002). Towards landscape analyses to inform the design of hybrid local search for the multiobjective quadratic assignment problem. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 271–279.
- [Köppen *et al.*(2002)Köppen, Garcia, Liu, & Nickolay] Köppen, M., Garcia, R. V., Liu, X., & Nickolay, B. (2002). 2d-histogram lookup for low-contrast fault processing. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 765–774.
- [Kramer *et al.*(2002)Kramer, Patzwahl, & Nacke] Kramer, K., Patzwahl, S., & Nacke, T. (2002). Complete algorithm to realize ci model-based control and monitoring strategies on microcontroller

- systems. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 785–795.
- [Kumar(2002)] Kumar, V. (2002). Human reasoning in soft computing. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 625–633.
- [Langdon(2002)] Langdon, W. B. (2002). A hybrid genetic programming neural network classifier for use in drug discovery. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 6.
- [Lee *et al.*(2002)Lee, Palmer-Brown, Tepper, & Roadknight] Lee, S., Palmer-Brown, D., Tepper, J., & Roadknight, C. (2002). Performance-guided neural network for rapidly self-organising active network management. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 21–31.
- [Lenic & Kokol(2002)] Lenic, M. & Kokol, P. (2002). Combining classifiers with multimethod approach. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 374–383.
- [Letelier *et al.*(2002a)Letelier, Marín, Mpodozis, & Soto-Andrade] Letelier, J., Marín, G., Mpodozis, J., & Soto-Andrade, J. (2002a). Anticipatory computing with autopoietic and (m,r) systems. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 205–211.
- [Letelier *et al.*(2002b)Letelier, Martin, Mpodozis, & Andrade] Letelier, J. C., Martin, G., Mpodozis, J., & Andrade, J. S. (2002b). Anticipatory computing with autopoietic and (m r)systems. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 11.
- [Liu & Xu(2002)] Liu, Z. & Xu, Y. (2002). Adaptive support vector classifications. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 331–340.
- [M. C. Martins(2002)] M. C. Martins, I. G. (2002). Identifying patterns of corporate tax payment. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 490–499.
- [Macedo & Mamdani(2002)] Macedo, S. & Mamdani, E. (2002). Bi-directional flow of information in the softboard architecture. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 470–479.
- [Marik & Mashkov(2002)] Marik, V. & Mashkov, V. (2002). Alliance formation with several coordinators. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 550–564.
- [Marin(2002)] Marin, M. (2002). Parallel text query processing using composite inverted lists. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 612–624.

- [Mastropasqua *et al.*(2002)Mastropasqua, Mosca, & Zambetta] Mastropasqua, D., Mosca, N., & Zambetta, F. (2002). An xml-based specification of fuzzy logic controllers. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 124–131.
- [Maturana & Weber(2002)] Maturana, C. & Weber, R. (2002). Feature extraction by distance neural network in classification tasks. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 384–393.
- [Minami & Inui(2002)] Minami, T. & Inui, T. (2002). A neural network model of rule-guided behavior. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 64–73.
- [Montiel *et al.*(2002)Montiel, Castillo, Melin, & Sepulveda] Montiel, O., Castillo, O., Melin, P., & Sepulveda, R. (2002). The evolutionary learning rule for system identification in adaptive finite impulse filters. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 755–764.
- [Mora-Jiménez *et al.*(2002)Mora-Jiménez, Lyhyaoui, Arenas-García, Navia-Vázquez, & Figueiras-Vidal] Mora-Jiménez, I., Lyhyaoui, A., Arenas-García, J., Navia-Vázquez, A., & Figueiras-Vidal, A. (2002). A trainable classifier via k nearest neighbors. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 365–373.
- [Morales & Gutiérrez(2002)] Morales, E. & Gutiérrez, C. (2002). Building yearbooks with rdf. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 593–601.
- [Mukkamala & Sung(2002)] Mukkamala, S. & Sung, A. (2002). Performance based feature identification for intrusion detection using support vector machines. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 351–364.
- [Murakami *et al.*(2002)Murakami, Yoneyama, & Shirai] Murakami, M., Yoneyama, M., & Shirai, K. (2002). Accurate human face extraction using genetic algorithm and subspace method. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 745–754.
- [Nakamatsu *et al.*(2002)Nakamatsu, Abe, & Suzuki] Nakamatsu, K., Abe, J., & Suzuki, A. (2002). A railway interlocking safety verification system based on abductive paraconsistent logic programming. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 775–784.
- [Navarrete & del solar(2002)] Navarrete, P. & del solar, J. R. (2002). Eigenspace-based face recognition: A comparative study of different hybrid approaches. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 663–672.

- [Nolan *et al.*(2002)] Nolan, J., Sood, A., & Simon, R. (2002). Sadisco: A scalable agent discovery and composition mechanism. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 519–528.
- [Oja(2002)] Oja, E. (2002). Independent component analysis. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 3.
- [Oufroukh & Colle(2002)] Oufroukh, N. A. & Colle, E. (2002). Pattern recognition with ultrasonic sensor using classification methods. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 673–680.
- [Prudêncio & Ludermir(2002)] Prudêncio, R. C. & Ludermir, T. (2002). Selection of models for time series prediction via meta-learning. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 74–83.
- [Rakus-Andersson & Zakrzewski(2002)] Rakus-Andersson, E. & Zakrzewski, L. (2002). Factor analysis with qualitative factors as fuzzy numbers. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 105–114.
- [Ramos *et al.*(2002)] Ramos, Muge, & Pina] Ramos, V., Muge, F., & Pina, P. (2002). Self-organized data and image retrieval as a consequence of inter-dynamic synergistic relationships in artificial ant colonies. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 500–512.
- [Ribeiro & Carvalho(2002)] Ribeiro, B. & Carvalho, P. (2002). Mercer’s kernel based learning for fault detection. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 341–350.
- [Rodríguez(2002)] Rodríguez, M. (2002). A spatial dimension for searching the world wide web. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 583–592.
- [Rumantir(2002)] Rumantir, G. (2002). Frequent flyer points calculator: More than just a table lookup. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 871–880.
- [Saegusa & Hashimoto(2002)] Saegusa, R. & Hashimoto, S. (2002). Nonlinear principal component analysis to preserve the order of principal components. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 54–63.
- [Sanchis & Castro(2002)] Sanchis, E. & Castro, M. (2002). Dialogue act connectionist detection in a spoken dialogue system. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 644–651.

- [Sharma(2002)] Sharma, D. (2002). Unilr: An automated fuzzy legal reasoner. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 433–441.
- [Shekar & Natarajan(2002)] Shekar, B. & Natarajan, R. (2002). A fuzzy relatedness measure for determining interestingness of association rules. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 95–104.
- [Sinka & Corne(2002)] Sinka, M. & Corne, D. (2002). Web and multimedia applications. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 881–890.
- [Sugimoto & Yoneyama(2002)] Sugimoto, F. & Yoneyama, M. (2002). A trial method to create a natural interaction in interactive genetic algorithm. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 652–662.
- [Sunayama & Yachida(2002)] Sunayama, W. & Yachida, M. (2002). Panoramic view system for extracting key sentences based on viewpoints and an application to a search engine. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 863–870.
- [Sung(2002)] Sung, A. H. (2002). Role of soft computing in internet security. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 8.
- [Torres & Pezoa(2002)] Torres, S. & Pezoa, J. (2002). Scene-based nonuniformity correction method using the inverse covariance form of the kalman filter. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 715–724.
- [Veenhuis & Köppen(2002)] Veenhuis, C. & Köppen, M. (2002). Document oriented modeling of cellular automata. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 309–320.
- [Velásquez *et al.*(2002)] Velásquez, Yasuda, Aoki, & Weber] Velásquez, J., Yasuda, H., Aoki, T., & Weber, R. (2002). Voice codification using self organizing maps as data mining tool. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 480–489.
- [Vera *et al.*(2002)] Vera, Reeves, & Torres] Vera, E., Reeves, R., & Torres, S. (2002). Adaptive bias compensation for non-uniformity correction on infrared focal plane array detectors. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 725–734.
- [Vishwanathan & Murty(2002)] Vishwanathan, S. & Murty, M. (2002). Jigsawing : A method to create virtual examples in ocr data. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 690–696.



- [Walker(2002)] Walker, R. (2002). Simulating an information ecosystem within the www. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 891–900.
- [Wang et al.(2002)Wang, Abraham, & Smith] Wang, X., Abraham, A., & Smith, K. (2002). Web traffic mining using a concurrent neuro-fuzzy approach. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 853–862.
- [Wang & Smith(2002)] Wang, X. & Smith, K. (2002). Clustering web user interests using self organising maps. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 843–852.
- [Weidl et al.(2002)Weidl, Madsen, & Dahlquist] Weidl, G., Madsen, A., & Dahlquist, E. (2002). Condition monitoring, root cause analysis and decision support on urgency of actions. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 221–230.
- [Wiese & Glen(2002)] Wiese, K. & Glen, E. (2002). A permutation based genetic algorithm for rna secondary structure prediction. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 173–182.
- [Youssif & Purdy(2002)] Youssif, R. & Purdy, C. (2002). Combining genetic algorithms and neural networks to build a signal pattern classifier. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 735–744.
- [Zambetta & Catucci(2002)] Zambetta, F. & Catucci, G. (2002). Designing not-so-dull virtual dolls. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 513–518.
- [Zanni et al.(2002)Zanni, Goc, & Frydman] Zanni, C., Goc, M. L., & Frydman, C. (2002). Towards a unique framework to describe and compare diagnosis approaches. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 231–240.
- [Zegers & Sundareshan(2002)] Zegers, P. & Sundareshan, M. (2002). Determining the degree of generalization using an incremental learning algorithm. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 261–270.
- [Zemke(2002)] Zemke, S. (2002). Ensembles in practice: Predication, estimation, multi-feature and noisy data. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 404–416.
- [Ziarko(2002)] Ziarko, W. (2002). Set approximation quality measures in the variable precision rough set model. In A. Abraham, J. Ruiz-del-Solar, & M. Köppen (Eds.), *Soft Computing Systems - Design, Management and Applications*. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., Frontiers in Artificial Intelligence and Applications Vol. 87, 442–452.