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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 426–432, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Ali & Abraham(2002)] Ali, A.S. & Abraham, A. (2002) An empirical comparison of kernel selection for support vector machines. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 321–330, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 15–20, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Angkawattanawit & Rungsawang(2002)] Angkawattanawit, N. & Rungsawang, A. (2002) Learnable topic-specific web crawler. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 212–220, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 115–123, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Baeza-Yates & Castillo(2002)] Baeza-Yates, R. & Castillo, C. (2002) Balancing volume, quality and freshness in web crawling. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 565–572, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Batista & Monard(2002)] Batista, G.E.A.P.A. & Monard, M. (2002) A study of k-nearest neighbour as an imputation method. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 251–260, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Beker & Hadany(2002)] Beker, T. & Hadany, L. (2002) Noise and elitism in evolutionary computation. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 193–203, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Bologna(2002)] Bologna, G. (2002) Rule extraction from bagged neural networks. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 707–714, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 796–805, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 462–469, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Cock(2002)] Cock, M.D. (2002) Linguistic hedges: a quantifier based approach. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 142–152, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 4, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 290–299, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[do Nascimento & Eades(2002)] do Nascimento, H. & Eades, P. (2002) A focus and constraint-based genetic algorithm for interactive directed graph drawing. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 634–643, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Dote(2002)] Dote, Y. (2002) Neuro-fuzzy control. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 9–10, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Fdez-Riverola & Corchado(2002)] Fdez-Riverola, F. & Corchado, J. (2002) An automated hybrid reasoning system for forecasting. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 153–162, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Gokcen *et al.*(2002)Gokcen, Peng & Buckles] Gokcen, I., Peng, J. & Buckles, B. (2002) Active learning using one-class classification. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 280–289, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 529–539, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Haindl & äimberová(2002)] Haindl, M. & äimberová, S. (2002) Model-based restoration of short-exposure solar images. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 697–706, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Heinen & Osório(2002)] Heinen, F. & Osório, F. (2002) Hycar - a robust hybrid control architecture for autonomous robots. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 830–842, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Hirche *et al.*(2002)Hirche, Santibanez-Koref & Boblan] Hirche, S., Santibanez-Koref, I. & Boblan, I. (2002) Design of strong causal fitness functions. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 183–192, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 540–549, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Ishibuchi & Yamamoto(2002)] Ishibuchi, H. & Yamamoto, T. (2002) Comparison of fuzzy rule selection criteria for classification problems. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 132–141, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Ishibuchi & Yoshida(2002)] Ishibuchi, H. & Yoshida, T. (2002) Hybrid evolutionary multi-objective optimization algorithms. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 462–469, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Jarur & Rodríguez(2002)] Jarur, M. & Rodríguez, M. (2002) A non-deterministic versus deterministic algorithm for searching spatial configurations. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 602–611, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Jedrzejowicz & Jedrzejowicz(2002)] Jedrzejowicz, J. & Jedrzejowicz, P. (2002) Experimental evaluation of the pla-based permutation-scheduling. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 241–250, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 453–461, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[K. Cios & W. Swiercz(2002)] K. Cios, W.J. & W. Swiercz, L.S. (2002) Spiking neurons in clustering of diabetic retinopathy data. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 84–94, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Kacprzyk & Zadrony(2002)] Kacprzyk, J. & Zadrony, S. (2002) Protoforms of linguistic data summaries : Towards more general natural-language-based data minig tools. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 7, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Kacprzyk & Zadrozny(2002)] Kacprzyk, J. & Zadrozny, S. (2002) Protoforms of linguistic data summaries: Towards more general natural-language-based data mining tools. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 417–425, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Kawamae(2002)] Kawamae, N. (2002) Latent semantic indexing based on factor analysis. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 300–308, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Khatib(2002)] Khatib, O. (2002) Robots for the human and haptic interaction. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 5, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 271–279, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 765–774, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham,

J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 785–795, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Kumar(2002)] Kumar, V. (2002) Human reasoning in soft computing. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 6, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 21–31, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Lenic & Kokol(2002)] Lenic, M. & Kokol, P. (2002) Combining classifiers with multimethod approach. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 374–383, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 205–211, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 11, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Liu & Xu(2002)] Liu, Z. & Xu, Y. (2002) Adaptive support vector classifications. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 490–499, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Macedo & Mamdani(2002)] Macedo, S. & Mamdani, E. (2002) Bi-directional flow of information in the softboard architecture. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 470–479, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Marik & Mashkov(2002)] Marik, V. & Mashkov, V. (2002) Alliance formation with several coordinators. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 550–564, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Marin(2002)] Marin, M. (2002) Parallel text query processing using composite inverted lists. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 612–624, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Mastropasqua *et al.*(2002)Mastropasqua, Mosca & Zambetta] Mastropasqua, D., Mosca, N. & Zambetta, F. (2002) An xml-based specification of fuzzy logic controllers. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 124–131, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Maturana & Weber(2002)] Maturana, C. & Weber, R. (2002) Feature extraction by distance neural network in classification tasks. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 384–393, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Minami & Inui(2002)] Minami, T. & Inui, T. (2002) A neural network model of rule-guided behavior. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 64–73, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 755–764, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 365–373, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Morales & Gutiérrez(2002)] Morales, E. & Gutiérrez, C. (2002) Building yearbooks with rdf. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 593–601, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Mukkamala & Sung(2002)] Mukkamala, S. & Sung, A. (2002) Performance based feature identification for intrusion detection using support vector machines. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 351–364, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Murakami *et al.*(2002)Murakami, Yoneyama & Shirai] Murakami, M., Yoneyama, M. & Shirai, K. (2002) Accurate human face extraction using genetic algorithm and subspace method. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 745–754, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 775–784, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Navarrete & del solar(2002)] Navarrete, P. & del solar, J.R. (2002) Eigenspace-based face recognition: A comparative study of different hybrid approaches. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 663–672, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Nolan *et al.*(2002)Nolan, Sood & Simon] Nolan, J., Sood, A. & Simon, R. (2002) Sadisco: A scalable agent discovery and composition mechanism. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 519–528, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Oja(2002)] Oja, E. (2002) Independent component analisys. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 3, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Oufroukh & Colle(2002)] Oufroukh, N.A. & Colle, E. (2002) Pattern recognition with ultrasonic sensor using classification methods. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 673–680, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Prudêncio & Ludermir(2002)] Prudêncio, R.C. & Ludermir, T. (2002) Selection of models for time series prediction via meta-learning. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 74–83, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Rakus-Andersson & Zakrzewski(2002)] Rakus-Andersson, E. & Zakrzewski, L. (2002) Factor analysis with qualitative factors as fuzzy numbers. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 105–114, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 500–512, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Ribeiro & Carvalho(2002)] Ribeiro, B. & Carvalho, P. (2002) Mercer's kernel based learning for fault detection. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 871–880, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Saegusa & Hashimoto(2002)] Saegusa, R. & Hashimoto, S. (2002) Nonlinear principal component analysis to preserve the order of principal components. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 54–63, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Sanchis & Castro(2002)] Sanchis, E. & Castro, M. (2002) Dialogue act connectionist detection in a spoken dialogue system. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 644–651, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Sharma(2002)] Sharma, D. (2002) Unilr: An automated fuzzy legal reasoner. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 433–441, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Shekar & Natarajan(2002)] Shekar, B. & Natarajan, R. (2002) A fuzzy relatedness measure for determining interestingness of association rules. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 95–104, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Sinka & Corne(2002)] Sinka, M. & Corne, D. (2002) Web and multimedia applications. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 881–890, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Sugimoto & Yoneyama(2002)] Sugimoto, F. & Yoneyama, M. (2002) A trial method to create a natural interaction in interactive genetic algorithm. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 652–662, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 863–870, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Sung(2002)] Sung, A.H. (2002) Role of soft computing in internet security. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, p. 8, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Torres & Pezoa(2002)] Torres, S. & Pezoa, J. (2002) Scene-based nonuniformity correction method using the inverse covariance form of the kalman filter. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 715–724, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Veenhuis & Köppen(2002)] Veenhuis, C. & Köppen, M. (2002) Document oriented modeling of cellular automata. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 309–320, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 480–489, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 725–734, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Vishwanthan & Murty(2002)] Vishwanthan, S. & Murty, M. (2002) Jigsawing : A method to create virtual examples in ocr data. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 690–696, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Walker(2002)] Walker, R. (2002) Simulating an information ecosystem within the www. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 891–900, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Wang *et al.*(2002)Wang, Abraham & Smith] Wang, X., Abraham, A. & Smith, K. (2002) Web traffic mining using a concurrent neuro-fuzzy approach. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 853–862, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Wang & Smith(2002)] Wang, X. & Smith, K. (2002) Clustering web user interests using self organising maps. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 843–852, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 221–230, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Wiese & Glen(2002)] Wiese, K. & Glen, E. (2002) A permutation based genetic algorithm for rna secondary structure prediction. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 173–182, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Youssif & Purdy(2002)] Youssif, R. & Purdy, C. (2002) Combining genetic algorithms and neural networks to build a signal pattern classifier. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 735–744, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Zambetta & Catucci(2002)] Zambetta, F. & Catucci, G. (2002) Designing not-so-dull virtual dolls. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 513–518, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 231–240, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.

[Zegers & Sundareshan(2002)] Zegers, P. & Sundareshan, M. (2002) Determining the degree of generalization using an incremental learning algorithm. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 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. *Soft Computing Systems - Design, Management and Applications* (eds. A. Abraham, J. Ruiz-del-Solar & M. Köppen), Frontiers in Artificial Intelligence and Applications Vol. 87, pp. 442–452, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C.