## Список литературы

- A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds., Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications, vol. 87. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002.
- [2] J. Aguilar and N. Perozo, "Sparse distributed memory with adaptive threshold," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 426–432.
- [3] A. S. Ali and A. Abraham, "An empirical comparison of kernel selection for support vector machines," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 321–330.
- [4] R. Amali, J. Vinney, S. Noroozi, and V. Patel, "The use of a back propagation neural network to determine the load distribution on a component," in *Soft Computing Systems - Design*, *Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 15–20.
- [5] N. Angkawattanawit and A. Rungsawang, "Learnable topic-specific web crawler," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 573–582.
- [6] M. Asseraf, "An efficient algorithm in optimal partition problem for trees induction," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 212–220.
- [7] J. Astrain, J. Garitagoitia, J. Villadangos, F. Fariña, and A. Córdoba, "An imperfect string matching experience using deformed fuzzy automata," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 115–123.
- [8] R. Baeza-Yates and C. Castillo, "Balancing volume, quality and freshness in web crawling," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 565–572.
- [9] G. E. A. P. A. Batista and M. Monard, "A study of k-nearest neighbour as an imputation method," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 251–260.
- [10] T. Beker and L. Hadany, "Noise and elitism in evolutionary computation," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 193–203.
- [11] G. Bologna, "Rule extraction from bagged neural networks," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 42–53.
- [12] R. Brouwer, "Using a helper ffn to represent the cost function for training drnn's by gradient descent," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 707-714.

- [13] V. Castilho, M. Nicoletti, and M. E. Debs, "Using genetic algorithms for minimizing the production costs of hollow core slabs," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 796–805.
- [14] S. Cheng, Y. Chen, C. Tseng, H. Fu, and H. Pao, "A self-growing probabilistic decision-based neural network with applications to anchor/speaker identification," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 818–829.
- [15] A. J. Chervonenkis, "Reconstruction of conditional distribution field based on empirical data," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 462–469.
- [16] M. D. Cock, "Linguistic hedges: a quantifier based approach," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 142–152.
- [17] F. Cuppens, F. Autrel, A. Miège, and S. Benferhat, "Recognizing malicious intention in an intrusion detection process," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 806–817.
- [18] S. C. D. Partridge, "Revealing feature interactions in classification tasks," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 394–403.
- [19] B. de Baets, "Fuzzy set theory a playground for mathematicians," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 4.
- [20] P. Dixon, D. Corne, and M. Oates, "Enhancing real-world applicability by providing confidence-in-prediction in the xcs classifier system," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 290–299.
- [21] H. do Nascimento and P. Eades, "A focus and constraint-based genetic algorithm for interactive directed graph drawing," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 634–643.
- [22] Y. Dote, "Neuro-fuzzy control," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 9–10.
- [23] F. Fdez-Riverola and J. Corchado, "An automated hybrid reasoning system for forecasting," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 31–41.

- [24] C. Ferreira, "Analyzing the founder effect in simulated evolutionary processes using gene expression programming," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 153–162.
- [25] I. Gokcen, J. Peng, and B. Buckles, "Active learning using one-class classification," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 280–289.
- [26] S. Gouarderes, G. Gouarderes, and P. Delpy, "Maybe multi-agent yield-based engineering: Improve training in the emergency room chain," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 529–539.
- [27] M. Haindl and S. äimberová, "Model-based restoration of short-exposure solar images," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 697–706.
- [28] F. Heinen and F. Osório, "Hycar a robust hybrid control architecture for autonomous robots," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 830–842.
- [29] S. Hirche, I. Santibanez-Koref, and I. Boblan, "Design of strong causal fitness functions," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 183–192.
- [30] H. Iba, N. Tokui, and H. Wakaki, "3d-cg avatar motion design by means of interactive evolutionary computation," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 540–549.
- [31] H. Ishibuchi and T. Yamamoto, "Comparison of fuzzy rule selection criteria for classification problems," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 132–141.
- [32] H. Ishibuchi and T. Yoshida, "Hybrid evolutionary multi-objective optimization algorithms," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 163–172.
- [33] C. Jakovlevich, "Reconstruction of conditional distribution field based on empirical data," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 462–469.
- [34] M. Jarur and M. Rodríguez, "A non-deterministic versus deterministic algorithm for searching spatial configurations," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 602–611.
- [35] J. Jedrzejowicz and P. Jedrzejowicz, "Experimental evaluation of the pla-based permutation-scheduling," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 241–250.

- [36] E. H. Jr., E. Hruschka, and N. Ebecken, "A data preparation bayesian approach for a clustering genetic algorithm," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 453–461.
- [37] W. J. K. Cios and L. S. W. Swiercz, "Spiking neurons in clustering of diabetic retinopathy data," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 84–94.
- [38] J. Kacprzyk and S. Zadrozny, "Protoforms of linguistic data summaries: Towards more general natural-language-based data mining tools," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 417–425.
- [39] J. Kacprzyk and S. Zadrony, "Protoforms of linguistic data summaries: Towards more general natural-language-based data minig tools," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 7.
- [40] N. Kawamae, "Latent semantic indexing based on factor analysis," in Soft Computing Systems -Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 300–308.
- [41] O. Khatib, "Robots for the human and haptic interaction," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 5.
- [42] J. Knowles and D. Corne, "Towards landscape analyses to inform the design of hybrid local search for the multiobjective quadratic assignment problem," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 271–279.
- [43] M. Köppen, R. V. Garcia, X. Liu, and B. Nickolay, "2d-histogram lookup for low-contrast fault processing," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 765–774.
- [44] K. Kramer, S. Patzwahl, and T. Nacke, "Complete algorithm to realize ci model-based control and monitoring strategies on microcontroller systems," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 785–795.
- [45] V. Kumar, "Human reasoning in soft computing," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 625–633.
- [46] W. B. Langdon, "A hybrid genetic programming neural network classifier for use in drug discovery," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 6.

- [47] S. Lee, D. Palmer-Brown, J. Tepper, and C. Roadknight, "Performance-guided neural network for rapidly self-organising active network management," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 21–31.
- [48] M. Lenic and P. Kokol, "Combining classifiers with multimethod approach," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 374–383.
- [49] J. Letelier, G. Marín, J. Mpodozis, and J. Soto-Andrade, "Anticipatory computing with autopoietic and (m,r) systems," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 205–211.
- [50] J. C. Letelier, G. Martin, J. Mpodozis, and J. S. Andrade, "Anticipatory computing with autopoietic and (m r)systems," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 11.
- [51] Z. Liu and Y. Xu, "Adaptive support vector classifications," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 331–340.
- [52] I. G. M. C. Martins, "Identifying patterns of corporate tax payment," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 490–499.
- [53] S. Macedo and E. Mamdani, "Bi-directional flow of information in the softboard architecture," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 470–479.
- [54] V. Marik and V. Mashkov, "Alliance formation with several coordinators," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 550–564.
- [55] M. Marin, "Parallel text query processing using composite inverted lists," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 612–624.
- [56] D. Mastropasqua, N. Mosca, and F. Zambetta, "An xml-based specification of fuzzy logic controllers," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 124–131.
- [57] C. Maturana and R. Weber, "Feature extraction by distance neural network in classification tasks," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 384–393.
- [58] T. Minami and T. Inui, "A neural network model of rule-guided behavior," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 64–73.

- [59] O. Montiel, O. Castillo, P. Melin, and R. Sepulveda, "The evolutionary learning rule for system identification in adaptive finite impulse filters," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 755–764.
- [60] I. Mora-Jiménez, A. Lyhyaoui, J. Arenas-García, A. Navia-Vázquez, and A. Figueiras-Vidal, "A trainable classifier via k nearest neighbors," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 365–373.
- [61] E. Morales and C. Gutiérrez, "Building yearbooks with rdf," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 593-601.
- [62] S. Mukkamala and A. Sung, "Performance based feature identification for intrusion detection using support vector machines," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 351–364.
- [63] M. Murakami, M. Yoneyama, and K. Shirai, "Accurate human face extraction using genetic algorithm and subspace method," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 745–754.
- [64] K. Nakamatsu, J. Abe, and A. Suzuki, "A railway interlocking safety verification system based on abductive paraconsistent logic programming," in *Soft Computing Systems - Design, Management* and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 775–784.
- [65] P. Navarrete and J. R. del solar, "Eigenspace-based face recognition: A comparative study of different hybrid approaches," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 663–672.
- [66] J. Nolan, A. Sood, and R. Simon, "Sadisco: A scalable agent discovery and composition mechanism," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 519–528.
- [67] E. Oja, "Independent component analisys," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 3.
- [68] N. A. Oufroukh and E. Colle, "Pattern recognition with ultrasonic sensor using classification methods," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 673–680.
- [69] R. C. Prudêncio and T. Ludermir, "Selection of models for time series prediction via metalearning," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 74–83.

- [70] E. Rakus-Andersson and L. Zakrzewski, "Factor analysis with qualitative factors as fuzzy numbers," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 105–114.
- [71] V. Ramos, F. Muge, and P. Pina, "Self-organized data and image retrieval as a consequence of inter-dynamic synergistic relationships in artificial ant colonies," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 500-512.
- [72] B. Ribeiro and P. Carvalho, "Mercer's kernel based learning for fault detection," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 341–350.
- [73] M. Rodríguez, "A spatial dimension for searching the world wide web," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 583–592.
- [74] G. Rumantir, "Frequent flyer points calculator: More than just a table lookup," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 871–880.
- [75] R. Saegusa and S. Hashimoto, "Nonlinear principal component analysis to preserve the order of principal components," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 54–63.
- [76] E. Sanchis and M. Castro, "Dialogue act connectionist detection in a spoken dialogue system," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 644–651.
- [77] D. Sharma, "Unilr: An automated fuzzy legal reasoner," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 433–441.
- [78] B. Shekar and R. Natarajan, "A fuzzy relatedness measure for determining interestingness of association rules," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 95–104.
- [79] M. Sinka and D. Corne, "Web and multimedia applications," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 881–890.
- [80] F. Sugimoto and M. Yoneyama, "A trial method to create a natural interaction in interactive genetic algorithm," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 652–662.

- [81] W. Sunayama and M. Yachida, "Panoramic view system for extracting key sentences based on viewpoints and an application to a search engine," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 863–870.
- [82] A. H. Sung, "Role of soft computing in internet security," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 8.
- [83] S. Torres and J. Pezoa, "Scene-based nonuniformity correction method using the inverse covariance form of the kalman filter," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 715–724.
- [84] C. Veenhuis and M. Köppen, "Document oriented modeling of cellular automata," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 309–320.
- [85] J. Velásquez, H. Yasuda, T. Aoki, and R. Weber, "Voice codification using self organizing maps as data mining tool," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 480–489.
- [86] E. Vera, R. Reeves, and S. Torres, "Adaptive bias compensation for non-uniformity correction on infrared focal plane array detectors," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 725–734.
- [87] S. Vishwanthan and M. Murty, "Jigsawing: A method to create virtual examples in ocr data," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 690–696.
- [88] R. Walker, "Simulating an information ecosystem within the www," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 891–900.
- [89] X. Wang, A. Abraham, and K. Smith, "Web traffic mining using a concurrent neuro-fuzzy approach," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 853–862.
- [90] X. Wang and K. Smith, "Clustering web user interests using self organising maps," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 843–852.
- [91] G. Weidl, A. Madsen, and E. Dahlquist, "Condition monitoring, root cause analysis and decision support on urgency of actions," in *Soft Computing Systems - Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruizdel-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 221–230.

- [92] K. Wiese and E. Glen, "A permutation based genetic algorithm for rna secondary structure prediction," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 173–182.
- [93] R. Youssif and C. Purdy, "Combining genetic algorithms and neural networks to build a signal pattern classifier," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 735–744.
- [94] F. Zambetta and G. Catucci, "Designing not-so-dull virtual dolls," in *Soft Computing Systems Design, Management and Applications*, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 513–518.
- [95] C. Zanni, M. L. Goc, and C. Frydman, "Towards a unique framework to describe and compare diagnosis approaches," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 231–240.
- [96] P. Zegers and M. Sundareshan, "Determining the degree of generalization using an incremental learning algorithm," in Soft Computing Systems Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 261–270.
- [97] S. Zemke, "Ensembles in practice: Predication, estimation, multi-feature and noisy data," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 404–416.
- [98] W. Ziarko, "Set approximation quality measures in the variable precision rough set model," in Soft Computing Systems - Design, Management and Applications, ser. Frontiers in Artificial Intelligence and Applications Vol. 87, A. Abraham, J. Ruiz-del-Solar, and M. Köppen, Eds. IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 442–452.