Список литературы

- [1] Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen (eds.), Soft computing systems design, management and applications, Frontiers in Artificial Intelligence and Applications, vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002.
- [2] J.L. Aguilar and N. Perozo, Sparse distributed memory with adaptive threshold, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 426–432.
- [3] A.B.M. Shawkat Ali and A. Abraham, An empirical comparison of kernel selection for support vector machines, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 15–20.
- [5] N. Angkawattanawit and A. Rungsawang, Learnable topic-specific web crawler, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 212–220.
- [7] J.J. Astrain, J.R. Garitagoitia, J. Villadangos, F. Fariña, and A. Córdoba, *An imperfect string matching experience using deformed fuzzy automata*, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 565–572.
- [9] Gustavo E. A. P. A. Batista and M.C. Monard, A study of k-nearest neighbour as an imputation method, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems -Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 193–203.
- [11] G. Bologna, Rule extraction from bagged neural networks, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 42–53.

- [12] R.K. Brouwer, Using a helper ffn to represent the cost function for training drnn's by gradient descent, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 707–714.
- [13] V.C. Castilho, M.C. Nicoletti, and M.K. El Debs, *Using genetic algorithms for minimizing the production costs of hollow core slabs*, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 796–805.
- [14] S.S. Cheng, Y.H. Chen, C.L. Tseng, H.C. Fu, and H.T. Pao, A self-growing probabilistic decision-based neural network with applications to anchor/speaker identification, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 818–829.
- [15] Alexey Jakovlevich Chervonenkis, Reconstruction of conditional distribution field based on empirical data, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 462–469.
- [16] M. De Cock, Linguistic hedges: a quantifier based approach, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 806–817.
- [18] S. Cang D. Partridge, Revealing feature interactions in classification tasks, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 394–403.
- [19] Bernard de Baets, Fuzzy set theory a playground for mathematicians, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 4.
- [20] P.W. Dixon, D.W. Corne, and M.J. Oates, Enhancing real-world applicability by providing confidence-in-prediction in the xcs classifier system, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 290–299.
- [21] H.A.D. do Nascimento and P. Eades, A focus and constraint-based genetic algorithm for interactive directed graph drawing, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 634–643.
- [22] Yasuhiko Dote, Neuro-fuzzy control, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 9–10.

- [23] F. Fdez-Riverola and J.M. Corchado, An automated hybrid reasoning system for forecasting, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 153–162.
- [25] I. Gokcen, J. Peng, and B.P. Buckles, Active learning using one-class classification, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 697–706.
- [28] F.J. Heinen and F.S. Osório, Hycar a robust hybrid control architecture for autonomous robots, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruizdel-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 163–172.
- [33] C.A. Jakovlevich, Reconstruction of conditional distribution field based on empirical data, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 462–469.

- [34] M.C. Jarur and M.A. Rodríguez, A non-deterministic versus deterministic algorithm for searching spatial configurations, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 241–250.
- [36] E.R. Hruschka Jr., E.R. Hruschka, and N.F.F. Ebecken, A data preparation bayesian approach for a clustering genetic algorithm, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 453–461.
- [37] W. Jackson K. Cios and L. Springhetti W. Swiercz, Spiking neurons in clustering of diabetic retinopathy data, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 417–425.
- [39] Janusz Kacprzyk and Sawomir Zadrony, Protoforms of linguistic data summaries: Towards more general natural-language-based data minig tools, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 7.
- [40] N. Kawamae, Latent semantic indexing based on factor analysis, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 300–308.
- [41] Oussama Khatib, Robots for the human and haptic interaction, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 5.
- [42] J.D. Knowles and D.W. Corne, Towards landscape analyses to inform the design of hybrid local search for the multiobjective quadratic assignment problem, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 271–279.
- [43] M. Köppen, R. Vicente Garcia, X. Liu, and B. Nickolay, 2d-histogram lookup for low-contrast fault processing, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 765–774.
- [44] K.D. Kramer, S. Patzwahl, and T. Nacke, Complete algorithm to realize ci model-based control and monitoring strategies on microcontroller systems, Soft Computing Systems Design, Management

- and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 785–795.
- [45] V.S. Kumar, Human reasoning in soft computing, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 625–633.
- [46] William B. Langdon, A hybrid genetic programming neural network classifier for use in drug discovery, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 6.
- [47] S.W. Lee, D. Palmer-Brown, J. Tepper, and C. Roadknight, *Performance-guided neural network for rapidly self-organising active network management*, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 21–31.
- [48] M. Lenic and P. Kokol, Combining classifiers with multimethod approach, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 374–383.
- [49] J.C. Letelier, G. Marín, J. Mpodozis, and J. Soto-Andrade, Anticipatory computing with autopoietic and (m,r) systems, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 205–211.
- [50] Juan Carlos Letelier, Gonzalo Martin, Jorge Mpodozis, and Jorge Soto Andrade, Anticipatory computing with autopoietic and (m r)systems, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 11.
- [51] Z. Liu and Y. Xu, Adaptive support vector classifications, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 331–340.
- [52] I.M. Garaffa M. C. Martins, *Identifying patterns of corporate tax payment*, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 470–479.
- [54] V. Marik and V. Mashkov, Alliance formation with several coordinators, Soft Computing Systems -Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 550–564.
- [55] M. Marin, Parallel text query processing using composite inverted lists, Soft Computing Systems -Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruizdel-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruizdel-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems -Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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.R. Figueiras-Vidal, A trainable classifier via k nearest neighbors, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 365–373.
- [61] E.K. Morales and C. Gutiérrez, Building yearbooks with rdf, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 593–601.
- [62] S. Mukkamala and A.H. Sung, Performance based feature identification for intrusion detection using support vector machines, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 745–754.
- [64] K. Nakamatsu, J.M. Abe, and A. Suzuki, A railway interlocking safety verification system based on abductive paraconsistent logic programming, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 775–784.
- [65] P. Navarrete and J. Ruiz del solar, Eigenspace-based face recognition: A comparative study of different hybrid approaches, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 663–672.
- [66] J.J. Nolan, A.K. Sood, and R. Simon, Sadisco: A scalable agent discovery and composition mechanism, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 519–528.

- [67] Erkki Oja, Independent component analisys, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, p. 3.
- [68] N. Ait Oufroukh and E. Colle, Pattern recognition with ultrasonic sensor using classification methods, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 673–680.
- [69] R.B. Cavalcante Prudêncio and T.B. Ludermir, Selection of models for time series prediction via meta-learning, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruizdel-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 341–350.
- [73] M.A. Rodríguez, A spatial dimension for searching the world wide web, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 583–592.
- [74] G.W. Rumantir, Frequent flyer points calculator: More than just a table lookup, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 54–63.
- [76] E. Sanchis and M.J. Castro, Dialogue act connectionist detection in a spoken dialogue system, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 644–651.
- [77] D. Sharma, Unilr: An automated fuzzy legal reasoner, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith

- Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 95–104.
- [79] M.P. Sinka and D.W. Corne, Web and multimedia applications, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 863–870.
- [82] Andrew H. Sung, Role of soft computing in internet security, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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*, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 309–320.
- [85] J.D. Velásquez, H. Yasuda, T. Aoki, and R. Weber, Voice codification using self organizing maps as data mining tool, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 725–734.
- [87] S.V.N. Vishwanthan and M.N. Murty, Jigsawing: A method to create virtual examples in ocr data, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 690–696.
- [88] R.L. Walker, Simulating an information ecosystem within the www, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 891–900.

- [89] X. Wang, A. Abraham, and K.A. Smith, Web traffic mining using a concurrent neuro-fuzzy approach, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 853–862.
- [90] X. Wang and K.A. Smith, Clustering web user interests using self organising maps, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 221–230.
- [92] K.C. Wiese and E. Glen, A permutation based genetic algorithm for rna secondary structure prediction, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 173–182.
- [93] R.S. Youssif and C.N. Purdy, Combining genetic algorithms and neural networks to build a signal pattern classifier, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 513–518.
- [95] C.H. Zanni, M. Le Goc, and C.S. Frydman, Towards a unique framework to describe and compare diagnosis approaches, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 231–240.
- [96] P. Zegers and M.K. Sundareshan, Determining the degree of generalization using an incremental learning algorithm, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems - Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, 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, Soft Computing Systems Design, Management and Applications (Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen, eds.), Frontiers in Artificial Intelligence and Applications Vol. 87, IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002, pp. 442–452.