Список литературы

[Abraham et al.(2002)Abraham, Ruiz-del-Solar, and Köppen] Ajith Abraham, Javier Ruiz-del-Solar, and Mario Köppen (eds.). *Soft Computing Systems - Design, Management and Applications*, volume 87 of *Frontiers in Artificial Intelligence and Applications* (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002). ISBN 1 58603 297 6.

[Aguilar and Perozo(2002)] J.L. Aguilar and N. Perozo. *Sparse Distributed Memory with Adaptive Threshold*. In 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, pp. 426–432 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ali and Abraham(2002)] A.B.M. Shawkat Ali and A. Abraham. *An Empirical Comparison of Kernel Selection for Support Vector Machines*. In 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, pp. 321–330 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Amali et al.(2002)Amali, Vinney, Noroozi, and Patel] 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 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, pp. 15–20 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Angkawattanawit and Rungsawang(2002)] N. Angkawattanawit and A. Rungsawang. *Learnable Topic-specific Web Crawler*. In 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, pp. 573–582 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Asseraf(2002)] M. Asseraf. *An Efficient Algorithm in Optimal Partition Problem for Trees Induction*. In 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, pp. 212–220 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Astrain et al.(2002)Astrain, Garitagoitia, Villadangos, Fariña, and Córdoba] J.J. Astrain, J.R. Garitagoitia, J. Villadangos, F. Fariña, and A. Córdoba. *An Imperfect String Matching Experience Using Deformed Fuzzy Automata*. In 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, pp. 115–123 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Baeza-Yates and Castillo(2002)] R. Baeza-Yates and C. Castillo. *Balancing Volume, Quality and Freshness in Web Crawling*. In 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, pp. 565–572 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Batista and Monard(2002)] Gustavo E. A. P. A. Batista and M.C. Monard. *A Study of K-Nearest Neighbour as an Imputation Method*. In 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, pp. 251–260 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Beker and Hadany(2002)] T. Beker and L. Hadany. *Noise and Elitism in Evolutionary Computation*. In 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, pp. 193–203 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Bologna(2002)] G. Bologna. *Rule Extraction from Bagged Neural Networks.* In 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, pp. 42–53 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Brouwer(2002)] R.K. Brouwer. *Using a Helper FFN to Represent the Cost Function for Training DRNN's by Gradient Descent.* In 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, pp. 707–714 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Castilho et al.(2002)Castilho, Nicoletti, and Debs] V.C. Castilho, M.C. Nicoletti, and M.K. El Debs. *Using Genetic Algorithms for Minimizing the Production Costs of Hollow Core Slabs.* In 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, pp. 796–805 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Cheng et al.(2002)Cheng, Chen, Tseng, Fu, and Pao] 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.* In 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, pp. 818–829 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Chervonenkis(2002)] Alexey Jakovlevich Chervonenkis. *Reconstruction of conditional distribution field based on empirical data.* In 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, pp. 462–469 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Cock(2002)] M. De Cock. *Linguistic Hedges: a Quantifier Based Approach.* In 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, pp. 142–152 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Cuppens et al.(2002)Cuppens, Autrel, Miège, and Benferhat] F. Cuppens, F. Autrel, A. Miège, and S. Benferhat. *Recognizing Malicious Intention in an Intrusion Detection Process.* In 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, pp. 806–817 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[D. Partridge(2002)] S. Cang D. Partridge. *Revealing Feature Interactions in Classification Tasks.* In 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, pp. 394–403 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[de Baets(2002)] Bernard de Baets. *Fuzzy Set Theory - a Playground for Mathematicians.* In 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, p. 4 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Dixon et al.(2002)Dixon, Corne, and Oates] P.W. Dixon, D.W. Corne, and M.J. Oates. *Enhancing Real-World Applicability by Providing Confidence-in-Prediction in the XCS Classifier System.* In 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, pp. 290–299 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[do Nascimento and Eades(2002)] H.A.D. do Nascimento and P. Eades. *A Focus and Constraint-Based Genetic Algorithm for Interactive Directed Graph Drawing.* In 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, pp. 634–643 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Dote(2002)] Yasuhiko Dote. *Neuro-Fuzzy Control.* In 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, pp. 9–10 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Fdez-Riverola and Corchado(2002)] F. Fdez-Riverola and J.M. Corchado. *An Automated Hybrid Reasoning System for Forecasting.* In 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, pp. 31–41 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ferreira(2002)] C. Ferreira. *Analyzing the Founder Effect in Simulated Evolutionary Processes Using Gene Expression Programming.* In 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, pp. 153–162 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Gokcen et al.(2002)Gokcen, Peng, and Buckles] I. Gokcen, J. Peng, and B.P. Buckles. *Active Learning Using One-class Classification.* In 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, pp. 280–289 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Gouarderes et al.(2002)Gouarderes, Gouarderes, and Delpy] S. Gouarderes, G. Gouarderes, and P. Delpy. *MAYBE - Multi-Agent Yield-Based Engineering : Improve Training in the Emergency Room Chain.* In 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, pp. 529–539 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Haindl and äimberová(2002)] M. Haindl and S. äimberová. *Model-Based Restoration of Short-Exposure Solar Images.* In 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, pp. 697–706 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Heinen and Osório(2002)] F.J. Heinen and F.S. Osório. *HyCAR - A Robust Hybrid Control Architecture for Autonomous Robots.* In 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, pp. 830–842 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Hirche et al.(2002)Hirche, Santibanez-Koref, and Boblan] S. Hirche, I. Santibanez-Koref, and I. Boblan. *Design of Strong Causal Fitness Functions.* In 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, pp. 183–192 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Iba et al.(2002)Iba, Tokui, and Wakaki] H. Iba, N. Tokui, and H. Wakaki. *3D-CG Avatar Motion Design by means of Interactive Evolutionary Computation.* In 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, pp. 540–549 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ishibuchi and Yamamoto(2002)] H. Ishibuchi and T. Yamamoto. *Comparison of Fuzzy Rule Selection Criteria for Classification Problems.* In 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, pp. 132–141 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ishibuchi and Yoshida(2002)] H. Ishibuchi and T. Yoshida. *Hybrid Evolutionary Multi-Objective Optimization Algorithms.* In 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, pp. 163–172 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Jakovlevich(2002)] C.A. Jakovlevich. *Reconstruction of conditional distribution field based on empirical data.* In 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, pp. 462–469 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Jarur and Rodríguez(2002)] M.C. Jarur and M.A. Rodríguez. *A non-Deterministic versus Deterministic Algorithm for Searching Spatial Configurations.* In 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, pp. 602–611 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Jedrzejowicz and Jedrzejowicz(2002)] J. Jedrzejowicz and P. Jedrzejowicz. *Experimental Evaluation of the PLA-Based Permutation-Scheduling.* In 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, pp. 241–250 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Jr. et al.(2002)Jr., Hruschka, and Ebecken] E.R. Hruschka Jr., E.R. Hruschka, and N.F.F. Ebecken. *A Data Preparation Bayesian Approach for a Clustering Genetic Algorithm.* In 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, pp. 453–461 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[K. Cios and W. Swiercz(2002)] W. Jackson K. Cios and L. Springhetti W. Swiercz. *Spiking Neurons in Clustering of Diabetic Retinopathy Data.* In 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, pp. 84–94 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Kacprzyk and Zadrozny(2002)] J. Kacprzyk and S. Zadrozny. *Protoforms of Linguistic Data Summaries: Towards More General Natural-Language-Based Data Mining Tools.* In 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, pp. 417–425 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Kacprzyk and Zadrony(2002)] Janusz Kacprzyk and Sawomir Zadrony. *Protoforms of Linguistic Data Summaries : Towards More General Natural-Language-Based Data Minig Tools.* In 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, p. 7 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Kawamae(2002)] N. Kawamae. *Latent Semantic Indexing Based on Factor Analysis.* In 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, pp. 300–308 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Khatib(2002)] Oussama Khatib. *Robots for the Human and Haptic Interaction.* In 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, p. 5 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Knowles and Corne(2002)] J.D. Knowles and D.W. Corne. *Towards Landscape Analyses to Inform the Design of Hybrid Local Search for the Multiobjective Quadratic Assignment Problem.* In 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, pp. 271–279 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Köppen et al.(2002)Köppen, Garcia, Liu, and Nickolay] M. Köppen, R. Vicente Garcia, X. Liu, and B. Nickolay. *2D-Histogram Lookup for Low-contrast Fault Processing.* In 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, pp. 765–774 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Kramer et al.(2002)Kramer, Patzwahl, and Nacke] K.D. Kramer, S. Patzwahl, and T. Nacke. *Complete Algorithm to realize CI Model-based Control and Monitoring Strategies on Microcontroller Systems.* In 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, pp. 785–795 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Kumar(2002)] V.S. Kumar. *Human Reasoning In Soft Computing.* In 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, pp. 625–633 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Langdon(2002)] William B. Langdon. *A Hybrid Genetic Programming Neural Network Classifier for Use in Drug Discovery.* In 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, p. 6 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Lee et al.(2002)Lee, Palmer-Brown, Tepper, and Roadknight] S.W. Lee, D. Palmer-Brown, J. Tepper, and C. Roadknight. *Performance-guided Neural Network for Rapidly Self-Organising Active Network Management.* In 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, pp. 21–31 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Lenic and Kokol(2002)] M. Lenic and P. Kokol. *Combining Classifiers with Multimethod Approach.* In 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, pp. 374–383 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Letelier et al.(2002a)Letelier, Marín, Mpodozis, and Soto-Andrade] J.C. Letelier, G. Marín, J. Mpodozis, and J. Soto-Andrade. *Anticipatory Computing with Autopoietic and (M,R) Systems.* In 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, pp. 205–211 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002a).

[Letelier et al.(2002b)Letelier, Martin, Mpodozis, and Andrade] Juan Carlos Letelier, Gonzalo Martin, Jorge Mpodozis, and Jorge Soto Andrade. *Anticipatory Computing with Autopoietic and (M R)Systems.* In 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, p. 11 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002b).

[Liu and Xu(2002)] Z. Liu and Y. Xu. *Adaptive Support Vector Classifications.* In 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, pp. 331–340 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[M. C. Martins(2002)] I.M. Garaffa M. C. Martins. *Identifying Patterns of Corporate Tax Payment*. In 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, pp. 490–499 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Macedo and Mamdani(2002)] S. Macedo and E. Mamdani. *Bi-Directional Flow of Information in the Softboard Architecture*. In 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, pp. 470–479 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Marik and Mashkov(2002)] V. Marik and V. Mashkov. *Alliance Formation with Several Coordinators*. In 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, pp. 550–564 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Marin(2002)] M. Marin. *Parallel Text Query Processing using Composite Inverted Lists*. In 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, pp. 612–624 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Mastropasqua et al.(2002)Mastropasqua, Mosca, and Zambetta] D. Mastropasqua, N. Mosca, and F. Zambetta. *An XML-based specification of fuzzy logic controllers*. In 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, pp. 124–131 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Maturana and Weber(2002)] C. Maturana and R. Weber. *Feature Extraction by Distance Neural Network in Classification Tasks*. In 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, pp. 384–393 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Minami and Inui(2002)] T. Minami and T. Inui. *A Neural Network Model of Rule-guided Behavior*. In 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, pp. 64–73 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Montiel et al.(2002)Montiel, Castillo, Melin, and Sepulveda] O. Montiel, O. Castillo, P. Melin, and R. Sepulveda. *The Evolutionary Learning Rule for System Identification in Adaptive Finite Impulse Filters*. In 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, pp. 755–764 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Mora-Jiménez et al.(2002)Mora-Jiménez, Lyhyaoui, Arenas-García, Navia-Vázquez, and Figueiras-Vidal] I. Mora-Jiménez, A. Lyhyaoui, J. Arenas-García, A. Navia-Vázquez, and A.R. Figueiras-Vidal. *A Trainable Classifier via k Nearest Neighbors*. In 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, pp. 365–373 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Morales and Gutiérrez(2002)] E.K. Morales and C. Gutiérrez. *Building Yearbooks with RDF*. In 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, pp. 593–601 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Mukkamala and Sung(2002)] S. Mukkamala and A.H. Sung. *Performance Based Feature Identification for Intrusion Detection Using Support Vector Machines*. In 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, pp. 351–364 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Murakami et al.(2002)Murakami, Yoneyama, and Shirai] M. Murakami, M. Yoneyama, and K. Shirai. *Accurate Human Face Extraction using Genetic Algorithm and Subspace Method.* In 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, pp. 745–754 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Nakamatsu et al.(2002)Nakamatsu, Abe, and Suzuki] K. Nakamatsu, J.M. Abe, and A. Suzuki. *A Railway Interlocking Safety Verification System Based on Abductive Paraconsistent Logic Programming.* In 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, pp. 775–784 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Navarrete and del solar(2002)] P. Navarrete and J. Ruiz del solar. *Eigenspace-based Face Recognition: A comparative study of different hybrid approaches.* In 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, pp. 663–672 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Nolan et al.(2002)Nolan, Sood, and Simon] J.J. Nolan, A.K. Sood, and R. Simon. *SADISCO: A Scalable Agent Discovery and Composition Mechanism.* In 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, pp. 519–528 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Oja(2002)] Erkki Oja. *Independent Component Analisys.* In 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, p. 3 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Oufroukh and Colle(2002)] N. Ait Oufroukh and E. Colle. *Pattern Recognition with Ultrasonic Sensor using Classification Methods.* In 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, pp. 673–680 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Prudêncio and Ludermir(2002)] R.B. Cavalcante Prudêncio and T.B. Ludermir. *Selection of Models for Time Series Prediction via Meta-Learning.* In 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, pp. 74–83 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Rakus-Andersson and Zakrzewski(2002)] E. Rakus-Andersson and L. Zakrzewski. *Factor Analysis with Qualitative Factors as Fuzzy Numbers.* In 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, pp. 105–114 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ramos et al.(2002)Ramos, Muge, and Pina] 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 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, pp. 500–512 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ribeiro and Carvalho(2002)] B. Ribeiro and P. Carvalho. *Mercer's Kernel Based Learning for Fault Detection.* In 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, pp. 341–350 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Rodríguez(2002)] M.A. Rodríguez. *A Spatial Dimension for Searching the World Wide Web*. In 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, pp. 583–592 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Rumantir(2002)] G.W. Rumantir. *Frequent Flyer Points Calculator: More Than Just a Table Lookup*. In 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, pp. 871–880 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Saegusa and Hashimoto(2002)] R. Saegusa and S. Hashimoto. *Nonlinear Principal Component Analysis to Preserve the Order of Principal Components*. In 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, pp. 54–63 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Sanchis and Castro(2002)] E. Sanchis and M.J. Castro. *Dialogue Act Connectionist Detection in a Spoken Dialogue System*. In 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, pp. 644–651 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Sharma(2002)] D. Sharma. *UniLR: An Automated Fuzzy Legal Reasoner*. In 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, pp. 433–441 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Shekar and Natarajan(2002)] B. Shekar and R. Natarajan. *A Fuzzy Relatedness Measure for Determining Interestingness of Association Rules*. In 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, pp. 95–104 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Sinka and Corne(2002)] M.P. Sinka and D.W. Corne. *Web and Multimedia Applications*. In 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, pp. 881–890 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Sugimoto and Yoneyama(2002)] F. Sugimoto and M. Yoneyama. *A Trial Method to Create a Natural Interaction in Interactive Genetic Algorithm*. In 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, pp. 652–662 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Sunayama and Yachida(2002)] W. Sunayama and M. Yachida. *Panoramic View System for Extracting Key Sentences based on Viewpoints and an Application to a Search Engine*. In 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, pp. 863–870 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Sung(2002)] Andrew H. Sung. *Role of Soft Computing in Internet Security*. In 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, p. 8 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Torres and Pezoa(2002)] S. Torres and J. Pezoa. *Scene-Based Nonuniformity Correction Method Using the Inverse Covariance Form of the Kalman Filter*. In 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, pp. 715–724 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Veenhuis and Köppen(2002)] C. Veenhuis and M. Köppen. *Document Oriented Modeling of Cellular Automata*. In 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, pp. 309–320 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Velásquez et al.(2002)Velásquez, Yasuda, Aoki, and Weber] J.D. Velásquez, H. Yasuda, T. Aoki, and R. Weber. *Voice Codification using Self Organizing Maps as Data Mining Tool*. In 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, pp. 480–489 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Vera et al.(2002)Vera, Reeves, and Torres] E. Vera, R. Reeves, and S. Torres. *Adaptive Bias Compensation for Non-Uniformity Correction on Infrared Focal Plane Array Detectors*. In 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, pp. 725–734 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Vishwanthan and Murty(2002)] S.V.N. Vishwanthan and M.N. Murty. *Jigsawing : A Method to Create Virtual Examples in OCR data*. In 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, pp. 690–696 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Walker(2002)] R.L. Walker. *Simulating an Information Ecosystem within the WWW*. In 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, pp. 891–900 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Wang et al.(2002)Wang, Abraham, and Smith] X. Wang, A. Abraham, and K.A. Smith. *Web Traffic Mining Using a Concurrent Neuro-Fuzzy Approach*. In 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, pp. 853–862 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Wang and Smith(2002)] X. Wang and K.A. Smith. *Clustering Web User Interests Using Self Organising Maps*. In 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, pp. 843–852 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Weidl et al.(2002)Weidl, Madsen, and Dahlquist] G. Weidl, A. Madsen, and E. Dahlquist. *Condition Monitoring, Root Cause Analysis and Decision Support on Urgency of Actions*. In 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, pp. 221–230 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Wiese and Glen(2002)] K.C. Wiese and E. Glen. *A Permutation Based Genetic Algorithm for RNA Secondary Structure Prediction*. In 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, pp. 173–182 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Youssif and Purdy(2002)] R.S. Youssif and C.N. Purdy. *Combining Genetic Algorithms and Neural Networks to Build a Signal Pattern Classifier.* In 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, pp. 735–744 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Zambetta and Catucci(2002)] F. Zambetta and G. Catucci. *Designing Not-So-Dull Virtual Dolls.* In 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, pp. 513–518 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Zanni et al.(2002)Zanni, Goc, and Frydman] C.H. Zanni, M. Le Goc, and C.S. Frydman. *Towards a Unique Framework to Describe and Compare Diagnosis Approaches.* In 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, pp. 231–240 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Zegers and Sundareshan(2002)] P. Zegers and M.K. Sundareshan. *Determining The Degree of Generalization Using An Incremental Learning Algorithm.* In 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, pp. 261–270 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Zemke(2002)] S. Zemke. *Ensembles in Practice: Predication, Estimation, Multi-Feature and Noisy Data.* In 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, pp. 404–416 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).

[Ziarko(2002)] W. Ziarko. *Set Approximation Quality Measures in the Variable Precision Rough Set Model.* In 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, pp. 442–452 (IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C., 2002).