Список литературы

- [1] Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds. Soft Computing Systems Design, Management and Applications;87 of Frontiers in Artificial Intelligence and ApplicationsIOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [2] Oja Erkki. Independent Component Analisys in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:3IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [3] Baets Bernard. Fuzzy Set Theory a Playground for Mathematicians in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:4IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [4] Khatib Oussama. Robots for the Human and Haptic Interaction in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:5IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [5] Langdon William B.. A Hybrid Genetic Programming Neural Network Classifier for Use in Drug Discovery in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:6IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [6] Kacprzyk Janusz, Zadrony Sawomir. Protoforms of Linguistic Data Summaries: Towards More General Natural-Language-Based Data Minig Tools in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:7IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [7] Sung Andrew H.. Role of Soft Computing in Internet Security in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:8IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [8] Dote Yasuhiko. Neuro-Fuzzy Control in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:9–10IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [9] Letelier Juan Carlos, Martin Gonzalo, Mpodozis Jorge, Andrade Jorge Soto. Anticipatory Computing with Autopoietic and (M R)Systems in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:11IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [10] Amali R., Vinney J., Noroozi S., Patel V.. The Use of a Back Propagation Neural Network to Determine the Load Distribution on a Component in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:15–20IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [11] Lee S.W., Palmer-Brown D., Tepper J., Roadknight C.. Performance-guided Neural Network for Rapidly Self-Organising Active Network Management in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:21–31IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [12] Fdez-Riverola F., Corchado J.M.. An Automated Hybrid Reasoning System for Forecasting in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:31–41IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [13] Bologna G.. Rule Extraction from Bagged Neural Networks in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:42–53IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [14] Saegusa R., Hashimoto S., Nonlinear Principal Component Analysis to Preserve the Order of Principal Components in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:54–63IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [15] Minami T., Inui T., A Neural Network Model of Rule-guided Behavior in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:64–73IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [16] Prudêncio R.B. Cavalcante, Ludermir T.B.. Selection of Models for Time Series Prediction via Meta-Learning in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:74–83IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [17] K. Cios W. Jackson, W. Swiercz L. Springhetti. Spiking Neurons in Clustering of Diabetic Retinopathy Data in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:84-94IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [18] Shekar B., Natarajan R.. A Fuzzy Relatedness Measure for Determining Interestingness of Association Rules in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:95–104IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [19] Rakus-Andersson E., Zakrzewski L.. Factor Analysis with Qualitative Factors as Fuzzy Numbers in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:105—114IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [20] Astrain J.J., Garitagoitia J.R., Villadangos J., Fariña F., Córdoba A.. An Imperfect String Matching Experience Using Deformed Fuzzy Automata in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:115–123IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [21] Mastropasqua D., Mosca N., Zambetta F.. An XML-based specification of fuzzy logic controllers in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:124– 131IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [22] Ishibuchi H., Yamamoto T.. Comparison of Fuzzy Rule Selection Criteria for Classification Problems in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:132-141IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [23] Cock M. De. Linguistic Hedges: a Quantifier Based Approach in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:142–152IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [24] Ferreira C.. Analyzing the Founder Effect in Simulated Evolutionary Processes Using Gene Expression Programming in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:153–162IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [25] Ishibuchi H., Yoshida T.. Hybrid Evolutionary Multi-Objective Optimization Algorithms in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:163– 172IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [26] Wiese K.C., Glen E.. A Permutation Based Genetic Algorithm for RNA Secondary Structure Prediction in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:173–182IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [27] Hirche S., Santibanez-Koref I., Boblan I.. Design of Strong Causal Fitness Functions in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:183–192IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [28] Beker T., Hadany L.. Noise and Elitism in Evolutionary Computation in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:193–203IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [29] Letelier J.C., Marin G., Mpodozis J., Soto-Andrade J.. Anticipatory Computing with Autopoietic and (M,R) Systems in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:205–211IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [30] Asseraf M.. An Efficient Algorithm in Optimal Partition Problem for Trees Induction in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:212–220IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [31] Weidl G., Madsen A., Dahlquist E.. Condition Monitoring, Root Cause Analysis and Decision Support on Urgency of Actions in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:221–230IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [32] Zanni C.H., Goc M. Le, Frydman C.S.. Towards a Unique Framework to Describe and Compare Diagnosis Approaches in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:231–240IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [33] Jedrzejowicz J., Jedrzejowicz P.. Experimental Evaluation of the PLA-Based Permutation-Scheduling in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:241–250IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [34] Batista Gustavo E. A. P. A., Monard M.C.. A Study of K-Nearest Neighbour as an Imputation Method in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:251–260IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [35] Zegers P., Sundareshan M.K.. Determining The Degree of Generalization Using An Incremental Learning Algorithm in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:261–270IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [36] Knowles J.D., Corne D.W.. 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 (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:271–279IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [37] Gokcen I., Peng J., Buckles B.P.. Active Learning Using One-class Classification in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:280–289IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [38] Dixon P.W., Corne D.W., Oates M.J.. Enhancing Real-World Applicability by Providing Confidence-in-Prediction in the XCS Classifier System in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:290–299IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [39] Kawamae N.. Latent Semantic Indexing Based on Factor Analysis in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:300–308IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [40] Veenhuis C., Köppen M.. Document Oriented Modeling of Cellular Automata in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:309–320IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [41] Ali A.B.M. Shawkat, Abraham A.. An Empirical Comparison of Kernel Selection for Support Vector Machines in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:321–330IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [42] Liu Z., Xu Y.. Adaptive Support Vector Classifications in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:331–340IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [43] Ribeiro B., Carvalho P., Mercer's Kernel Based Learning for Fault Detection in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:341–350IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [44] Mukkamala S., Sung A.H.. Performance Based Feature Identification for Intrusion Detection Using Support Vector Machines in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:351–364IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [45] Mora-Jiménez I., Lyhyaoui A., Arenas-García J., Navia-Vázquez A., Figueiras-Vidal A.R.. A Trainable Classifier via k Nearest Neighbors in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:365–373IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [46] Lenic M., Kokol P.. Combining Classifiers with Multimethod Approach in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:374–383IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [47] Maturana C., Weber R.. Feature Extraction by Distance Neural Network in Classification Tasks in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:384–393IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [48] D. Partridge S. Cang. Revealing Feature Interactions in Classification Tasks in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:394–403IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [49] Zemke S.. Ensembles in Practice: Predication, Estimation, Multi-Feature and Noisy Data in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:404–416IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [50] Kacprzyk J., Zadrozny S.. Protoforms of Linguistic Data Summaries: Towards More General Natural-Language-Based Data Mining Tools in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:417–425IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [51] Aguilar J.L., Perozo N.. Sparse Distributed Memory with Adaptive Threshold in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:426–432IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [52] Sharma D.. UniLR: An Automated Fuzzy Legal Reasoner in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:433–441IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [53] Ziarko W.. Set Approximation Quality Measures in the Variable Precision Rough Set Model in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:442–452IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [54] Jr. E.R. Hruschka, Hruschka E.R., Ebecken N.F.F.. A Data Preparation Bayesian Approach for a Clustering Genetic Algorithm in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:453–461IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [55] Chervonenkis Alexey Jakovlevich. Reconstruction of conditional distribution field based on empirical data in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:462–469IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [56] Jakovlevich C.A.. Reconstruction of conditional distribution field based on empirical data in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:462– 469IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [57] Macedo S., Mamdani E.. Bi-Directional Flow of Information in the Softboard Architecture in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:470– 479IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [58] Velásquez J.D., Yasuda H., Aoki T., Weber R.. Voice Codification using Self Organizing Maps as Data Mining Tool in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:480–489IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [59] M. C. Martins I.M. Garaffa. Identifying Patterns of Corporate Tax Payment in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:490–499IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [60] Ramos V., Muge F., Pina P.. 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 (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:500–512IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [61] Zambetta F., Catucci G., Designing Not-So-Dull Virtual Dolls in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario, , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:513–518IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [62] Nolan J.J., Sood A.K., Simon R.. SADISCO: A Scalable Agent Discovery and Composition Mechanism in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:519–528IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [63] Gouarderes S., Gouarderes G., Delpy P., MAYBE Multi-Agent Yield-Based Engineering: Improve Training in the Emergency Room Chain in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:529–539IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [64] Iba H., Tokui N., Wakaki H.. 3D-CG Avatar Motion Design by means of Interactive Evolutionary Computation in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:540–549IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [65] Marik V., Mashkov V.. Alliance Formation with Several Coordinators in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:550–564IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [66] Baeza-Yates R., Castillo C., Balancing Volume, Quality and Freshness in Web Crawling in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:565– 572IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [67] Angkawattanawit N., Rungsawang A., Learnable Topic-specific Web Crawler in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:573–582IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [68] Rodríguez M.A.. A Spatial Dimension for Searching the World Wide Web in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:583–592IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [69] Morales E.K., Gutiérrez C.. Building Yearbooks with RDF in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:593–601IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [70] Jarur M.C., Rodríguez M.A.. A non-Deterministic versus Deterministic Algorithm for Searching Spatial Configurations in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:602–611IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [71] Marin M.. Parallel Text Query Processing using Composite Inverted Lists in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:612–624IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [72] Kumar V.S.. Human Reasoning In Soft Computing in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:625–633IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [73] Nascimento H.A.D., Eades P., A Focus and Constraint-Based Genetic Algorithm for Interactive Directed Graph Drawing in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:634–643IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [74] Sanchis E., Castro M.J.. Dialogue Act Connectionist Detection in a Spoken Dialogue System in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:644– 651IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [75] Sugimoto F., Yoneyama M.. A Trial Method to Create a Natural Interaction in Interactive Genetic Algorithm in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:652–662IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [76] Navarrete P., solar J. Ruiz. Eigenspace-based Face Recognition: A comparative study of different hybrid approaches in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:663–672IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [77] Oufroukh N. Ait, Colle E.. Pattern Recognition with Ultrasonic Sensor using Classification Methods in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:673–680IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [78] Vishwanthan S.V.N., Murty M.N., Jigsawing: A Method to Create Virtual Examples in OCR data in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruizdel-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:690–696IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [79] Haindl M., äimberová S.. Model-Based Restoration of Short-Exposure Solar Images in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:697– 706IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [80] Brouwer R.K.. Using a Helper FFN to Represent the Cost Function for Training DRNN's by Gradient Descent in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:707-714IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.

- [81] Torres S., Pezoa J.. Scene-Based Nonuniformity Correction Method Using the Inverse Covariance Form of the Kalman Filter in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:715–724IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [82] Vera E., Reeves R., Torres S.. Adaptive Bias Compensation for Non-Uniformity Correction on Infrared Focal Plane Array Detectors in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:725-734IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [83] Youssif R.S., Purdy C.N.. Combining Genetic Algorithms and Neural Networks to Build a Signal Pattern Classifier in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:735-744IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [84] Murakami M., Yoneyama M., Shirai K.. Accurate Human Face Extraction using Genetic Algorithm and Subspace Method in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:745–754IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [85] Montiel O., Castillo O., Melin P., Sepulveda R.. The Evolutionary Learning Rule for System Identification in Adaptive Finite Impulse Filters in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:755–764IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [86] Köppen M., Garcia R. Vicente, Liu X., Nickolay B.. 2D-Histogram Lookup for Low-contrast Fault Processing in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:765-774IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [87] Nakamatsu K., Abe J.M., Suzuki A.. A Railway Interlocking Safety Verification System Based on Abductive Paraconsistent Logic Programming in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:775–784IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [88] Kramer K.D., Patzwahl S., Nacke T.. Complete Algorithm to realize CI Model-based Control and Monitoring Strategies on Microcontroller Systems in Soft Computing Systems -Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario. , eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:785-795IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [89] Castilho V.C., Nicoletti M.C., Debs M.K. El. Using Genetic Algorithms for Minimizing the Production Costs of Hollow Core Slabs in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:796–805IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [90] Cuppens F., Autrel F., Miège A., Benferhat S.. Recognizing Malicious Intention in an Intrusion Detection Process in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:806–817IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [91] Cheng S.S., Chen Y.H., Tseng C.L., Fu H.C., Pao H.T.. A Self-growing Probabilistic Decision-based Neural Network with Applications to Anchor/Speaker Identification in *Soft Computing*

- Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:818–829 IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [92] Heinen F.J., Osório F.S.. HyCAR A Robust Hybrid Control Architecture for Autonomous Robots in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:830– 842IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [93] Wang X., Smith K.A.. Clustering Web User Interests Using Self Organising Maps in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:843– 852IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [94] Wang X., Abraham A., Smith K.A.. Web Traffic Mining Using a Concurrent Neuro-Fuzzy Approach in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:853–862IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [95] Sunayama W., Yachida M.. 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 (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:863–870IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [96] Rumantir G.W.. Frequent Flyer Points Calculator: More Than Just a Table Lookup in Soft Computing Systems - Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:871– 880IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [97] Sinka M.P., Corne D.W.. Web and Multimedia Applications in *Soft Computing Systems Design, Management and Applications* (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.)Frontiers in Artificial Intelligence and Applications Vol. 87:881–890IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.
- [98] Walker R.L.. Simulating an Information Ecosystem within the WWW in Soft Computing Systems Design, Management and Applications (Abraham Ajith, Ruiz-del-Solar Javier, Köppen Mario., eds.) Frontiers in Artificial Intelligence and Applications Vol. 87:891–900IOS Press Amsterdam, Berlin, Oxford, Tokyo, Washington D.C. 2002.