

1. Record Nr.	UNISA996466243003316
Titolo	Rough Sets, Fuzzy Sets, Data Mining and Granular Computing [[electronic resource] ] : 11th International Conference, RSFDGrC 2007, Toronto, Canada, May 14-16, 2007 // edited by Aijun An, Jerzy Stefanowski, Sheela Ramanna, Cory Butz, Witold Pedrycz
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	3-540-72530-X
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (XIV, 588 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 4482
Disciplina	006.3
Soggetti	Computers Artificial intelligence Data mining Database management Mathematical logic Theory of Computation Artificial Intelligence Data Mining and Knowledge Discovery Database Management Mathematical Logic and Formal Languages Computation by Abstract Devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- Toward Rough-Granular Computing -- Data Clustering Algorithms for Information Systems -- From Parallel Data Mining to Grid-Enabled Distributed Knowledge Discovery -- A New Algorithm for Attribute Reduction in Decision Tables -- Fuzzy-Rough Hybridization -- Algebraic Properties of Adjunction-Based Fuzzy Rough Sets -- Fuzzy Approximation Operators Based on Coverings -- Information-Theoretic Measure of Uncertainty in Generalized Fuzzy Rough Sets -- Determining Significance of Attributes in the Unified Rough Set Approach -- A Rough-Hybrid Approach to Software Defect Classification -- Vaguely Quantified Rough Sets -- Fuzzy Sets -- A

Fuzzy Search Engine Weighted Approach to Result Merging for  
Metasearch -- A Fuzzy Group Decision Approach to Real Option  
Valuation -- Fuzzifying Closure Systems and Fuzzy Lattices --  
Evolution of Fuzzy System Models: An Overview and New Directions --  
Retracted Article: A New Cluster Validity Index for Fuzzy Clustering  
Based on Similarity Measure -- A New Classifier Design with Fuzzy  
Functions -- Soft Computing in Medical Image Processing -- Image  
Analysis of Ductal Proliferative Lesions of Breast Using Architectural  
Features -- Nucleus Segmentation and Recognition of Uterine Cervical  
Pap-Smears -- A Study: Segmentation of Lateral Ventricles in Brain MRI  
Using Fuzzy C-Means Clustering with Gaussian Smoothing -- Ischemic  
Stroke Modeling: Multiscale Extraction of Hypodense Signs -- Soft  
Computing in Information Retrieval -- Supporting Literature  
Exploration with Granular Knowledge Structures -- Ordinal Credibility  
Coefficient -- A New Approach in the Data Credibility Analysis --  
FuzzyPR: An Effective Passage Retrieval System for QAS -- Clustering  
-- Parallel Artificial Immune Clustering Algorithm Based on Granular  
Computing -- C-DBSCAN: Density-Based Clustering with Constraints  
-- A New Cluster Based Fuzzy Model Tree for Data Modeling --  
Parameter Tuning for Disjoint Clusters Based on Concept Lattices with  
Application to Location Learning -- Text and Web Mining -- Web  
Document Classification Based on Rough Set -- Transformation of  
Suffix Arrays into Suffix Trees on the MPI Environment -- Clustering  
High Dimensional Data Using SVM -- Learning, Data Mining and Rough  
Classifiers -- Constructing Associative Classifier Using Rough Sets and  
Evidence Theory -- Evaluation Method for Decision Rule Sets -- On  
Possible Rules and Apriori Algorithm in Non-deterministic Information  
Systems: Part 2 -- Neonatal Infection Diagnosis Using Constructive  
Induction in Data Mining -- Two Families of Classification Algorithms  
-- Constructing Associative Classifiers from Decision Tables --  
Evaluating Importance of Conditions in the Set of Discovered Rules --  
Constraint Based Action Rule Discovery with Single Classification Rules  
-- Data Confidentiality Versus Chase -- Relationship Between Loss  
Functions and Confirmation Measures -- High Frequent Value Reduct in  
Very Large Databases -- A Weighted Rough Set Approach for Cost-  
Sensitive Learning -- Jumping Emerging Pattern Induction by Means of  
Graph Coloring and Local Reducts in Transaction Databases --  
Visualization of Rough Set Decision Rules for Medical Diagnosis  
Systems -- Attribute Generalization and Fuzziness in Data Mining  
Contexts -- A Hybrid Method for Forecasting Stock Market Trend Using  
Soft-Thresholding De-noise Model and SVM -- Granular Computing --  
Attribute Granules in Formal Contexts -- An Incremental Updating  
Algorithm for Core Computing in Dominance-Based Rough Set Model  
-- A Ranking Approach with Inclusion Measure in Multiple-Attribute  
Interval-Valued Decision Making -- Granulations Based on Semantics of  
Rough Logical Formulas and Its Reasoning -- A Categorical Basis for  
Granular Computing -- Granular Sets -- Foundations and Case Study of  
Tolerance Spaces -- Soft Computing in Multimedia Processing --  
Unusual Activity Analysis in Video Sequences -- Task-Based Image  
Annotation and Retrieval -- Improvement of Moving Image Quality on  
AC-PDP by Rough Set Based Dynamic False Contour Reduction --  
Image Digital Watermarking Technique Based on Kernel Independent  
Component Analysis -- Image Pattern Recognition Using Near Sets --  
Robotic Target Tracking with Approximation Space-Based Feedback  
During Reinforcement Learning -- Soft Computing Applications -- Web  
Based Health Recommender System Using Rough Sets, Survival Analysis  
and Rule-Based Expert Systems -- RBF Neural Network Implementation  
of Fuzzy Systems: Application to Time Series Modeling -- Selecting

Samples and Features for SVM Based on Neighborhood Model -- Intelligent Decision Support Based on Influence Diagrams with Rough Sets -- Object Class Recognition Using SNoW with a Part Vocabulary -- Coverage in Biomimetic Pattern Recognition -- A Texture-Based Algorithm for Vehicle Area Segmentation Using the Support Vector Machine Method -- Rough and Complex Concepts -- The Study of Some Important Theoretical Problems for Rough Relational Database -- Interval Rough Mereology for Approximating Hierarchical Knowledge -- Description Logic Framework for Access Control and Security in Object-Oriented Systems -- Rough Neural Networks for Complex Concepts.

## Sommario/riassunto

This volume contains the papers selected for presentation at the 11th International Conference on Rough Sets, Fuzzy Sets, Data Mining, and Granular Computing (RSFDGrC 2007), a part of the Joint Rough Set Symposium (JRS 2007) organized by Infobright Inc. and York University. JRS 2007 was held for the first time during May 14–16, 2007 in MaRS Discovery District, Toronto, Canada. It consisted of two conferences: RSFDGrC 2007 and the Second International Conference on Rough Sets and Knowledge Technology (RSKT 2007). The two conferences that constituted JRS 2007 investigated rough sets as an emerging methodology established more than 25 years ago by Zdzisław Pawlak. Rough set theory has become an integral part of diverse hybrid research streams. In keeping with this trend, JRS 2007 encompassed rough and fuzzy sets, knowledge technology and discovery, soft and granular computing, data processing and mining, while maintaining an emphasis on foundations and applications. RSFDGrC 2007 followed in the footsteps of well-established international initiatives devoted to the dissemination of rough sets research, held so far in Canada, China, Japan, Poland, Sweden, and the USA. RSFDGrC was first organized as the 7th International Workshop on Rough Sets, Data Mining and Granular Computing held in Yamaguchi, Japan in 1999. Its key feature was to stress the role of integrating intelligent information methods to solve real-world, large, complex problems concerned with uncertainty and fuzziness. RSFDGrC achieved the status of a bi-annual international conference, starting from 2003 in Chongqing, China.

2. Record Nr.	UNINA9910142422503321
Titolo	Applied categorical structures
Pubbl/distr/stampa	[Dordrecht], : Kluwer Academic Publishers [Dordrecht], : Springer Netherlands
ISSN	1572-9095
Disciplina	511.3
Soggetti	Categories (Mathematics) Algebra Mathematical analysis Topology Computer science Categories (Mathematiques) Algebre Analyse mathematique Topologie Informatique Categorieen (wiskunde) Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed