

Lecture Notes in Artificial Intelligence

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Preface

This volume contains papers presented at the 13th International Conference on Rough Sets, Fuzzy Sets and Granular Computing (RSFDGrC) held during June 25–27, 2011, at the National Research University Higher School of Economics (NRU HSE) in Moscow, Russia. RSFDGrC is a series of scientific events spanning the last 15 years. It investigates the meeting points among the four major disciplines outlined in its title, with respect to both foundations and applications. In 2011, RSFDGrC was co-organized with the 4th International Conference on Pattern Recognition and Machine Intelligence (PReMI), providing a great opportunity for multi-faceted interaction between scientists and practitioners.

There were 83 paper submissions from over 20 countries. Each submission was reviewed by at least three Chairs or PC members. We accepted 34 regular papers (41%). In order to stimulate the exchange of research ideas, we also accepted 15 short papers. All 49 papers are distributed among 10 thematic sections of this volume. The conference program featured five invited talks given by Jiawei Han, Vladik Kreinovich, Guoyin Wang, Radim Belohlavek, and C.A. Murthy, as well as two tutorials given by Marcin Szczuka and Richard Jensen. Their corresponding papers and abstracts are gathered in the first two sections of this volume.

We would like to thank all authors and reviewers for their work and excellent contributions. We express our gratitude to Lotfi A. Zadeh, who suggested many talented scientists to serve as PC members. The success of the whole undertaking would be impossible without collaboration with the Chairs of PReMI-2011, as well as the Chairs of workshops co-organized with the main conference. We also acknowledge the following organizations and sponsoring institutions: National Research University Higher School of Economics (Moscow), Laboratoire Poncelet (UMI 2615 du CNRS, Moscow), International Rough Set Society, International Fuzzy Systems Association, Russian Foundation for Basic Research, ABBYY Software House, Yandex (Moscow), and Springer. Last but not least, we are grateful to all Chairs and organizers of RSFDGrC-2011, especially to Dmitry I. Ignatov, whose endless energy saved us in the most critical stages of conference preparation.

April 2011

Sergei O. Kuznetsov
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Table of Contents

Invited Papers

Construction and Analysis of Web-Based Computer Science Information Networks	1
<i>Jiawei Han</i>	
Towards Faster Estimation of Statistics and ODEs Under Interval, P-Box, and Fuzzy Uncertainty: From Interval Computations to Rough Set-Related Computations	3
<i>Vladik Kreinovich</i>	
Rough Set Based Uncertain Knowledge Expressing and Processing	11
<i>Guoyin Wang</i>	
What is a Fuzzy Concept Lattice? II	19
<i>Radim Belohlavek</i>	
Rough Set Based Ensemble Classifier	27
<i>C.A. Murthy, Suman Saha, and Sankar K. Pal</i>	

Tutorial Papers

The Use of Rough Set Methods in Knowledge Discovery in Databases: Tutorial Abstract	28
<i>Marcin Szczuka</i>	
Fuzzy-Rough Data Mining	31
<i>Richard Jensen</i>	

Rough Sets and Approximations

Dual Rough Approximations in Information Tables with Missing Values	36
<i>Michinori Nakata and Hiroshi Sakai</i>	
Rough Sets and General Basic Set Assignments	44
<i>Tong-Jun Li and Wei-Zhi Wu</i>	
General Tool-Based Approximation Framework Based on Partial Approximation of Sets	52
<i>Zoltán Csajbók and Tamás Mihálydeák</i>	

An Improved Variable Precision Model of Dominance-Based Rough Set Approach 60
Weibin Deng, Guoyin Wang, and Feng Hu

Rough Numbers and Rough Regression 68
Marcin Michalak

Coverings and Granules

Covering Numbers in Covering-Based Rough Sets 72
Shiping Wang, Fan Min, and William Zhu

On Coverings of Rough Transformation Semigroups 79
S.P. Tiwari and Shambhu Sharan

Covering Rough Set Model Based on Multi-granulations 87
Caihui Liu and Duoqian Miao

A Descriptive Language Based on Granular Computing – Granular Logic 91
Qing Liu and Lan Liu

Fuzzy Set Models

Optimization and Adaptation of Dynamic Models of Fuzzy Relational Cognitive Maps 95
Grzegorz Stoń and Alexander Yastrebov

Sensitivity Analysis for Fuzzy Linear Programming Problems 103
Amit Kumar and Neha Bhatia

Estimation of Parameters of the Empirically Reconstructed Fuzzy Model of Measurements 111
Tatiana Kopit and Alexey Chulichkov

Dominance-Based Rough Set Approach for Possibilistic Information Systems 119
Tuan-Fang Fan, Churn-Jung Liao, and Duen-Ren Liu

Creating Fuzzy Concepts: The One-Sided Threshold, Fuzzy Closure and Factor Analysis Methods 127
Valerie Cross and Meenakshi Kandasamy

Position Paper: Pragmatics in Fuzzy Theory 135
Karl Erich Wolff

Fuzzy Set Applications

Regularization of Fuzzy Cognitive Maps for Hybrid Decision Support System	139
<i>Alexey N. Averkin and Sergei A. Kaunov</i>	
On Designing of Flexible Neuro-Fuzzy Systems for Nonlinear Modelling	147
<i>Krzysztof Cpałka, Olga Rebrova, Robert Nowicki, and Leszek Rutkowski</i>	
Time Series Processing and Forecasting Using Soft Computing Tools . . .	155
<i>Nadezhda Yarushkina, Irina Perfilieva, Tatiana Afanasieva, Andrew Igonin, Anton Romanov, and Valeria Shishkina</i>	
Fuzzy Linear Programming – Foreign Exchange Market	163
<i>Biljana R. Petreska, Tatjana D. Kolemisevska-Gugulovska, and Georgi M. Dimirovski</i>	
Fuzzy Optimal Solution of Fuzzy Transportation Problems with Transshipments	167
<i>Amit Kumar, Amarpreet Kaur, and Manjot Kaur</i>	
Fuzzy Optimal Solution of Fully Fuzzy Project Crashing Problems with New Representation of <i>LR</i> Flat Fuzzy Numbers	171
<i>Amit Kumar, Parmpreet Kaur, and Jagdeep Kaur</i>	
A Prototype System for Rule Generation in Lipski's Incomplete Information Databases	175
<i>Hiroshi Sakai, Michinori Nakata, and Dominik Ślęzak</i>	
 Compound Values	
How to Reconstruct the System's Dynamics by Differentiating Interval-Valued and Set-Valued Functions	183
<i>Karen Villaverde and Olga Kosheleva</i>	
Symbolic Galois Lattices with Pattern Structures	191
<i>Prakhar Agarwal, Mehdi Kaytoue, Sergei O. Kuznetsov, Amedeo Napoli, and Géraldine Polajillon</i>	
Multiargument Relationships in Fuzzy Databases with Attributes Represented by Interval-Valued Possibility Distributions	199
<i>Krzysztof Myszkowski</i>	
Disjunctive Set-Valued Ordered Information Systems Based on Variable Precision Dominance Relation	207
<i>Guoyin Wang, Qing Shan Yang, and Qing Hua Zhang</i>	

An Interval-Valued Fuzzy Soft Set Approach for Normal Parameter Reduction 211
Xiuqin Ma and Norrozila Sulaiman

Feature Selection and Reduction

Incorporating Game Theory in Feature Selection for Text Categorization 215
Nouman Azam and JingTao Yao

Attribute Reduction in Random Information Systems with Fuzzy Decisions 223
Wei-Zhi Wu and You-Hong Xu

Discernibility-Matrix Method Based on the Hybrid of Equivalence and Dominance Relations 231
Yan Li, Jin Zhao, Na-Xin Sun, Xi-Zhao Wang, and Jun-Hai Zhai

Studies on an Effective Algorithm to Reduce the Decision Matrix 240
Takuro Nishimura, Yuichi Kato, and Tetsuro Saeki

Accumulated Cost Based Test-Cost-Sensitive Attribute Reduction 244
Huaping He and Fan Min

Clusters and Concepts

Approximate Bicluster and Tricluster Boxes in the Analysis of Binary Data 248
Boris G. Mirkin and Andrey V. Kramarenko

From Triconcepts to Triclusters 257
Dmitry I. Ignatov, Sergei O. Kuznetsov, Ruslan A. Magizov, and Leonid E. Zhukov

Learning Inverted Dirichlet Mixtures for Positive Data Clustering 265
Taoufik Bdiri and Nizar Bouguila

Developing Additive Spectral Approach to Fuzzy Clustering 273
Boris G. Mirkin and Susana Nascimento

Rules and Trees

Data-Driven Adaptive Selection of Rules Quality Measures for Improving the Rules Induction Algorithm 278
Marek Sikora and Lukasz Wróbel

Relationships between Depth and Number of Misclassifications for Decision Trees	286
<i>Igor Chikalov, Shahid Hussain, and Mikhail Moshkov</i>	
Dynamic Successive Feed-Forward Neural Network for Learning Fuzzy Decision Tree	293
<i>Manu Pratap Singh</i>	
An Improvement for Fast-Flux Service Networks Detection Based on Data Mining Techniques	302
<i>Ziniu Chen, Jian Wang, Yujian Zhou, and Chunping Li</i>	
Online Learning Algorithm for Ensemble of Decision Rules	310
<i>Igor Chikalov, Mikhail Moshkov, and Beata Zielosko</i>	
Image Processing	
Automatic Image Annotation Based on Low-Level Features and Classification of the Statistical Classes	314
<i>Andrey Bronevich and Alexandra Melnichenko</i>	
Machine Learning Methods in Character Recognition	322
<i>Lev Itskovich and Sergei Kuznetsov</i>	
A Liouville-Based Approach for Discrete Data Categorization	330
<i>Nizar Bouguila</i>	
Image Recognition with a Large Database Using Method of Directed Enumeration Alternatives Modification	338
<i>Andrey V. Savchenko</i>	
Interactions and Visualisation	
Comparators for Compound Object Identification	342
<i>Lukasz Sosnowski and Dominik Ślęzak</i>	
Measuring Implicit Attitudes in Human-Computer Interactions	350
<i>Andrey Kiselev, Niyaz Abdikeev, and Toyoaki Nishida</i>	
Visualization of Semantic Network Fragments Using Multistripe Layout	358
<i>Alexey Lakhno and Andrey Chepovskiy</i>	
Pawlak Collaboration Graph and Its Properties	365
<i>Zbigniew Suraj, Piotr Grochowalski, and Lukasz Lew</i>	
Author Index	369