

Table of Contents

Feature Selection with Rough Sets for Web Page Classification.....	1
<i>Aijun An, Yanhui Huang, Xiangji Huang, and Nick Cercone</i>	
On Learning Similarity Relations in Fuzzy Case-Based Reasoning	14
<i>Eva Armengol, Francesc Esteva, Lluís Godo, and Vicenç Torra</i>	
Incremental versus Non-incremental Rule Induction for Multicriteria Classification	33
<i>Salvatore Greco, Roman Słowiński, Jerzy Stefanowski, and Marcin Żurawski</i>	
Three Strategies to Rule Induction from Data with Numerical Attributes .	54
<i>Jerzy W. Grzymala-Busse</i>	
Fuzzy Transforms	63
<i>Irina Perfilieva</i>	
Possible Equivalence Relations and Their Application to Hypothesis Generation in Non-deterministic Information Systems	82
<i>Hiroshi Sakai</i>	
Applications of Fuzzy Logic Functions to Knowledge Discovery in Databases	107
<i>Noboru Takagi, Hiroaki Kikuchi, and Masao Mukaidono</i>	
Fuzzy Integral Based Fuzzy Switching Functions	129
<i>Eiichiro Takahagi</i>	
First Steps Towards Computably-Infinite Information Systems	151
<i>Peter Apostoli, Akira Kanda, and Lech Polkowski</i>	
Data Structure and Operations for Fuzzy Multisets.....	189
<i>Sadaaki Miyamoto</i>	
A Non-controversial Definition of Fuzzy Sets	201
<i>Jaroslav Ramík and Milan Vlach</i>	
Algebraic Structures for Rough Sets	208
<i>Gianpiero Cattaneo and Davide Ciucci</i>	
Rough Mereology as a Link Between Rough and Fuzzy Set Theories. A Survey	253
<i>Lech Polkowski</i>	

Fuzzy Rough Sets Based on Residuated Lattices 278
 Anna Maria Radzikowska and Etienne E. Kerre

Semantics of Fuzzy Sets in Rough Set Theory 297
 Yiyu Yao

A New Proposal for Fuzzy Rough Approximations
and Gradual Decision Rule Representation 319
 Salvatore Greco, Masahiro Inuiguchi, and Roman Słowiński

Emergent Rough Set Data Analysis 343
 Yasser Hassan and Eiichiro Tazaki

Author Index 363

Transactions on Rough Sets II

Rough Sets and Fuzzy Sets

Editor-in-chief: Skowron, A. - Peters, J.F.; Dubois, D.;

Grzymala-Busse, J.; Inuiguchi, M.; Polkowski, L. (Eds.)

2005, X, 363 p., Softcover

ISBN: 978-3-540-23990-1