

Contents

Part I: General Issues

<i>Modeling Knowledge: Model-based Decision Support and Soft Computations</i>	3
M. Makowski and A.P. Wierzbicki	
<i>Benefits of Decision Support Using Soft Computing</i>	61
W. Cheetham, K. Goebel and P. Bonissone	
<i>Evolving Connectionist-based Decision Support Systems</i>	86
N. Kasabov	
<i>An Agent-based Soft Computing Society with Application Applications in Financial Investment Planning</i>	99
Ch. Zhang and Z. Zhang	
<i>A Rough Sets/Neoral Networks Approach to Knowledge Discovery for the Development of Decision Support Systems</i>	127
I. Jagielska	

Part II: Applications and Implementations

<i>Decision Support Systems in Healthcare: Emerging Trends and Success Factors</i>	151
T.-Y. Leong	
<i>A View of Public and Private Sectors for Taiwan's BOT Project Financing Using Fuzzy Multi-Criteria Methods</i>	180
J.-H. Cheng	
<i>Relational Structures for the Analysis of Decision Information in an Electronic Market et</i>	196
B. van der Walle	

<i>A Fuzzy Evaluation Model: A Case for Intermodal Terminals in Europe</i> R.A. Ribeiro, A.M.D. Moreira and E. Declercq	218
<i>Application of Kemeny's Median for Group Decision Support</i> H. Bury and D. Wagner	235
<i>An Internet-based Group Decision and Consensus Reaching Support System</i> S. Zadrozny and J. Kacprzyk	263
<i>Limpio: A DSS for the Urban Waste Collection Problem</i> J.L. Peláez, M.T. Lamata and F.J. Fuentes	277
<i>A Decision Support System for Air Quality Control Based on Soft Computing Methods</i> P. Holnicki and A. Kaluszko	290
<i>Multicriteria Genetic Tuning for the Optimization and Control of HVAC Systems</i> R. Alcalá, J.M. Benítez, J. Castillas, J.L. Castro, O. Cordon, A. Gonzàles, F. Herrera and R. Pérez	308
<i>Intelligent Information Systems for Crime Analysis</i> K.P. Lam	346
<i>Application of Fuzzy Decision Trees to Reservoir Recognition</i> X. Z. Wang, D.S. Yeung, E.C.C. Tsang and J.W.T. Lee	364
<i>Introducing SACRA: A Decision Support System for the Construction of Cattle Diets</i> D.A. Pelta, J.L. Verdegay and J.M. Cadenas	391
<i>Prediction of Parthenium Weed Dispersal Using Fuzzy Logic on GIS Spatial Image</i> A. Chiou and X. Yu	402