

# Contents

<b>Logical Analogies Between Intuitionistic Fuzzy Sets and Rough Sets</b> .....	1
László Kovács and Sándor Radeleczki	
<b>Enhanced Knowledge Management by Synchronizing Mind Maps and Fuzzy Cognitive Maps</b> .....	15
Sara D’Onofrio, Edy Portmann, Patrick Kaltenrieder, and Thomas Myrach	
<b>Constraints and Wishes in Quantified Queries Merged by Asymmetric Conjunction</b> .....	25
Miroslav Hudec	
<b>Statistical Characteristics of Distributions Obtained Using the Signed Distance Defuzzification Method Compared to Other Methods</b> ...	35
Rédina Berkachy and Laurent Donzé	
<b>An Intuitionistic Fuzzy Service Model: Use Case for Swiss Health Platform</b> .....	47
Daria Balkenende, Roland Schüetze, and Andreas Meier	
<b>A Modified Fuzzy TOPSIS Method Aggregating 8.921 Partial Rankings For Companies’ Attractiveness</b> .....	59
Zoumpolia Dikopoulou, Gonzalo Nápoles, Elpiniki Papageorgiou, and Koen Vanhoof	
<b>A Fuzzy-Based Approach to Estimate Management Processes Risks</b> .....	73
Yaser E. Hawas and Moza T. Al-Nahyan	
<b>Keynote Speakers</b> .....	85
<b>A Reflection on the Words Uncertain and Probable</b> .....	87
Enric Trillas	

**Semantics Data Integration Through the Use of Fuzzy Approximate Reasoning and Defuzzification** ..... 89  
Elizabeth Chang

**Tutorials** ..... 91

**From a Data-Driven Towards a Knowledge-Driven Society: Making Sense of Data** ..... 93  
Edy Portmann, Ulrich Reimer, and Gwendolin Wilke

**Linguistic Summaries and Their Quality** ..... 99  
Miroslav Hudec

**Author Index** ..... 103



<http://www.springer.com/978-3-319-54047-4>

The Application of Fuzzy Logic for Managerial Decision  
Making Processes

Latest Research and Case Studies

Meier, A.; Portmann, E.; Stoffel, K.; Terán, L. (Eds.)

2017, XII, 103 p. 35 illus., Hardcover

ISBN: 978-3-319-54047-4