

# Contents

<b>List of Figures</b> .....	vii
<b>List of Tables</b> .....	ix
<b>Introduction</b> .....	xi
Matthias Ehrgott, José Rui Figueira, and Salvatore Greco	
<b>1 Dynamic MCDM, Habitual Domains and Competence Set Analysis for Effective Decision Making in Changeable Spaces</b> .....	1
Po-Lung Yu and Yen-Chu Chen	
<b>2 The Need for and Possible Methods of Objective Ranking</b> .....	37
Andrzej P. Wierzbicki	
<b>3 Preference Function Modelling: The Mathematical Foundations of Decision Theory</b> .....	57
Jonathan Barzilai	
<b>4 Robustness in Multi-criteria Decision Aiding</b> .....	87
Hassene Aissi and Bernard Roy	
<b>5 Preference Modelling, a Matter of Degree</b> .....	123
Bernard De Baets and János Fodor	
<b>6 Fuzzy Sets and Fuzzy Logic-Based Methods in Multicriteria Decision Analysis</b> .....	157
Radko Mesiar and Lucia Vavříková	
<b>7 Argumentation Theory and Decision Aiding</b> .....	177
Wassila Ouerdane, Nicolas Maudet, and Alexis Tsoukiàs	

<b>8</b>	<b>Problem Structuring and Multiple Criteria Decision Analysis</b> .....	209
	Valerie Belton and Theodor Stewart	
<b>9</b>	<b>Robust Ordinal Regression</b> .....	241
	Salvatore Greco, Roman Słowiński, José Rui Figueira, and Vincent Mousseau	
<b>10</b>	<b>Stochastic Multicriteria Acceptability Analysis (SMAA)</b> .....	285
	Risto Lahdelma and Pekka Salminen	
<b>11</b>	<b>Multiple Criteria Approaches to Group Decision and Negotiation</b> .....	317
	D. Marc Kilgour, Ye Chen, and Keith W. Hipel	
<b>12</b>	<b>Recent Developments in Evolutionary Multi-Objective Optimization</b> .....	339
	Kalyanmoy Deb	
<b>13</b>	<b>Multiple Criteria Decision Analysis and Geographic Information Systems</b> .....	369
	Jacek Malczewski	
	<b>Contributors</b> .....	397
	<b>Index</b> .....	407

Trends in Multiple Criteria Decision Analysis

Greco, S.; Ehrgott, M.; Figueira, J.R. (Eds.)

2010, XVI, 412 p., Hardcover

ISBN: 978-1-4419-5903-4