

Contents

1 Multi-Objective Combinatorial Optimization: Problematic and Context	
<i>Carlos A. Coello Coello, Clarisse Dhaenens, Laetitia Jourdan</i>	1
2 Approximating Pareto-Optimal Sets Using Diversity Strategies in Evolutionary Multi-Objective Optimization	
<i>Christian Horoba, Frank Neumann</i>	23
3 On the Velocity Update in Multi-Objective Particle Swarm Optimizers	
<i>Juan J. Durillo, Antonio J. Nebro, José García-Nieto, Enrique Alba</i>	45
4 Approaching Dynamic Multi-Objective Optimization Problems by Using Parallel Evolutionary Algorithms	
<i>Mario Cámara, Julio Ortega, Francisco de Toro</i>	63
5 ParadisEO-MOEO: A Software Framework for Evolutionary Multi-Objective Optimization	
<i>Arnaud Liefooghe, Laetitia Jourdan, Thomas Legrand, Jérémy Humeau, El-Ghazali Talbi</i>	87
6 The Multiobjective Traveling Salesman Problem: A Survey and a New Approach	
<i>Thibaut Lust, Jacques Teghem</i>	119
7 On the Performance of Local Search for the Biobjective Traveling Salesman Problem	
<i>Luís Paquete, Thomas Stützle</i>	143

8 A Bi-objective Metaheuristic for Disaster Relief Operation Planning	
<i>Pamela C. Nolz, Karl F. Doerner, Walter J. Gutjahr,</i>	
<i>Richard F. Hartl</i>	167
Author Index	189
Index	191