

Martin Josef Geiger • Walter Habenicht
Marc Sevaux • Kenneth Sörensen
Editors

Metaheuristics in the Service Industry

 Springer

Contents

A Bicriteria Traveling Salesman Problem with Sequence Priorities	1
Heinz Schmitz and Sebastian Niemann	
Metaheuristics for Tourist Trip Planning	15
Pieter Vansteenwegen, Wouter Souffriau, Greet Vanden Berghe, and Dirk Van Oudheusden	
Solving Fuzzy Multi-item Economic Order Quantity Problems via Fuzzy Ranking Functions and Particle Swarm Optimization	33
Adil Baykasoğlu and Tolunay Göçken	
Fixed and Variable Toll Pricing in Road Networks with Direct Search Metaheuristics	45
Loukas Dimitriou and Theodore Tsekeris	
Scatter Search for Locating a Treatment Plant and the Necessary Transfer Centers in a Reverse Network	63
Míguel Ortega-Mier, Joaquín Delgado Hipólito, and Álvaro García-Sánchez	
Variable Neighbourhood Descent for Planning Crane Operations in a Train Terminal	83
Wouter Souffriau, Pieter Vansteenwegen, Greet Vanden Berghe, and Dirk Van Oudheusden	
Design and Analysis of Evolutionary Algorithms for the No-Wait Flow-Shop Scheduling Problem	99
Jens Czogalla and Andreas Fink	
Metaheuristics for the Index Tracking Problem	127
Giacomo di Tollo and Dietmar Maringer	
A Hybrid Algorithm for Vehicle Routing of Less-Than-Truckload Carriers	155
Julia Rieck and Jürgen Zimmermann	