Contents

Part I Overviews and Surveys

Routing a Heterogeneous Fleet of Vehicles
Roberto Baldacci, Maria Battarra, Daniele Vigo ....................... 3

A Decade of Capacitated Arc Routing
Sanne Wøhlk .................................................... 29

Inventory Routing
Luca Bertazzi, Martin Savelsbergh, Maria Grazia Speranza .......... 49

The Period Vehicle Routing Problem and its Extensions
Peter M. Francis, Karen R. Smilowitz, Michal Tzur ..................... 73

The Split Delivery Vehicle Routing Problem: A Survey
Claudia Archetti, Maria Grazia Speranza............................. 103

Challenges and Advances in A Priori Routing
Ann Melissa Campbell, Barrett W. Thomas .......................... 123

Metaheuristics for the Vehicle Routing Problem and Its
Extensions: A Categorized Bibliography
Michel Gendreau, Jean-Yves Potvin, Olli Bräysy, Geir Hasle, Arne
Løkketangen ..................................................... 143

Parallel Solution Methods for Vehicle Routing Problems
Teodor Gabriel Crainic .................................................. 171

Recent Developments in Dynamic Vehicle Routing Systems
Allan Larsen, Oli B.G. Madsen, Marius M. Solomon ............... 199
## Part II New Directions in Modeling and Algorithms

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Vehicle Routing Problems: A Survey</td>
<td>Patrick Jaillet, Michael R. Wagner</td>
<td>221</td>
</tr>
<tr>
<td>Modeling and Solving the Capacitated Vehicle Routing Problem on Trees</td>
<td>Bala Chandran, S. Raghavan</td>
<td>239</td>
</tr>
<tr>
<td>Using a Genetic Algorithm to Solve the Generalized Orienteering Problem</td>
<td>Xia Wang, Bruce L. Golden, Edward A. Wasil</td>
<td>263</td>
</tr>
<tr>
<td>An Integer Linear Programming Local Search for Capacitated Vehicle Routing Problems</td>
<td>Paolo Toth, Andrea Tramontani</td>
<td>275</td>
</tr>
<tr>
<td>Recent Models and Algorithms for One-to-One Pickup and Delivery Problems</td>
<td>Jean-François Cordeau, Gilbert Laporte, Stefan Ropke</td>
<td>327</td>
</tr>
<tr>
<td>One-to-Many-to-One Single Vehicle Pickup and Delivery Problems</td>
<td>Irina Gribkovskaia, Gilbert Laporte</td>
<td>359</td>
</tr>
<tr>
<td>Challenges and Opportunities in Attended Home Delivery</td>
<td>Niels Agatz, Ann Melissa Campbell, Moritz Fleischmann, Martin Savelsbergh</td>
<td>379</td>
</tr>
<tr>
<td>Chvátal-Gomory Rank-1 Cuts Used in a Dantzig-Wolfe Decomposition of the Vehicle Routing Problem with Time Windows</td>
<td>Bjørn Petersen, David Pisinger, Simon Spoorendonk</td>
<td>397</td>
</tr>
<tr>
<td>Vehicle Routing Problems with Inter-Tour Resource Constraints</td>
<td>Christoph Hempsch, Stefan Irnich</td>
<td>421</td>
</tr>
<tr>
<td>From Single-Objective to Multi-Objective Vehicle Routing Problems: Motivations, Case Studies, and Methods</td>
<td>Nicolas Jozefowiez, Frédéric Semet, El-Ghazali Talbi</td>
<td>445</td>
</tr>
</tbody>
</table>
Part III Practical Applications

Vehicle Routing for Small Package Delivery and Pickup Services
Richard T. Wong .......................................................... 475

Advances in Meter Reading: Heuristic Solution of the Close Enough Traveling Salesman Problem over a Street Network
Robert Shuttleworth, Bruce L. Golden, Susan Smith, Edward Wasil .... 487

Multiperiod Planning and Routing on a Rolling Horizon for Field Force Optimization Logistics
Nathalie Bostel, Pierre Dejax, Pierre Guez, Fabien Tricoire ........... 503

Health Care Logistics, Emergency Preparedness, and Disaster Relief: New Challenges for Routing Problems with a Focus on the Austrian Situation
Karl F. Doerner, Richard F. Hartl .................................... 527

Vehicle Routing Problems and Container Terminal Operations – An Update of Research
Robert Stahlbock, Stefan Voß ........................................ 551
The Vehicle Routing Problem: Latest Advances and New Challenges
(Eds.) B. Golden; S. Raghavan; E. Wasil
2008, X, 589 p. 85 illus., Hardcover