Contents

Part I  Container Terminal Operation: Innovations, Trends, Competition and Business Models

1  Innovative Container Terminals to Improve Global Container Transport Chains ........................................ 3
   Xinjia Jiang, Ek Peng Chew and Loo Hay Lee

2  Container Terminal Operation: Current Trends and Future Challenges ............................................. 43
   Kap Hwan Kim and Hoon Lee

3  Container Port Competition in Europe ...................................... 75
   Theo E. Notteboom and Peter W. de Langen

4  Container Port Competition and Competitiveness Analysis: Asian Major Ports .................................. 97
   Paul Tae-Woo Lee and Jasmine Siu Lee Lam

5  Choosing a Business Model of Container Terminal Operations .......... 137
   Chin-Shan Lu and Pei-Hsuan Chang

Part II  Shipping Liners: Tactical and Operational Management

6  Empty Container Repositioning ........................................ 163
   Dong-Ping Song and Jing-Xin Dong

7  Robust Optimization Approach to Empty Container Repositioning in Liner Shipping ........................................ 209
   Ho-Tak Tsang and Ho-Yin Mak

8  Disruption Management for Liner Shipping ................................. 231
   Xiangtong Qi
<table>
<thead>
<tr>
<th>Part</th>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td><strong>Bunker Purchasing in Liner Shipping</strong></td>
<td>Christian E. M. Plum, David Pisinger and Peter N. Jensen</td>
<td>251</td>
</tr>
<tr>
<td>10</td>
<td><strong>Ship Route Schedule Based Interactions Between Container Shipping Lines and Port Operators</strong></td>
<td>Shuaian Wang, Abdurahim Alharbi and Pam Davy</td>
<td>279</td>
</tr>
<tr>
<td>11</td>
<td><strong>Slow Steaming in Maritime Transportation: Fundamentals, Trade-offs, and Decision Models</strong></td>
<td>Harilaos N. Psaraftis and Christos A. Kontovas</td>
<td>315</td>
</tr>
<tr>
<td>12</td>
<td><strong>Efficient Global Container Transport Network Design</strong></td>
<td>Shuaian Wang and Zhiyuan Liu</td>
<td>359</td>
</tr>
<tr>
<td></td>
<td><strong>Part III Shippers and Global Supply Chain Management</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td><strong>Purchasing Transportation Services from Ocean Carriers</strong></td>
<td>Zhou Xu and Xiaofan Lai</td>
<td>399</td>
</tr>
<tr>
<td>14</td>
<td><strong>Ocean Transport and the Facilitation of Trade</strong></td>
<td>Albert Veenstra</td>
<td>429</td>
</tr>
<tr>
<td>15</td>
<td><strong>Modelling Global Container Freight Transport Demand</strong></td>
<td>Lóránt A. Tavasszy, Olga Ivanova and Ronald Aprilyanto Halim</td>
<td>451</td>
</tr>
<tr>
<td>16</td>
<td><strong>Competition and Co-operation in Maritime Logistics Operations</strong></td>
<td>Eon-Seong Lee and Dong-Wook Song</td>
<td>477</td>
</tr>
<tr>
<td>17</td>
<td><strong>Hinterland Transportation in Container Supply Chains</strong></td>
<td>Yann Bouchery, Stefano Fazi and Jan C. Fransoo</td>
<td>497</td>
</tr>
<tr>
<td>18</td>
<td><strong>Green Corridors and Their Possible Impact on the European Supply Chain</strong></td>
<td>George Panagakos, Harilaos N. Psaraftis and Even Ambros Holte</td>
<td>521</td>
</tr>
<tr>
<td></td>
<td><strong>Index</strong></td>
<td></td>
<td>551</td>
</tr>
</tbody>
</table>