

# CONTENTS

Preface	v
1 Visions for city logistics <i>E. Taniguchi, R. G. Thompson and T. Yamada</i>	1
2 Urban freight movements and public-private partnerships <i>M. Browne, T. Nemoto, J. Visser and T. Whiteing</i>	17
3 Transport demand, transport and traffic flow – Key elements of city logistics <i>R. Raicu and S. Raicu</i>	37
4 Assessment of the relationship between vehicle type mix and the benefit of freight projects <i>K. Kawamura, A. Seetharaman and S. D. Bhatta</i>	53
5 Estimation of an origin-destination matrix for urban freight transport. Application to the city of Seville <i>J. Muñozuri, J. Larrañeta, L. Onieva and P. Cortés</i>	67
6 A new interactive approach on route planning with tight delivery time windows <i>O. Kunze</i>	83
7 Intelligent vehicle routing and scheduling <i>R. G. Thompson</i>	97
8 Road network reliability analysis using vehicle routing and scheduling procedures <i>T. Yamada, Y. Yoshimura and K. Mori</i>	111
9 On the estimation of the maximum efficiency of the trucking industry: Implications for city logistics <i>J. Holguín-Veras</i>	123
10 Modelling effects of e-commerce on urban freight transport <i>E. Taniguchi and Y. Kakimoto</i>	135
11 Last-mile, a procedure to set-up an optimized delivery scheme <i>G. Fusco, L. Tatarelli and M. P. Valentini</i>	147

12	Towards a matching system for the auction of transport orders <i>R. van Duin and J.C. Kneyber</i>	163
13	Systems theory, complexity and supply organizational models to enrich city logistics: An approach <i>J. M. C. de Carvalho</i>	179
14	Assessing impacts of greenhouse gas abatement measures on urban freight <i>L. Marquez, N. Smith, D. Kilsby, M. Taylor and R. Zito,</i>	191
15	The environmental assessment of urban goods movement <i>E. Segalou, C. Ambrosini and J.-L. Routhier</i>	207
16	Route choice and the impact of 'logistic routes' <i>J. Vleugel and M. Janic</i>	221
17	Empirical analysis on hazardous material transportation using road traffic census and accident data <i>T. Ito, M. Hayano, T. Naito, Y. Asakura, E. Hato and T. Wada</i>	235
18	Analysing the potential impacts of sustainable distribution measures in UK urban areas <i>J. Allen, M. Browne, G. Tanner, S. Anderson, G. Christodoulou and P. Jones</i>	251
19	Future city logistics in Japan from the shippers' and carriers' view - Prospects and recent measures to develop them <i>K. Hayashi and Y. Yano</i>	263
20	City logistics in Italy: A national project <i>S. Gragnani, G. Valenti and M. P. Valentini</i>	279
21	Developments in urban distribution in London <i>M. Baybars and M. Browne</i>	295
22	An experimental cooperative parcel pick-up system using the Internet in the central business district in Tokyo <i>T. Nemoto</i>	309
23	New ideas for the city-logistics project in Kassel <i>U. Köhler</i>	321

24	A study on the setting up of lorry-dedicated routes in the Brussels Capital Region <i>W. Debauche</i>	333
25	New concepts for city logistics <i>J. C. Rijsenbrij</i>	349
26	Urban rail and intermodal freight strategies in the Zurich area: A case study from Switzerland <i>M. Ruesch</i>	365
27	On-line retailing in France: Current and future effects on city logistics <i>D. Patier and L. Alligier</i>	381
28	Dispelling the e-commerce and urban transport environmental doomsday forecasts: A counter intuitive Australian case study – The postal transport network restructure, 1995 to 2000 <i>K. Hassall</i>	397
29	E-commerce and end delivery issues <i>M. Stumm and D. Bollo</i>	405
30	Web-based transport exchange systems in Japan and its implication to traffic volume <i>R. Yoshimoto</i>	421
31	Summary of the OECD report 'Delivering the Goods-21st Century Challenges to Urban Goods Transport' <i>OECD Programme of Research on Road Transport and Intermodal Linkages Working Group on Urban Freight Logistics</i>	431
32	Sustainable city logistic solutions <i>S. Kjaersgaard and H. E. Jensen</i>	441
33	The E+ Transport environmental operator classification system <i>K. Hassall</i>	449
34	Relationships between goods distribution and public transport in urban areas - the case of a hypermarket in Porto <i>A. Costa and S. Melo</i>	459