

## City Logistics: Mapping The Future

From CRC Press



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**City Logistics: Mapping The Future** examines the key concepts of city logistics along with the associated implementation issues, methodologies, and policy measures. Chronicling the growth of city logistics as a discipline and how planning and policy have improved practice over the last ten years, it details the technologies, policies, and plans that can reduce traffic congestion, environmental impact, and the cost of logistics activities in urban freight transportation systems.

The book provides a comprehensive study of the modelling, planning, and evaluation of urban freight transport. It includes case studies from the US, UK, Netherlands, Japan, South Africa, and Australia that illustrate the experiences of cities that have already implemented city logistics, including the methods used to solve the complex issues relating to urban freight transport.

- Presents procedures for evaluating city logistics policy measures
- Provides an overview of intelligent transport systems in city logistics
- Highlights the essential features of joint delivery systems and off-hour delivery programs
- Supplies an overview of access restrictions and regulations related to city logistics in urban areas

Expert contributors from major cities around the world discuss regional developments, share success stories and personal experiences, and highlight emerging trends in urban logistics. Coverage includes mathematical modeling, public policy planning and implementation, logistics in urban planning designs, and urban distribution centers.

The book examines the impact of recent advancements in technology on city logistics, including information and communication technologies, intelligent transport systems, and GPS. It also considers future directions in city logistics, including humanitarian logistics, alternative transport modes in co-modality, last kilometer deliveries, partnerships between public and private sectors, alternative fuel vehicles, and emerging technologies such as 3D printing.

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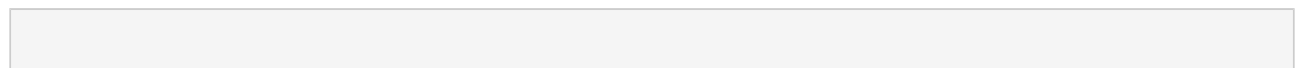
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#### Review

Markus Hesse

an early contribution to an undoubtedly relevant field of research.

Journal of Transport Geography

David Stewart-David

...theoretical, but it does benefit from empirical evidence from city traffic policies. It ought to be within the capabilities of a numerate undergraduate specialising in logistics....give a lucid explanation of simulation and meta-heuristic techniques, and makes helpful reference to the issue of modelling across perceptions....interesting concluding chapter on future perspectives....this book will be useful.

Logistics and Transport Focus

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Logistics and Transport Focus

#### About the Author

**Eiichi Taniguchi** is Professor of Transport and Logistics in the Department of Urban Management, Graduate School of Engineering, Kyoto University, Japan. His research centers on city logistics and urban freight transport modeling, focusing on stochastic and dynamic vehicle routing and scheduling with time windows, and multi-agent simulation considering behavior of stakeholders who are involved in urban freight transport. His recent research covers health and security issues, including humanitarian logistics after catastrophic disasters and home health care problems in an aging society. He has published more than 200 academic papers and nine books. He was awarded the best paper award by the Japan Society of Civil Engineers in 2000 and by the Eastern Asia Society for Transportation Studies in 1999 and 2011. As the president of Institute for City Logistics since 1999 he has organized the First through Eighth International Conferences on City Logistics in various venues in the world. He has been actively involved in collaborative research in international organizations including the Organisation for Economic Co-operation and Development, the World Conference on Transport Research Society, the Transportation Research Board, and the World Road Association.

**Russell G. Thompson** has more than 15 years of experience in city logistics research. He has been involved in a number of local and international studies relating to urban freight, including the Best Urban Freight Solutions (BESTUFS) project and the OECD report on urban distribution. Professor Thompson is a founding Director and the Vice President of the Institute for City Logistics based in Kyoto and a Team Leader of the recently established VOLVO Centre of Excellence in Sustainable Urban Freight Systems.

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