Contents

Part I Public Sector Activities	
Beyond Traffic: Trends and Choices 2045—A National Dialogue About Future Transportation Opportunities and Challenges	3
Creating an Innovative Mobility Ecosystem for Urban Planning Areas Dewan Masud Karim	
Part II Sharing Economy and Multimodal Mobility	
How Disruptive Can Shared Mobility Be? A Scenario-Based Evaluation of Shared Mobility Systems Implemented at Large Scale Francesco Ciari and Henrik Becker	51
Transit Systems and the Impacts of Shared Mobility Joe Iacobucci, Kirk Hovenkotter and Jacob Anbinder	65
Shared Mobility in Asian Megacities: The Rise of the Apps Katja Schechtner and Melinda Hanson	77
What Drives the Usage of Intelligent Traveler Information Systems? Christopher Lisson, Margeret Hall, Wibke Michalk and Christof Weinhardt	89
You Are What You Share: Understanding Participation Motives in Peer-to-Peer Carsharing. Mark-Philipp Wilhelms, Sven Henkel and Katrin Merfeld	
Multimodal Transportation Payments Convergence—Key to Mobility	121

System Effects of Widespread Use of Fully Automated Vehicles—Three Scenarios	135
Smartphone App Evolution and Early Understanding from a Multimodal App User Survey Susan Shaheen, Adam Cohen and Elliot Martin	149
Getting Around with Maps and Apps: How ICT Sways Mode Choice	165
Online and App-Based Carpooling in France: Analyzing Users and Practices—A Study of BlaBlaCar. Susan Shaheen, Adam Stocker and Marie Mundler	181
A Framework for Understanding the Impacts of Ridesourcing on Transportation	197
Part III Innovative Transportation Technologies and City Design	
Disrupting Mobility: Decarbonising Transport?	213
Accessibility in Cities: Transport and Urban Form	239
Mobility Patterns in Shared, Autonomous, and Connected Urban Transport. Nicole Ronald, Zahra Navidi, Yaoli Wang, Michael Rigby, Shubham Jain, Ronny Kutadinata, Russell Thompson and Stephan Winter	275
Transit Leap: A Deployment Path for Shared-Use Autonomous Vehicles that Supports Sustainability Bern Grush and John Niles	291
Biking and the Connected City	307
iTRANS: Proactive ITS Based on Drone Technology to Solve Urban Transportation Challenge Luis E. Ferreras	
Mobilescapes: A New Frontier for Urban, Vehicle, and Media Design	335