

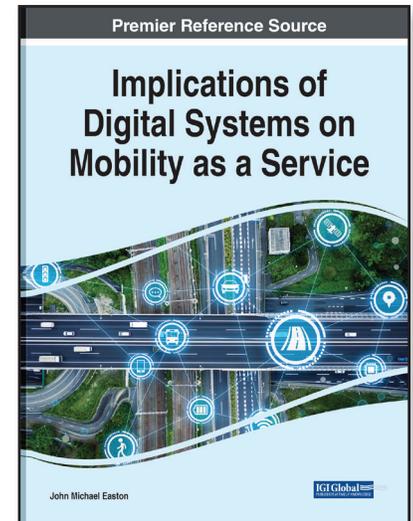
# Implications of Digital Systems on Mobility as a Service

Part of the Advances in Civil and Industrial Engineering Book Series

John Michael Easton (University of Birmingham, UK)

## Description:

The transport sector has undergone a period of rapid change in the past 30 years within individual transport modes and the greater use of ICT. Technology has created low-cost business models in aviation, digitalization of assets, the introduction of in-cab signaling on railways, the deployment of managed motorways, traffic control on the highways, and many more significant advances, all of which have been enabled using ICT. In accordance with the exploitation of data, such as customer, asset, and environmental, mobility services are more advanced than ever. Individual transport modes cannot continue to function in isolation or without meeting these digital shifts if they are to develop as an industry and reap the benefits of a cleaner, greener, and more personalized travel experience for the future.



**Implications of Digital Systems on Mobility as a Service** explores the role of data in the future of multimodal transport, showcases the work of leading organizations in the transportation research community, and highlights the roles that promising new technologies will play in readying transport networks for the 21st century. The chapters discuss the implications of digital systems on the growth of mobility as a service and provide a snapshot of the challenges facing transport as infrastructure, financial, and climate pressures force a shift to modern ways of working. Topics include big data, business analytics, the internet of transport things, improved user experience, and real-time transport operations. This book is essential for industry professionals, transport professionals, researchers in the transportation field, policymakers, and civil servants, as well as practitioners, researchers, academicians, and students interested in how digital systems are affecting transportation.

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