# **Special Issue**

## Modeling and Simulation Innovations for Advanced Logistics Systems Management

## Message from the Guest Editors

Modern logistics systems have become complex, highly integrated networks requiring sophisticated management strategies to ensure seamless supply chain operations. Modeling and simulation techniques are vital for optimizing logistics systems, enabling better decision-making, efficiency, and resilience in an everevolving market. With the rapid advancement of digital twins, predictive analytics, and agent-based modeling technologies, logistics systems managers can now proactively address challenges like demand fluctuations, route optimization, and risk management. This Special Issue will explore the latest advances in modeling and simulation for logistics systems management, emphasizing applications that enhance adaptability, sustainability, and strategic planning. We welcome contributions that examine innovative methodologies, case studies on real-world implementations, and research tackling the unique logistics modeling challenges. The goal is to provide theoretical insights and practical solutions that can help shape the future of logistics systems management.

## **Guest Editors**

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## Editor-in-Chief

Prof. Dr. Ben Clegg Operations & Service Management Department, Aston Business School, Aston University, Birmingham B47ET, UK

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