



logistics



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Applications of AI and Machine Learning Models for Logistics and Supply Chain Management

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Message from the Guest Editors

The goal of this special issue is to accelerate the adoption of machine learning and related AI tools and technologies in supply chain management and logistics. The topics include, but not limited to, application of data analytics, machine learning and other AI tools to:

- Supply chain planning and optimization
- Predictive and prescriptive supply chain analytics
- Demand planning and inventory management
- Data-driven revenue management and pricing
- Automation of supply chain operations
- Supply chain disruption management
- Intelligent logistics networks and services
- Warehouse automation
- Real-time fleet monitoring and management
- Routing and delivery optimization
- Digital platforms for procurement and supply chain operations
- Supplier selection and performance tracking
- Robotic process automation
- Autonomous delivery vehicles
- Blockchain for supply chain transparency and security
- Real-time product tracking and tracing
- Autonomous mobile robotics
- AI-powered visual quality inspection systems
- Virtual assistants for procurement and supply chain security
- Anomaly detection and fraud management



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Special Issue