

Workshop title

Smart Initiatives to Improve Last-mile and 50 feet Logistics to Improve Freight Fluidity

Workshop proposer(s)

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Abstract

A rapid development of new technologies, in the last few years, has created opportunities for resolving many critical freight transportation challenges. As a main result of introducing new technologies, availability of information, their accuracy, and decision-making speed were significantly improved. Creating smart mobility freight system can make a powerful influence on the whole transportation network not only on city and region but as well as at state and country level. Smart mobility freight system comprises a variety of Intelligent Transportation Systems applications. In addition, the growth of e-commerce and urban populations are creating big challenges for urban metropolitan areas. The last mile delivery and the final 50 feet delivery of urban goods are new fields of research in which officials improve the productivity of the curb, alley the freight bay space in concern with supply chain, transportation and logistics firms and retainers. This workshop aims to address critical issues affecting planning, design, operation, and safety. In addition, this workshop will focus on 1) identify innovative strategies and technologies which are being employed/developed to facilitate 'last-mile' / 'last 50 feet' delivery challenges from around the world, and 2) to establish a process to evaluate operational changes or technology applications which support the timely flow of freight movements through the transportation system. Additionally, it will deal with various newly emerged initiatives in the area of logistics and supply chain, such as sustainable logistics systems, methods for last mile deliveries and logistics terminals siting and operations. The workshop break-out sessions will engage participants and facilitate research-oriented discussions. Break-out sessions will introduce participants with the whole concept of Smart Freight Mobility as well as serve for information exchange of the research accomplishments.

Keywords

- Intelligent Logistics
- Commercial Fleet Management
- Network Modeling

Topics of interest

- "Last Mile" problem in City Logistic System/City Logistics
- Network Design and Planning, Smart City Logistics
- Freight and Intelligent Transportation Systems (ITS)
- Network Design and Planning, Smart City Logistics



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- Artificial Intelligence-Evolution of Shipping
- Enhancement of Transportation Network Analysis Tools for Truck-related Planning and Operations
- Eco Driving Strategies and Optimization for more Sustainable Environment
- Intelligent Transportation Systems and Humanitarian Logistics
- Game Theory Applications for Freight Logistics