

City Logistics in the age of Sustainability and Sharing Economy

City logistics is one of the central key challenges in urban transport activities. It refers to all movements of individuals, goods, and services within a city district. Fostered by the E-commerce boom and the strong growth of local businesses, the movement of goods and services are poised for huge growth in urban areas making it very challenging to optimize the logistics and transportation activities while supporting mobility, liveability and sustainability in cities and large agglomerations.

To achieve the desired results, the objectives and scope of the new city logistics' solutions should extend beyond traditional practices (such as homedelivery) to leverage the use of emerging technologies/practices including sharing economy (on-demand access to products and services mediated by online platforms), Information and Communication Technologies (ICT), Intelligent Transport Systems (ITS), Internet of Things (IoT), big data, Artificial Intelligence (AI), autonomous vehicles, and robots as well as the public-private collaborations of stakeholders.

This session aims at exploring modern city Logistics concepts, ideas, and operational issues. It also attempts at collecting novel and innovative models and studies that support the use of emerging technologies and practices to solve 21st century city logistics challenges and dilemmas, as well as to identify interesting research avenues and challenges for the logistics and operations management community.

Topics may include (but are not limited to):

- Last/First Mile Delivery
- Urban Mobility
- Green Routing Problem
- Crowd Logistics, Crowdshipping/crowd Transportation
- Reverse Logistics
- Emergency Logistics
- Self-organizing logistics
- Operations Research in Metropolitan/City Logistics
- Impacts of Emerging Technology on City Logistics
- Internet of things and Artificial Intelligence in City Logistics
- Large-scale evolutionary optimization in logistics

Both quantitative and qualitative works are welcome.