


Special Issue “The Future of Smart Cities and Urban Logistic: An Application to Last-Mile Delivery”

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Logistics is a key activity in Smart Cities, supporting the economic growth and the vitality of urban areas. However, given the externalities (e.g., traffic and congestion, pollution, noise) affecting the quality of life of citizens, freight transportation and last-mile logistics have to be optimized to build a truly sustainable city that is also competitive at the international level.

Several new organizations and business models have recognized this challenge, leading researchers, practitioners and local administrations to propose initiatives that jointly optimize the economic, operative, social, and environmental goals of transportation and logistics, mitigating their externalities and inefficiencies.

In this direction, the integration of qualitative approaches (e.g., managerial tools) and quantitative techniques as simulation, optimization and stochastic models, becomes relevant to aid decision-makers in assessing and deploying policies for sustainable and profitable urban logistics, enhancing the adoption of DSS tools for the integration of emerging technologies in the last mile optimization process. Moreover, the adoption of new technologies in the urban delivery process will foster the creation of new collaborative business models and services.

This Special Issue aims to focus on the new business and operational models emerging in managing logistics in Smart Cities and to delineate a comprehensive concept of sustainability from economic, operational, environmental and social perspectives.

Topics include (but are not limited to) City Logistics applications, Smart City Logistics, Smart City, green logistics, new business models in urban logistics, synchromodal transportation, multimodal transportation, decision-making in last mile logistics, Logistics 4.0.

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website. Research articles, review articles as well as short communications are invited. For planned papers, a title and short abstract (about 100 words) can be sent to the Editorial Office for announcement on this website.

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Keywords

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Guest Editors

Prof. Dr. Guido Perboli, ICELab@Polito. Politecnico di Torino, Turin, Italy

Dr. Stefano Musso, Center for Automotive Research and Sustainable mobility Politecnico di Torino (CARS@Polito), Turin, Italy

Dr. Mariangela Rosano, ICELab@Polito. Politecnico di Torino, Turin, Italy

Info: guido.perboli@polito.it

Website:

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