

Special Issue

Urban Mobility and Transport Systems: Challenges and Innovations for Sustainable Cities

Message from the Guest Editors

To enhance understanding and provide actionable insights for urban planners and policymakers, this Special Issue invites contributions that explore ongoing challenges and innovative solutions aimed at fostering sustainable urban mobility. The scope of this issue includes, but is not limited to, the following topics: integrating transport planning with urban design and building typologies; the impact of emerging technologies, such as autonomous vehicles (AVs) and Mobility as a Service (MaaS), on infrastructure, land use, and building requirements; strategies for promoting active travel (walking and cycling) through infrastructure design that connects people with various points of interest, including health facilities, schools, green spaces, and retail; advancements in public transport systems and their integration with urban form; and the role of policy, governance, and smart city solutions in shaping sustainable transport futures within the urban fabric. This Special Issue welcomes both qualitative and quantitative studies, as well as empirical and theoretical contributions.

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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