

Special Issue

Traffic Safety and Sustainable Crowd Management

Message from the Guest Editors

With the continuous expansion of the urban population and improved traffic conditions, the frequency and duration of pedestrian travel have increased significantly. Statistical results have shown that traffic accidents involving pedestrians have become a major traffic safety concern. To reduce pedestrian casualties and ensure their safety, efforts to understand pedestrian and driver behaviors are needed. In addition, the frequency of large-scale crowds has resulted in serious challenges in maintaining the sustainable development and safety of our cities. Pedestrian dynamics involve complex transport characteristics and interesting collective phenomena, an understanding of which is highly relevant for a wide range of civil engineering applications for crowd management and pedestrian facilities' optimization for urban development. This Special Issue will present state-of-the-art research on traffic safety, traffic flow, pedestrian dynamics and sustainable management. We look forward to receiving your contributions.

Guest Editors

Dr. Shuchao Cao
Dr. Xiaomeng Shi
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Deadline for manuscript submissions

closed (30 October 2023)



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Editor-in-Chief

Prof. Dr. Steve W. Lyon

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