

Special Issue

Recent Progress in Transportation Infrastructures

Message from the Guest Editors

Transportation infrastructures (highways, railways, ports, and airports) include physical elements (e.g. geometric, pavement, and sensors) and soft elements (e.g. algorithms and intelligent systems). In this regard, the design, optimization, management, and maintenance of transportation infrastructures are becoming more challenging in the forthcoming digital and intelligent transportation era. In the meantime, emerging technologies may provide more opportunities for enhancing different aspects of transportation infrastructures. The new sensing technologies (e.g., LiDAR) and computer vision algorithms can help automate the process of road asset inventory and infrastructure digitalization, reducing both time and costs for infrastructure administrators. In addition, the boom in artificial intelligence is reshaping the ways of infrastructure risk monitoring and enhancing transportation infrastructure safety. We welcome papers covering new research related to all transportation modes: highways, railways, ports, and airports. Researchers from academia and industry are invited to submit articles on any topic related to the theme of the special issue.

Guest Editors

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Deadline for manuscript submissions

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