Information System and Smart City

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Intelligent Transportation Systems

① Deadline: 31 January 2024

Dear colleagues,

The rapid increase in population and the expansion of cities led to a significant reliance on various means of transportation, especially motorized ones. This increase in transportation and its diversity and overlap has enormously complicated mobility in modern metropolitan cities. Therefore, there was a need to find a current transportation system capable of reducing crowding and enhancing safety by finding creative ways to manage this overlap in daily transportation operations. Communication, computing technologies, advanced sensors, big data, the Internet of Things, and more have contributed to improving the use of existing transportation infrastructure, ensuring safety, and coordinating different means of transportation through what is known as the intelligent transportation systems ITS.

These systems aim to improve transportation efficiency, safety, and sustainability through intelligent traffic management, electronic toll collection, real-time passenger information, automated vehicles, and many other techniques and policies.

Many cities worldwide have applied different methods related to intelligent transportation systems, and many success stories have been remarked in this field. Therefore, this issue on Intelligent Transportation Systems looks forward to gathering various opinions and experiences from around the world in this discipline, the most significant achievements, applications, challenges, and the impacts of implementing innovative transportation policies. Research articles and reviews in this field of study are welcome.

Looking forward to receiving your contributions.