



Big Data Analytics in Sustainable Transport Planning and Management

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Message from the Guest Editors

The issue of sustainable development in transportation has been a major concern in the past decades. The recent advancement of technology and telecommunication widens the potential data pool on travelers' behavior and traffic characteristics, resulting in a new way to analyze the root cause of transportation problems. This will eventually lead to a better strategy development for sustainable transport planning and management.

This SI aims to collect recent advanced research on the approach to analyze the potential big data available in the transport sector for sustainable transport planning and management. The topics could include: travel behavior analysis based on big data or social network data; traffic condition and management strategy development from big data or IOT data; intelligent transportation system development using big data or IOT data; traffic safety analysis using big data; transport and land use policy analysis based on large scale GIS data and citizens' data; analysis of cellular phone network or other probe data for sustainable urban and transport planning; agent based simulation model using big data sources...

We look forward to your contributions.





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