



Application of Big Data in Sustainable Transportation

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Message from the Guest Editors

With the rapid development of big data, the perception, prediction, and decision making of passenger and freight traffic flow through big data technology have been studied a lot. However, new thought and explorations are still needed in terms of attaining sustainable transportation. Big data technology can peek into the hidden knowledge in a large amount of data through the analysis of full samples to achieve scientific analysis, prediction, and decision making. For sustainable transportation at the micro level, intelligent perception, prediction, decision-making technology of traffic lights, parking lot information, traffic flow control, and vehicle–road coordination, automatic control, automatic driving, as well as regional development planning, transportation management, transportation planning, transportation safety, traffic emissions, and double carbon at the macro level all have important value and significance.





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