

Special Issue

Sustainable Transportation Infrastructure Management

Message from the Guest Editor

Because of material aging, frequent use, environmental change, and mismanagement, many existing transportation infrastructure facilities are deteriorating and becoming more vulnerable to catastrophic failure, particularly in extreme events. On the other hand, the renewal and expansion of infrastructure continue to consume ever-dwindling natural resources and release emissions that deteriorate the environment. There are growing awareness and demand for a sustainable transportation infrastructure system in the sense that it not only provides the desired service to the public in a cost-effective way, but also relies less on nonrenewable resources and imposes less negative environmental impact. To achieve such a goal, the transportation infrastructure must be managed in an intelligent manner. In recent years, there have been active research and practice efforts towards sustainable transportation infrastructure management. Stakeholders in the transportation community are also supportive of sustainable management technologies, practices, and policies. The latest technical information in this aspect, therefore, has great value to both researchers and practitioners.

Guest Editor

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