



Advance in Urban Rail Transportation Systems

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Message from the Guest Editor

Urban railway transportation systems play a crucial role in urban mobility and the social and economic issues of urban contexts. At present, a renaissance of urban rail transit is underway in several cities. Around the world, remarkable advances have been made in urban railway transportation systems and related policies, guidelines, and technical regulations.

This Special Issue aims to present a collection of original research articles and review papers on urban railway transportation systems. Topics of interest include, but are not limited to:

- urban rail transit planning, control, and management;
- modern tramway systems;
- light rails;
- fully automated metros;
- intelligent and automated transport system technology;
- traffic flow theory and simulation;
- user safety;
- vehicle–track system dynamics;
- maintenance of railway tracks;
- electrification;
- vehicle engineering;
- environmental impacts (vibration, noise, pollution, etc.);
- structural monitoring; and
- cost-benefit analysis (CBA) of urban railway





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Message from the Editor-in-Chief

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