Special Issue

Nonlinear Systems and Models of Traffic Flow for Intelligent Transportation and Communication

Message from the Guest Editor

The recent developments in science and technology call for advanced instruments for a robust systems engineering and/or analysis, especially regarding modeling, simulation, control/optimization, forecasting and communication under particularly hard system-theoretical challenges as well as hard practical constraints and requirements. This complexity inherently manifests itself through traffic scenarios and phenomena described by traffic flow data, traffic flow models. In this Special Issue, we invite submissions exploring the development of methods, conceps and algorithms for analysing traffic flow in transportation and communication engineering. The main focus is on Modeling, simulation, Control/optimization, forecasting and communication. Contributions can focus on Mathematical methods, Numerical simulations, Analog computing, MOSFETs technology, Oscillatory theory, Synchronization and Self-organization, Stability and Bifurcation analysis. Guest editor

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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