

Special Issue

Advanced Methods in Intelligent Transportation Systems

Message from the Guest Editor

For many years, transportation systems have been in a continuous state of mutation thanks to the rapid development of information and communication technologies, sensors, digitization, data analysis approaches and tools, data-driven models, and also to the growth of vehicle automation with the newly arrival of automated and autonomous vehicles. This new context requires an update of the existing mathematical models for Intelligent Transportation Systems (ITSs), and the development of new ones, integrating all the new features of the context, as well as the main perspectives for the future. We are interested in this Special Issue in advanced mathematical methods invoking mathematical models (traffic models, dynamic models for vehicles and passengers, traffic assignment models, etc.), as well as optimization approaches (optimal control, discrete optimization, reinforcement learning, data-driven optimization, etc.) for ITS. One of the main objectives of the development of ITS is to go towards an intelligent and sustainable mobility.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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