

Special Issue

Advanced Methods in Intelligent Transportation Systems, 2nd Edition

Message from the Guest Editor

For many years, the development of information and communication technologies, sensors, digitization, data analysis approaches and tools, and data-driven models, as well as to the growth of vehicle automation with the new arrival of automated and autonomous vehicles. This new context requires updating the existing mathematical models for intelligent transportation systems (ITSs) and developing new ones, integrating all of 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...) for ITSs. One of the main objectives of the development of ITSs is to progress towards intelligent and sustainable mobility. We aim to collate original and high-quality papers dealing with mathematics and summarizing the main directions in advanced mathematical methods for ITSs.

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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