

## Special Issue

# Advances in Vehicle Technology and Intelligent Transport Systems

### Message from the Guest Editor

There has been an increasing level of demand for faster, safer, and greener transportation systems with higher levels of capacity and convenience, in the face of a new era of intelligent transportation systems (ITS) empowered by artificial intelligence (AI) technologies. ITS include telematics and all types of communications in vehicles, between vehicles (e.g., V2V), and between vehicles and infrastructure (e.g., V2I). Therefore, the purpose of this Special Issue is to publish high-quality research which will serve as an outlet for disseminating innovative solutions towards meeting the expectation of ITS. Subjects of interest include, but are not limited to, the following topics:

- Artificial and computational intelligence;
- Autonomous driving and autonomous vehicles;
- Traffic and flow optimization techniques;
- Real-time and dynamic prediction of traffic flows;
- Advanced driver assistance systems;
- Novel architectures for ITS.

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### Guest Editor

Dr. Zdenek Hanzalek

Czech Institute of Informatics, Robotics and Cybernetics, Czech Technical University in Prague, 160 00 Prague, Czech Republic

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### Deadline for manuscript submissions

closed (30 June 2022)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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