IoT Sensing Systems for Traffic Monitoring and for Automated and Connected Vehicles

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Message from the Guest Editors

The particular topics of interest for this Special Issue include but are not limited to the following:

- New technologies for sensors and for networking transceivers (RF, photonics, and MEMS/MOEMS);
- V2X and 5G networking technologies;
- Advances in social sensors;
- Advances in physical sensors (lidar, radar, videocameras, ultrasonics);
- New applications and services for mobility of people and goods and for smart cities infrastructure;
- Edge and cloud paradigms for sensing systems, localization/navigation, and vehicular networks;
- Enabling technologies for traffic monitoring and fleet management;
- Cybersecurity/trust/privacy in IoT sensing systems and vehicular networks;
- Functional safety and standardization;
- Data analytics and machine learning for sensors fusion and vehicular networks;
- Embedded systems and HPC architectures for sensing and vehicular networks;
- Modeling, optimization, and performance evaluation of vehicular networks;
- Simulation of autonomous connected vehicles and mobility traffic;
- Results from experimental systems and prototypes in industry and academia.

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