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## Sensing and Managing Traffic Flow

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Deadline for manuscript  
submissions:

**closed (25 July 2023)**

### Message from the Guest Editors

Traditional traffic flow of human-driven vehicles (HVs) exhibits fascinating phenomena such as traffic breakdown and traffic instability. With the development of automated vehicle (AV) technologies, traditional traffic flow would transit into the mixed traffic flow consisting of HVs and AVs, and finally into the traffic flow of full AVs. To understand and manage all kinds of traffic flow, whether traditional traffic flow, mixed traffic flow, or full AV traffic flow, sensors are indispensable, which range from loop detectors and cameras to GPS, Lidar, V2V and V2I communication devices. Based on the sensor data, it is a challenge task for the traffic community to develop effective operational and control strategies (e.g., ramp metering, signal optimization, trajectory planning, cooperative driving, route guiding) to improve safety, efficiency and driving comfort in the traffic flow.

The scope of this Special Issue is to collect state-of-the-art research papers related to sensor technologies applied in traffic flow management.



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# Special Issue



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## Message from the Editor-in-Chief

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