



## Special Session on IoT for Road Safety: Innovations, Challenges, and Future Directions

### Organizing and Program Chairs:

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### Scope:

The advancement of the Internet of Things (IoT) technology has opened up new possibilities for improving road safety. By connecting vehicles, infrastructure, and various sensors, IoT enables real-time data collection, analysis, and communication to enhance road safety measures. This special session aims to explore the innovative applications, challenges, and potential of IoT in ensuring safer roads and reducing accidents.

### Topics of Interest:

We invite researchers, practitioners, and experts to share their knowledge, experiences, and insights related to IoT applications in road safety. Potential topics of interest include, but are not limited to:

- Intelligent transportation systems for road safety using IoT
- IoT-enabled vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communication
- Real-time monitoring and analysis of road conditions and traffic flow
- IoT-based driver assistance systems and collision avoidance technologies
- Smart infrastructure for road safety, including smart traffic lights and signage
- Data analytics and machine learning for predictive maintenance and accident prevention
- Cybersecurity and privacy considerations in IoT-enabled road safety systems
- Integration of IoT with emerging technologies like AI, blockchain, and edge computing for road safety
- Case studies and success stories of IoT implementations in road safety
- Ethical and societal implications of IoT-enabled road safety solutions

Please note that submissions are not limited to the listed topics, and we encourage innovative contributions that push the boundaries of IoT in road safety.

### Paper Submission and Deadline:

#### Important Dates:

- Deadline for Paper Submissions: July 30, 2023
- Acceptance Notification: August 21, 2023
- Deadline for Camera-Ready Paper Submissions: September 29, 2023
- Deadline for Presentation Submissions: October 2, 2023

Papers should be six (6) pages in length and follow the instruction provided for the main Conference. The conference allows up to two additional pages for a maximum length of eight (8) pages with payment of extra page charges once the paper has been accepted.

Please submit your paper for the Special Session using the link to [eWorks](https://wfiot2023.iot.ieee.org/iot-road-safety-innovations-challenges-and-future-directions) on the workshop page:

<https://wfiot2023.iot.ieee.org/iot-road-safety-innovations-challenges-and-future-directions>