

Tentative Outline

Special Thematic Issue for The Open Transportation Journal

Intersection Safety and Operation

Guest Editors: AmirArsalan M. Molan

Aims & Scope:

Intersection and interchanges include a big portion of crashes all around the world. For instance, annually, over two million crashes occur in intersections in the U.S. This thematic issue seeks to provide a collection of the most recent results and experiences regarding the safety and operation of intersections and interchanges for all users (drivers, bicyclists, pedestrians, and others). Selected topics within the scope of the thematic issue may include studies on Safety, Geometric Design, Traffic Signal Operation, Adaptive Traffic Signals, Intelligent Transport Systems (ITS), Crash Analysis, Connected and Automated Vehicles (CAV), Red Light Runners, Human Factors, Traffic Operation Analysis, Pedestrians and Bicyclists, Alternative Intersections, and Multi-Modal Transportation.

- **Keywords:** Intersections, Interchanges, Traffic Safety, Traffic Operation, Pedestrians and bicycles, Traffic Signal Optimization, Red Light Runners, Alternative Design.

Subtopics:

The subtopics to be covered within this issue are listed below:

- Conducting Innovative Methods of Crash Data Analysis at Intersections
- New Experiences in Improving Bicycle and Pedestrian Safety
- Cost-effective Safety Countermeasures in Intersections and Interchanges
- Usage of Simulation Tools in Safety and Operation Studies of Intersections
- Preparation of a Suitable Condition for Connected and Automated Vehicles (CAVs)
- Usage of New Technology and Intelligent Transportation Systems (ITS) in Intersection Studies
- Alternative Design for Intersections and Interchanges
- Possible Solutions for Reducing the Risk of Red Light Runners

Schedule:

- ✧ Manuscript submission deadline: December 31st, 2020
- ✧ Peer Review Due: 3 weeks after submission date
- ✧ Revision Due: 4 weeks after receiving reviewers' comments
- ✧ Announcement of acceptance by the Guest Editors: 1 week after submitting the revised paper
- ✧ Final manuscripts due: Nov, 2021

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