



### Road Safety under the Environment of Intelligent Connected Vehicles

#### Introduction

The emergence of Intelligent Connected Vehicles (ICVs), also known as connected and autonomous vehicles, is expected to drastically change various fields in the transportation system. The special issue aims at providing a forum for transportation researchers to foster an exchange of research ideas and experience in traffic safety, especially in the emerging topics of the ICV. One author of each accepted paper will be invited to the 2nd International Symposium on Accident Analysis and Prevention (ISAAP2020) that will be held in Changsha, China, on October 23-25, 2020. The invited authors will be sponsored to present their papers at the ISAAP2020.

#### Scope of the Special Issue:

To address these challenges, this special issue is interested in the following topics (but not limited to):

- Improving traffic safety with ICV applications;
- Development of scenarios, methodologies, and standards for testing ICV;
- In-depth crash investigation and crash reconstruction;
- Identification of pre-crash and high crash-risk scenarios in real-time conditions;
- Effects of the emerging technologies of ICV on traffic safety based on simulation;
- Emerging safety technologies for vehicular designs of ICV;
- Safety information services for intelligent connected transportation systems;
- Potential safety issues of the mixed traffic flow consisting of ICVs and manually driven vehicles;
- Applications of Big Data and deep learning methods for ICV safety analysis;
- Public acceptance analysis of ICV applications related to safety and;
- Other emerging technologies in safety planning, design, education, and enforcement. Emerging technologies include vehicle detection, data collection and processing, AI applications, vehicle communication, etc.

#### Submission Method:

Guidelines for manuscript submission can be referred to

<https://www.evise.com/evise/jrnl/AAP>

When submitting your manuscript, please choose “SI: Road safety under the ICV” for “Article Type”. This is to ensure that your submission will be considered for this Special Issue instead of being handled as a regular paper.

## Important Dates:

Papers will be reviewed upon receiving in the open window (November 15th, 2019 - February 15th, 2020), and a decision for each paper will be made as soon as the review process is complete. Therefore, early submission is encouraged for an early decision. Below are the deadlines for paper submission and reviews.

Special issue article type becomes available in EVISE	November 15, 2019
Submission deadline	March 15, 2020
Final acceptance notification to authors	July 15, 2020
Symposium (ISAAP2020)	October 23-25, 2020


## Should you have any question, please do not hesitate to contact the Guest Editors of the Special Issue:

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 <p>Volume 133, December 2019 ISSN 0001-4575</p> <p><b>ACCIDENT ANALYSIS &amp; PREVENTION</b></p> <p>Editor-in-Chief: Mohamed Abdel-Aty</p> <ul style="list-style-type: none"><li>▶ EPIDEMIOLOGY OF TRAUMA</li><li>▶ HUMAN FACTORS</li><li>▶ SAFETY MANAGEMENT &amp; POLICY</li><li>▶ OCCUPATIONAL SAFETY</li><li>▶ RISK ANALYSIS</li><li>▶ TRAFFIC ACCIDENT STUDIES</li><li>▶ EVALUATION OF COUNTERMEASURES</li><li>▶ SAFETY ENGINEERING</li><li>▶ INJURY REDUCTION RESEARCH</li><li>▶ APPLIED BIOMECHANICS</li></ul> <p>Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> ScienceDirect</p>	<h3>Accident Analysis &amp; Prevention (Elsevier)</h3> <p>Editor-in-Chief: Mohamed Abdel-Aty</p> <p>Accident Analysis &amp; Prevention provides wide coverage of the general areas relating to <b>accidental injury</b> and damage, including the pre-injury and immediate post-injury phases. Published papers deal with medical, legal, economic, educational, behavioral, theoretical or empirical aspects of transportation accidents, as well as with <b>accidents</b> at other sites. Selected topics within the scope of the Journal may include: studies of human, environmental and vehicular factors influencing the occurrence, type and severity of accidents and injury; the design, implementation and evaluation of countermeasures; biomechanics of impact and human tolerance limits to injury; modelling and statistical analysis of accident data; policy, planning and decision-making in safety.</p>
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