

Special Issue on  
**Traffic Safety Studies on New Road Safety Challenges**

# CALL FOR PAPERS

Traffic crashes lead to huge numbers of casualties and economic losses in the world every year. Making the road safer is always the top priority of many agencies. In the past few decades, numerous studies have been conducted to try to improve various aspects of road safety. While many traditional safety issues have been resolved, there are emerging challenges. On one hand, high-speed technology and social developments result in many new traffic safety issues. For example, with the skyrocketing sales of electric vehicles (EVs), the issue of EV safety is attracting more attention; with an aging population, elderly driver safety is also increasingly prominent; and the rise of future autonomous vehicles also brings with it more new safety concerns. These new issues are beyond the scope of traditional traffic safety research and need to be examined to help relevant agencies formulate appropriate regulations and policies. On the other hand, traditional crash analysis-dominated studies have also reached a plateau, as road safety is a complex process involving many factors, rather than just crashes. To further improve traffic safety, researchers must expand their focus from crash-centered analysis to the wider context, including pre-crash driver behavior, post-crash emergency response, and traffic legislation.

This Special Issue aims to bring together research on aspects of existing and emerging issues in traffic safety, including electric vehicle safety, autonomous vehicle research, behavior analysis and legislation studies. We welcome both original research and review articles.

Potential topics include but are not limited to:

Potential topics include but are not limited to the following:

- ▶ Electric vehicle traffic safety
- ▶ Electric bicycle/tricycle/motorcycle traffic safety
- ▶ Public transit (metro, light rail, etc.) traffic safety
- ▶ Traffic safety of new occupations (food delivery, express delivery, ride hailing, etc.)
- ▶ Senior driver traffic safety (elderly novice driver, older elderly driver, etc.)
- ▶ Naturalistic driver behavior analysis
- ▶ Post-crash emergency response (police, EMS, firefighters, etc.)
- ▶ High-resolution trajectory-based traffic safety analysis
- ▶ Traffic safety in extreme weather (typhoon, rainstorm, snowstorm, etc.)
- ▶ Applications of new methodologies (digital twin, virtual simulation, etc.) in traffic safety research
- ▶ Traffic law enforcement

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.wiley.com/submit?specialIssue=582510>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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