

International invitation for articles for a special edition journal:
Vision Zero: The safe system approach and traffic safety culture

Nicholas Ward (Montana State University), Wes Kumfer (University of North Carolina),
and Shelly Baldwin (Washing Traffic Safety Commission).

Synopsis

Deaths and injuries on the world's roads are now a major health concern. Road crashes now cause around 1.3 million deaths and injure or disable as many as 50 million persons globally each year.¹

We are planning a collection of journal papers for a special edition on “Vision Zero” in traffic safety. Different approaches to Vision Zero have taken place across many countries. In the USA, the national [Road to Zero coalition](#) identifies three “pillars” to reach zero traffic fatalities (and serious injuries) by 2050: (1) double down on what works through proven, evidence-based strategies; (2) advance life-saving technology in vehicles and infrastructure; and (3) prioritize safety by adopting a Safe Systems approach and creating a positive safety culture.

This special edition would focus on the Safe System approach and creating a positive safety culture to achieve Vision Zero. While a focus would be on the emergence of a Vision Zero approach within the USA, this edition will also explore insights from other countries and cities (e.g., Sweden, Netherlands, Australia, Bogota, Addis Ababa) that have adopted forms of Vision Zero. To broaden our thinking, we hope to have contributors from different countries, disciplines, and safety-related domains.

Examples of possible topics include (we are also open to other relevant ideas):

1. Definition, history, and forms of “Vision Zero” and “Safe Systems” across countries (and industries).
2. Processes for adopting and implementing the “Safe System” approach.
3. Processes for adopting, implementing, and growing a positive “traffic safety culture.”
4. Relationship between the “Safe System” approach and “traffic safety culture.”
5. Moral and ethical basis of Vision Zero.
6. Definition and role of “equity” in Vision Zero.
7. Definition and role of culture in support of paradigm shifts and change management.
8. Role of kinetic energy in Vision Zero.
9. Changing role of enforcement.
10. How to create effective stakeholder consortia to support the Safe System approach.
11. Metrics to measure success with the Safe System approach and growing a positive traffic safety culture.

¹ <https://www.worldhighways.com/wh12/feature/addressing-road-safety-issues-worldwide>

12. Modal affordance and mechanisms for achieving a “Safe System” beyond a dominant automobility.
13. ... (other ideas)

We will be creating a schedule to publish this special edition by summer 2022.

Journal

We are planning the special edition in the journal [Frontiers in Future Transportation](#):

Transport systems have been vital life needs for the individuals and societies, particularly in modern Today's transport systems are complex, interconnected and multi-modal, therefore, inherently susceptible to the unpredictable disruption that can propagate through our economies and lives. Frontiers in Future Transportation focuses on providing a state-of-the-art open access platform to maximize the impacts of the cutting-edge scientific and technological innovations that will transform the future of transport and mobility systems. Our ambition is to facilitate a timely, constructively selective and high-caliber peer-review process through our distinguished multi-disciplinary and international editorial board to ensure high-quality publications with a wide reach and impact.

This journal allows [several types](#) of journal articles:

- **Original Research** articles report on primary and unpublished studies.
- **Methods** articles present either a new or established method, protocol, or technique that is of significant interest in the field.
- **Review** articles cover topics that have seen significant development or progress in recent years, with comprehensive depth and a balanced perspective.
- **Mini Review** articles cover focused aspects of a current area of investigation and its recent developments.
- **Hypothesis and Theory** articles present a novel argument, interpretation, or model intended to introduce a new hypothesis or theory.
- **Perspective** articles present a viewpoint on a specific area of investigation.

Based on the topics listed above, we envision that the majority of submissions will entail Methods, Review Articles, and Perspective papers, although we welcome articles of all types, especially theories and original research.

We look forward to hearing from you. Please contact one of the editors if you are interested in contributing an article to this special edition.

Special Edition Co-Editor

Professor Nicholas J. Ward
Director, Center for Health
and Safety Culture
Montana State University
nward@montana.edu

Special Edition Co-Editor

Dr. Wes Kumfer
Engineering Research Associate
University of North Carolina
Highway Safety Research Center
kumfer@hsrc.unc.edu

Special Edition Co-Editor

Shelly Baldwin
Director
Washington Traffic
Safety Commission
sbaldwin@wtsc.wa.gov