

# Special Issue

## Road Vehicle Safety: Design and Assessment

### Message from the Guest Editor

Most road vehicles will travel in an automated way, which foresees a huge improvement in road safety. In the roadmap to fully-automated vehicles, a long period with old and new vehicles, in "mixed" traffic, is expected, with only intermediate levels of assistance through the implementation of Advanced Driver Assistance Systems (ADAS). To be safer, new generations of road vehicles will need to incorporate different technologies, combining crash avoidance and crashworthiness. This can be achieved by changing the way we design and assess structures and advanced systems and equipment, including advance driving assistance systems, vehicle-to-vehicle, or road-to-vehicle communication technologies. Special attention should be given to the assessment of safety vehicle performance as a whole, and to the individual safety systems implemented. This Special Issue would be having a good summary of the field of vehicle crashworthiness and crash avoidance, taking in to account both the design and assessment phases. We invite papers addressing these problems, in both fundamental and applied research, as important contributions to the state-of-the-art.

---

### Guest Editor

Prof. Dr. Dario Vangi

Department of Industrial Engineering of Florence, Università degli Studi di Firenze, 50139 Florence, Italy

---

### Deadline for manuscript submissions

closed (15 January 2018)



## Designs

---

an Open Access Journal  
by MDPI

---

CiteScore 4.8



[mdpi.com/si/8886](https://mdpi.com/si/8886)

*Designs*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[designs@mdpi.com](mailto:designs@mdpi.com)

[mdpi.com/journal/  
designs](https://mdpi.com/journal/designs)





# Designs

---

an Open Access Journal  
by MDPI

---

CiteScore 4.8



[mdpi.com/journal/  
designs](https://mdpi.com/journal/designs)



## About the Journal

### Message from the Editor-in-Chief

*Designs* (ISSN 2411-9660) is a peer-reviewed and open access journal which provides a unifying research framework for a wide range of engineering designs of disciplines and industrial applications, including mechanical engineering, electrical engineering, civil engineering, mechatronics, aerospace engineering, bioengineering, energy engineering, industrial engineering and manufacturing systems are of interest. We would like to invite you to contribute to the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Joshua M. Pearce

Department of Electrical & Computer Engineering, Western University,  
London, ON N6A 3K7, Canada

---

### Author Benefits

#### High visibility

: indexed within Scopus, Inspec, Ei Compendex and other databases.

#### Journal Rank:

CiteScore - Q2 (Engineering (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).