

Special Issue

Reliability Analysis and Evaluation of Automotive Systems, 2nd Edition

Message from the Guest Editors

The automotive industry is rapidly evolving with the integration of advanced technologies, such as autonomous driving, electric propulsion, and connected vehicles. With these advancements, the reliability of automotive systems becomes crucial for ensuring safety, performance, and customer satisfaction. This Special Issue aims to explore the latest research and advancements in the reliability analysis and evaluation of automotive systems. The objective of this Special Issue is to connect researchers, engineers, and practitioners from academia and industry to share their knowledge, experiences, and innovative approaches in the field of automotive system reliability. We invite original research articles, review papers, and case studies that address various aspects of reliability analysis, evaluation, and improvement in automotive systems. We encourage researchers and experts in the field to contribute their valuable insights and findings to this Special Issue. By gathering and disseminating the latest research, this Special Issue will contribute to the advancement of reliability analysis and evaluation in automotive systems, ultimately enhancing the safety and performance of

Guest Editors

Dr. Lihui Zhao

School of Mechanical Engineering, University of Shanghai for Science and Technology, Shanghai 200093, China

Dr. Christoph Bleicher

Department of Materials and Components, Fraunhofer Institute for Structural Durability and System Reliability LBF, 64289 Darmstadt, Germany

Deadline for manuscript submissions

31 December 2026



Vehicles

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CiteScore 5.3



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vehicles@mdpi.com

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About the Journal

Message from the Editor-in-Chief

In response to economic, political, and environmental pressures, the automotive vehicle community is expanding its research, development, and production of more energysaving, environmentally friendly, and safer ground vehicles through vehicle electrification, powertrain hybridization, high-efficiency drivetrain, autonomous or automated driving, vehicle connectivity, and infrastructure.

Vehicles is a new open access and peer-reviewed international journal that will facilitate rapid publication of scholarly articles on studies related to ground vehicles. Its mission is to publish cutting edge articles, conference proceedings, and to organize Special Issues which highlight outstanding research on specific topics regarding all landbased vehicles with regards to the design, modeling and simulation, manufacture, testing, and operation and modification of those vehicles and their engineering systems.

Editor-in-Chief

Prof. Dr. Mohammed Chadli

Department UFR Sciences and Technologies, Université Evry Paris-Saclay, 91020 Evry, France

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.4 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the second half of 2025).