Special Issue

Future of Road Vehicle Aerodynamics

Message from the Guest Editor

Currently, car powertrains are undergoing significant changes. The amount of heat generated as well as the dynamics and nature of heat sources in cars are different from previously. Cars must be cooled in a different way. Vehicle weight remains the same or is slightly higher. Weight distribution in a vehicle is different. Automation and electronic linking of vehicles leads to the formation of clusters consisting of several cars. Car aerodynamics is currently focused mainly on lowering the aerodynamic drag of cars with large dimensions and often bizarre but fashionable shapes. However, new aspects of vehicle motion are emerging. It has been noticed that the aerodynamics of cars change when cornering.Techniques to simulate the dynamics of vehicles with variable geometry and variable aerodynamic properties as well as techniques for coupling information obtained from sensors placed on cars with the operation of movable elements are the basic subjects of papers to be submitted.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/66390

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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