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Advances in Automated Driving Systems

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Deadline for manuscript
submissions:

closed (1 December 2021)

Message from the Guest Editors

Dear Colleagues,

Electrification, vehicle automation, digitalization, and new mobility are the current major trends in automotive engineering. However several challenges hinder a wide-spread market introduction of automated vehicles, among those are: Reliable machine perception; accepted standards for vehicle type approval; human-machine interaction; functional safety; legal and ethical implications; interaction between automated and human-controlled vehicles; manipulation, misuse, and cybersecurity; and system costs for hard- and software.

This Special Issue deals with recent advances related to those challenges; papers are welcomed which address:

- Machine perception for SAE L3+ systems;
- Trajectory planning and decision-making;
- X-by-Wire systems;
- V&V of SAE L3+ systems;
- Misuse, manipulation, and cybersecurity;
- Human-machine interaction and driver monitoring;
- Road infrastructure measures;
- Solutions for interactions of human- and machine-controlled vehicles in mixed traffic.



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Special Issue



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Message from the Editor-in-Chief

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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