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# Vehicles

A semi-transparent orange overlay of a car's suspension system, showing a coil spring, shock absorber, and control arms.

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# 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.

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## **Editor-in-Chief**

Prof. Dr. Mohammed Chadli

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## **Aims**

*Vehicles* is an international, peer-review, and open access journal of automotive engineering and technology. It provides an advanced forum for theoretical, computational and experimental research on motorcycles, cars, buses, trucks and all land-based vehicles with regards to the design, modeling and simulation, manufacture, testing, operation and modification of those vehicles and their engineering systems. Papers dealing with the vehicleenvironment and infrastructure relationship are also welcomed.

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## Scope

The main topics of the journal include but not limited to:

- Vehicle components and subsystems;
- Vehicle and driveline dynamics;
- Vehicle electrical systems;
- Internal combustion engines;
- Fuel and energy system;
- Simulation and modelling;
- Vehicle safety (automotive safety);
- Terra mechanics including the study of tyre and road;
- Vehicle materials;
- Intelligent and autonomous driving/control;
- Vehicle fault diagnostics/diagnosis;
- Transport electrification;
- Intelligent transportation systems;
- V2X communication;
- Interaction between vehicles and the environment;
- Driver assistance.

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### Rapid Publication

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