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## Editor-in-Chief







Dr. Y. Gene Liao

## 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 energy-saving, 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 land-based 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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## Aims and Scope

*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 vehicle-environment and infrastructure relationship are also welcomed.

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
- Terra mechanics including the study of tyre and road
- Smart materials for vehicles
- Lightweight materials for vehicle applications
- Vehicle manufacturing
- Interaction between vehicles and the environment
- Intelligent and autonomous driving/control
- Computation and modelling
- Testing

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