Special Issue

Automobile Energy Harvesting Technologies

Message from the Guest Editor

The number of electric vehicles (EVs) is significantly increasing today, and at this rate, it is expected that the number of electric cars on the road could be as high as 200 million in 2030. However, the major challenge is cost due to expensive but low specific energy battery. In addition to developing cutting-edge battery technology, self-powered vehicle or automobile energy harvesting has also gained tremendous attention for the past two decades. Harvestable energy is stored in batteries for use when needed, hence extending the driving hour of EVs. The Special Issue will collect papers from authors with professional experience in “Automobile Energy Harvesting Technologies”. Submissions to the Special Issue may address the following, or related, topics:

- Regenerative braking technology;
- Vehicle thermal energy harvesting;
- Vibrational energy harvesting (from suspension systems or road);
- Piezoelectric energy harvesting.

All submissions will undergo the regular peer review and editorial procedures followed by the journal. We look forward to your contributions and remain open to any questions you may have.

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2021)

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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