

## Special Issue

# PHEVs: Latest Advances and Prospects

### Message from the Guest Editor

Plug-In Hybrid Electric Vehicles (PHEVs) can use both electric energy and liquid fuel energy. There are many advantages to such a vehicle but their usefulness is dependent on component sizing and system design, which vary among current models. Data on customer use have been collected by the USDOE Idaho National Labs and vehicle manufacturers but have not been disseminated in an understandable fashion. In addition, there is a lot of misunderstanding surrounding the usefulness of the PHEV concept because of biases towards pure EVs being the final solution towards achieving Zero CO<sub>2</sub>. The focus of this Special Issue is on (but is not limited to):

- PowerTrain simplification in PHEVs
- low-cost charging infrastructure for PHEVs
- low-cost PHEV system vs. other concepts
- Zero CO<sub>2</sub> PHEVs
- direct solar and wind charging
- energy collection and management
- energy reliability and durability
- separation of energy and power in vehicle design
- energy storage for reliable solar and wind systems by managed PHEVs

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### Guest Editor

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### Deadline for manuscript submissions

closed (29 February 2020)



## Energies

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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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### Editor-in-Chief

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