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Advances in Powertrain Design for Greener and Sustainable Non-road Mobile Machineries

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Message from the Guest Editors

Dear Colleagues,

Environmental sustainability should become the driving factor for innovative design of new powertrains, with a wider look at all the different phases of the product life cycle. This Special Issue aims to gather contributions from experts in the field of NRMM devoted to the pursuit of efficiency improvements at powertrain or system level. Topics of interest for publication include, but are not limited to:

- Design, modelling, control and optimization of Hybrid, Electric and Fuel Cell powertrain systems;
- Energy management strategies for Hybrid, Electric and Fuel Cell powertrain systems;
- Hardware In the Loop testing for Hybrid, Electric and Fuel Cell powertrain systems;
- Alternative fuels for internal combustion engines;
- Design, modelling, control and optimization of power-split and CVT powertrain systems;
- Design, modelling, control and optimization of hydrostatic, hydraulic and electro-hydraulic powertrain systems;
- Circular design and environmental impact of innovative vehicle and powertrain components;
- Diagnostic and predictive maintenance for powertrain efficiency optimization during vehicle service life.

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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