Special Issue

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

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Aurelio Somà

Department of Mechanical and Aerospace Engineering, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Turin, Italy

Dr. Francesco Mocera

Department of Mechanical and Aerospace Engineering, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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