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Achieve a Low Carbon Powertrain System: Future Design and Sustainability

Guest Editors:

Dr. Xiang Li
School of Mechanical Engineering, Nantong University, Nantong 226019, China

Dr. Rohitha Weerasinghe
Faculty of Creative Arts, Technologies & Science, University of Bedfordshire, University Square, Luton LU1 3JU, UK

Dr. Raouf Mobasheri
Associate Professor, Mechanical Engineering, Department of Smart Systems and Energies, JUNIA Graduate School of Engineering, 13 Rue De Toul, CEDEX, BP41290, 59014 Lille, France

Deadline for manuscript submissions:
closed (23 October 2023)

Message from the Guest Editors

Over the last few decades, the increasing amount of greenhouse gas (GHG) in the atmosphere has become a critical issue in the face of the global warming crisis. Reducing CO2 emissions has thus become a major goal in the development of new vehicles.

To effectively reduce CO2 emissions from conventional internal combustion engines, environmentally friendly vehicles with advanced powertrain technology that does not solely depend on petroleum have been produced, e.g., hybrid electric, plug-in hybrid electric, battery electric, fuel-cell, oxy-fuel combustion and solar-powered vehicles.

However, to achieve net-zero emissions, a sustainable and low-cost solution to reducing or eliminating CO2 emissions from vehicle powertrains is required.

Original research articles and reviews are welcome for this Special Issue. Research areas may include (but are not limited to) the following:

Zero/low-carbon-emissions powertrain systems;

Engine emissions;

Alternative fuels;

Fuel cell;

Carbon capture and storage,

Hydrogen.

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Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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