

Special Issue

Intelligent Mechatronic and Renewable Energy Systems

Message from the Guest Editor

Mechatronic and renewable energy systems are the driver of our world, with electrical energy as their basis. Of utter importance is a reliable and efficient operation of these systems and their interconnection with the future power grid to ensure global welfare and sustainability.

Therefore, I cordially invite original manuscripts presenting recent advances in these important and interdisciplinary research fields and applications with particular (though not exclusive) focus on:

- Nonlinear and hybrid modeling approaches (considering also the switching behavior of the power electronic actuators);
- Nonlinear, optimal, and fault-tolerant control strategies;
- Efficiency enhancements (by intelligent design and/or control);
- Fault detection methods; and
- Condition-monitoring approaches.

The Special Issue shall present cutting-edge research results in these emerging fields as a basis for a reliable and efficient operation of future mechatronic and renewable energy systems.

Guest Editor

Prof. Dr. Christoph M. Hackl

Department of Electrical Engineering and Information Technology,
Munich University of Applied Sciences (MUAS), 80335 Munich,
Germany

Deadline for manuscript submissions

closed (31 March 2023)



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

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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