

## Special Issue

# Uninterruptible Power Supplies (UPS)

### Message from the Guest Editors

Uninterruptible power supply (UPS) systems are vital equipment to reliably feed sensitive and critical loads such as data centers, communication networks, and IT servers. Although conventional UPS systems, including on-line, off-line, and line-interactive UPSs, are currently in use in the industry, more development is still needed to reduce cost/volume and enhance efficiency and reliability. Prospective authors are invited to submit original contributions or survey papers for publication in *Sustainability*. Topics of interest for this Special Issue include but are not limited to the following topics in the field of UPS:

- Architecture and hardware design;
- New power electronics topologies;
- Design for reliability and robustness;
- Advanced and fault-tolerant control strategies;
- Multi-layer (hierarchical) control schemes;
- Lifetime modeling, condition monitoring, and failure prediction;
- Integration of renewable energy resources;
- Innovative (hybrid) energy storage devices;
- Energy and battery management systems...

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### Guest Editors

Dr. Mehdi Savaghebi

Dr. Hossein Hafezi

Dr. Mahdi Shahparasti

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### Deadline for manuscript submissions

closed (31 August 2020)



## Sustainability

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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.

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### Editor-in-Chief

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