

## Special Issue

# Intelligent Control for Sustainable Energy Management Systems

### Message from the Guest Editors

This Special Issue aims to explore innovative approaches to intelligent control for the sustainable management of energy. It welcomes research papers that address challenges related to the integration of renewable energy, demand-side management, decentralized energy systems, and energy storage solutions. The objective of this Special Issue is to provide new insights and practical solutions for creating smarter, greener, and more resilient energy systems. In this Special Issue, original research articles and reviews are welcome. The scope of this Special Issue includes, but is not limited to, the following topics:

- Advanced algorithms for intelligent energy management systems;
- Integration of renewable energy sources using intelligent control;
- Machine learning and AI in sustainable energy optimization;
- Real-time energy demand forecasting and load balancing;
- Intelligent control for distributed energy resources and microgrids;
- Energy storage optimization and management in smart grids;
- Demand-side management and peak load reduction through intelligent systems.

We look forward to receiving your contributions.

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### Guest Editors

Prof. Dr. Eduardo Mojica-Nava

Department of Electrical and Electronics Engineering, Universidad Nacional de Colombia, 111321 Bogotá, Colombia

Dr. Duvan Tellez-Castro

Department of Electrical and Electronics Engineering, Universidad Nacional de Colombia, Bogota 111321, Colombia

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### Deadline for manuscript submissions

closed (1 May 2026)



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

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# About the Journal

## 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.

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## 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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