

## Special Issue

# Energy Saving Management Systems: Challenges and Applications

### Message from the Guest Editors

The main aim of this Special Issue is to understand the problems of energy-saving management systems by exploring recent research and field results relating to power system design and analysis, smart grids and micro grids, renewable energy, and power electronics applications for distributed energy resources. Topics of interest include, but are not limited to, the following areas:

- Integration and control schemes of energy-saving management systems;
- Advanced energy storage systems for power systems;
- Artificial intelligence and other novel control applications in energy storage systems;
- Design and analysis of active energy-saving systems;
- Hybrid energy storage systems such as hydrogen and supercapacitor energy storage;
- Power electronic applications for grid-connected distributed energy storage systems;
- Power electronic applications in AC/DC smart and micro grid storage applications;
- New trends and challenges in industrial energy-saving applications.

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### Guest Editors

Dr. Mustafa Ergin Şahin  
Prof. Dr. Djamilia Rekioua  
Dr. Alper Nabi Akpolat

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### Deadline for manuscript submissions

15 February 2026



# Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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