



## Application of Power Electronics Technology in Energy System

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### Message from the Guest Editors

The SI aims to foster novel, safe, and economic approaches to the application of electronics technology in energy systems. The topics include but are not limited to:

- Advanced power semiconductors
- Distributed generation, fuel cells, and renewable energy systems
- Electric drivers and application
- Electric vehicle technologies
- Electrical machines, power electronics, and industry applications
- Electrical materials and processes
- Electronic materials
- Electronics, information, and control systems
- Inverter and converter technology
- Power electronics and power drives
- Power generation and sustainable environment
- Renewable energy, including wind, solar, and wave, etc.
- Power electronics in automotive, traction, and aerospace
- Wide band gap semiconductor devices
- Medical and rehabilitation power electronics
- Environmental protection and alternative energy
- Control techniques for power converters
- Railway systems and transportation
- Analysis of a power-electronics-based power system
- Control techniques of power electronic devices
- Ac, dc, and hybrid microgrids

