



ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY

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Special Session on

Grid Connected Hybrid Multi-Energy Storage: Technology, Application, Control, Safety Aspects

Organized and co-chaired by:

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Call for Papers

Technical Outline of the Session and Topics:

Microgrids offer the opportunity for smart energy management in energy communities with new loads such as electric vehicles and renewable supplies such as photovoltaic systems. High fluctuations of power generation from renewable energies can jeopardize grid stability. As fluctuations can occur at a scale of seconds, intelligent control systems for multi-energy storage in microgrids are required to facilitate power conversion.

This special session invites papers on multi-energy storage in AC, DC, or hybrid microgrids, innovative control systems for converters, modelling of Battery/Supercapacitor/Fuel Cell/Hydrogen and power distribution, etc. as well as safety, sustainability aspects associated with energy storage systems.

Topics of the Session include, but are not limited to:

- Multi-energy storage system
- Battery
- Supercapacitor
- Fuel cell
- Hydrogen
- AC/DC/Hybrid Microgrid
- Converter technology for energy storage
- Power distribution
- Control methods
- Safety aspects for energy storage
- Fire
- Environmental sustainability

Author's schedule:

Deadline for submission of special session papers

April 15, 2024

Notification of acceptance

June 10, 2024

Deadline for submission of final manuscript

July 01, 2024

Early submission is highly encouraged for early decision notifications!

All the instructions for paper submission are included in the conference website:

www.iecon-2024.org



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