

# Annual Conference of the IEEE Industrial Electronics Society (IECON 2022)

## Special Session on

### “Power Electronics and Energy Storage Strategies for DC Microgrid”

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## Call for Papers

Power Electronics (PE) configurations have grown in popularity in various renewable systems, particularly in Microgrid systems. Various PE Converters have been installed in several countries, and the growing renewables and energy storage industries have resulted in the development of dependable systems based on a variety of power electronics technologies. PE research in the present day has focused on the advancement of more energy-efficient, dependable, cheaper, appropriate, high voltage and current characteristics, and device reduction for DC Microgrid. This special session aims to bring the current growth in power electronics configurations for eco-friendly and power storage modern technologies, in terms of power electronics devices and circuits, into a common platform.

Topics of interest include, but are not limited to:

- 1 DC-DC, DC-AC, AC-AC, and AC-DC Converters for DC Microgrid.
- 2 Power Electronics control for DC Microgrid.
- 3 Energy Storage Strategy for DC Microgrid.
- 6 High-Frequency Converters- topology, control for DC Microgrid.
- 7 Hybrid Multilevel-, Switched capacitor-, Z Source-based Converters, etc for DC Microgrid.
- 8 Reliable and efficient DC Microgrid and system.
- 9 Analysis, Loss distribution, and modeling of DC Microgrid.

## Sponsoring IES Technical Committee(s)

IEEE IES Power Electronics Technical Committee (PETC)

**Submissions Procedure:**

All the instructions for paper submission are included in the conference website: <https://iecon2022.org/>

**Deadlines:**

Full paper submission:	April 15, 2022
Paper acceptance notification:	June 17, 2022
Camera-ready paper submission:	July. 29, 2022

**Please send this completed document to:**

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