

CALL FOR PAPERS

Special Session on “Advanced Design and Control of Multi-level and Multi-terminal of Power Electronic Converters”

2021 Australian Universities Power Engineering Conference (AUPEC 2021)

September 26-30, 2021, Perth, Australia



ORGANIZED AND CHAIRED by

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SPECIAL SESSION DESCRIPTION (no more than 150 words)

The modern smart grids and microgrids are employing an enormous amount of power electronic converters to integrate renewable generation resources, energy storage systems and loads to the grid. Among various types of converters, the multi-level and multi-terminal converters have attracted extensive research attentions in recent years due to their excellent flexibility, good reliability and cost effectiveness. To further improve the performance of such converters, innovative converter topologies/configurations and novel control algorithms need to be developed. This special issue focuses on the new design and control technologies relevant to multi-level and multi-terminal converters. It includes but is not limited to the following topics:

TOPICS COVERED

- New Multi-level Power Converter Topology/Configuration for Smart Grids and Microgrids.
- Novel Multi-terminal Power Converter for Smart Grids and Microgrids.
- Innovative Control Algorithms to Enhance the Performance of Multi-level, Multi-terminal Power Electronic Converters in the Microgrids and Smart Grids.
- Novel Multi-level, Multi-terminal Power Conversion System Design with Better Reliability and/or Lower Cost.

Schedule:

Deadline for submission of the paper (s) to the Easychair submission site by selecting the desired special session- May 15th, 2021

Notification of acceptance – June 1st, 2020

Deadline for submission of final manuscripts through Easychair- August 1st, 2021

For additional information please visit <https://www.aupec2021.org/>

Supporting Universities:

