

CALL FOR PAPERS



Special Session on Modular Multilevel Converters and Applications

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
October 21-23, 2018, Washington D.C, USA



TOPIC OF THE SPECIAL SESSION

Modular Multilevel converters and Applications

Recently, the researchers and industry is showing increased interest in modular multi-level converters (MMC) and its application is expanding rapidly. They are used in grid integration of wind energy systems, medium voltage regenerative drives, bulk power transfer, HVDC and FACTs . The research is directed towards improving the performance, efficiency and reliability, control of circulation current, voltage balance and fault tolerant operation. This has led to development of different MMC topologies. There is a need to develop improved switching algorithms for optimizing the efficiency and reducing the losses. Also optimized design of arm inductor and capacitor voltage is another challenging area. The papers are invited in following topics

Topics of the Session

- Advanced Topologies for MMC
- Switching algorithms
- Optimal design , efficiency improvement
- Fault tolerant operation
- Advanced control methods in grid connected MMC
- Applications

IEEE IES Technical Committee Sponsoring the Special Session

- Power Electronics

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Author's schedule:

- Deadline for submission of special session papers
May, 2018
- Notification of acceptance
July 15, 2018
- Deadline for submission of final manuscripts
August , 2018