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Special Session on

Electrical machines for renewable energy generation

Organized and co-chaired by:
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Call for Papers

In the last two decades there has been an increasing investment on renewable technologies, that have been identified as the key to reduce the environmental impact and inprove the sustainability of energy generation.

Moreover, power systems are going through a paradigm change from centralized generation to distributed generation, and a new generation of resources, technologies and devices are being deployed to build what is called the smart grid. The smart grid concept allows to improve operational efficiency, reliability and resilience, but also to address the integration and utilization of renewable energy resources.

For these reasons, there have been significant advancements in renewable energy harvesting, especially in the area of electrical machines and drives.

This special session is focused on design and control aspects of electrical machines especially devoted to renewable energy applications.

Topics of interest include, but are not limited to:

- Advanced electrical machines and controlled drives for renewable energy harvesting
- New electrical machine designs for wind energy applications
- High-speed drive systems
- Direct drive machines for renewable energy applications
- Advanced control strategies for electrical machines in renewable energy applications
- Emerging power electronics for electric drives in renewable energy applications

Submission of papers: deadline follows the deadline for the regular papers.
All the instructions for paper submission are included in the conference website:
http://www.icem.cc/2022