Call for Papers

Special Section on Switched Reluctance Motor and Drives

Switched Reluctance Motors (SRM) have inherent advantages such as simple structure with non winding construction in rotor side, fail safe because of its characteristic which has a high tolerances, robustness, low cost with no permanent magnet in the structure, and possible operation in high temperatures or in intense temperature variations. The torque production in switched reluctance motor structures comes from the tendency of the rotor poles to align with the excited stator poles. The operation principle is based on the difference in magnetic reluctance for magnetic field lines between aligned and unaligned rotor position when a stator coil is excited, the rotor experiences a force which will pull the rotor to the aligned position. This Special Section aims to provide a forum for professionals from both academia and industry all over the world to exchange their experience and achievements within the scope of topology, analysis, and coordinated design and control of the machine. Detailed topics include but are not limited to:

- Machine Optimal Design
- Motor control Strategy
- Motor performance analysis
- Machine parameters identification and measurement
- Power Converter Topology
- Noise and Vibrations
- Applications in Home Appliance, Industry and Traction
- Very Large Scale Application
- Sensor and Sensorless control
- Other Related Topics

Contact the deputy editor-in-chief if you'd like to suggest your manuscript which is not within the listed topics.

Brief guideline for authors

Papers styles:

1. Review articles.
2. Original research.

All submitted papers must be in English, must not be published by or currently under review for any other journal or conference.

Detailed submission guideline and template are available at the submission website. All manuscripts and any supplementary materials should be submitted via the site https://mc03.manuscriptcentral.com/tems, choosing *"**SS:** Switched Reluctance Motor and Drives "* as the manuscript type.

About the journal

The CES TEMS is a brand-new quarterly journal published by the China Electrotechnical Society (CES) and the Institute of Electrical Engineering of the Chinese Academy of Sciences, with co-sponsorship of IEEE PELS, starting from March 2017.

Topics of the CES TEMS include but are not limited to electrical machine topologies and designs, field analysis, motor drives, motion control and servo systems, power electronics and power converters, EMI and EMC techniques, renewable energies, xEV and other electrified transportation techniques, applications of new materials, and many others related to the electrical machines and systems.

The CES TEMS is an open-access journal, currently with no publication charge applied to the authors. Published papers will be included in the IEEE Xplore. Inclusion in other globally recognized database such as the Web of Science (SCI) is under arrangement.

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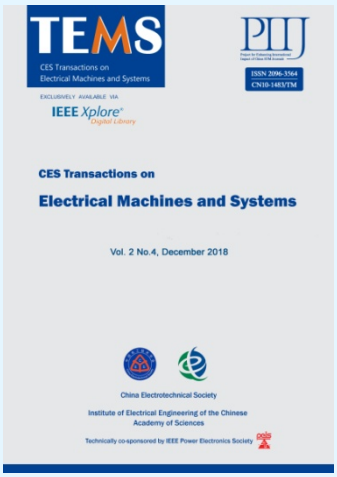

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