

# Call for Papers

## Special Section on Novel Machines and Controls in Electric Propulsion

To reap potentially substantial economic and environmental benefits, the transportation industry is now moving towards electrification, with electric vehicle, all or more electric aircraft, high-speed train, subway, ship propulsion, maglev, etc., being prominent examples. When selecting electric propulsion systems, the cost, reliability, efficiency, maintenance, durability, weight, size, vibration and noise are all considerations, thus bringing great challenges to the design of machines and controllers in electric propulsion systems. Therefore, novel machines and controls in electric propulsion have been hot topics in the last few years.

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 novel machine design and control in electric propulsion applications. Detailed topics include but are not limited to:

- Novel rotary or linear machine topologies in electric propulsion systems
- Optimal design method or algorithm of electric propulsion motors
- Magnetic field analysis of electric propulsion motors
- Performance analysis of electric propulsion motors
- Novel vector and direct torque control strategies in electric propulsion systems
- Sensorless control in electric propulsion systems
- Motor parameter identification and measurement of electric propulsion motors
- New electric propulsion applications
- Other related topics

Contact the deputy editor-in-chief if your manuscript is not within the listed topics, as papers within the general topic of electrical machines and systems are all welcome by the CES TEMS.

### Brief guideline for authors:

#### Papers styles:

1. Review articles.
2. Original research.
3. Rapid communications.

All submitted papers must be in English, must not be published by or currently under review for any other journal or conference.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: Novel Machines and Controls in Electric Propulsion**" as the manuscript type.

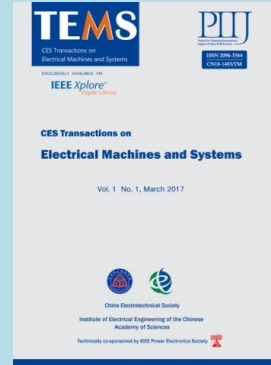
### About the journal

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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### Important Dates

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**26 February, 2019**  
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