

Call for Papers

Special Section on High Performance Design and Driving Technologies of Motor & Drive System for Various Applications

Recently, conventional power drive systems using internal combustion engine has been replaced by electric motor drive systems having high performance and ecofriendly features. In addition, 4th Industrial Revolution and Industry 4.0 have been the biggest issue in the world from several years ago. This movement and change make the electric machine systems as more important and substantial technology in high-end application industries.

Amid this tremendous change in industry field, high performance motor & drive system is the major core technology especially for specific industrial application requiring high efficiency, high precision and fast response, high speed and high power density.

Many research works about various kinds of motor design, driving circuit and control have been studied for the more high performance itself until now. In addition to this research and technology development, the application technology is also very important to meet the requirements of various application systems. The research result and experience data of "High Performance Design and Driving Technologies of Motor & Drive System for Various Applications" will be helpful to progress these high-end industrial applications.

Detailed topics of motor & drive system include but are not limited to:

- Electric vehicles and automobile parts
- Smart factory and manufacturing systems
- Smart actuators for various uses
- Robot manipulation system and powertrain
- Drones and aircrafts
- Electric propulsion systems to replace combustion engine
- Home appliances
- Military applications
- Magnetic gear system
- High speed, precision, efficiency and power density motor & drive system applications

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All submitted papers must be in English, must not be published by or currently under review for any other journal or conference.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: High Performance Design and Driving Technologies of Motor & Drive System for Various Applications**" as the manuscript type.

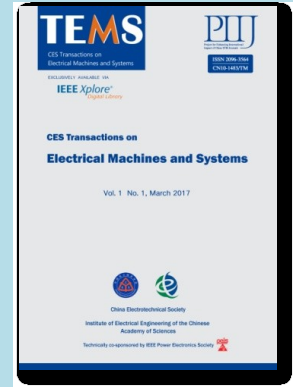
About the journal

The CES TEMS is a 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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