

Special Issue

Design and Analysis of Electric Motors and Generators for Electric Vehicles and Home Appliances

Message from the Guest Editors

Motors are widely applied in EVs and home appliances. In EV/HEV, electric machines are applied to various parts including on-board type or in-wheel type drive systems, such as EPS, DCT and Electromechanical Brake System. In the case of home appliances, they are used as core parts in most products, such as air conditioners, washing machines, and vacuum cleaners. Electric machines have a high potential for future development, and the market and application fields are continuously expanding. Therefore, various research thesis and active cooperative research are needed. This special session will provide an opportunity for exchange between engineers and scholars who are interested in electric machine design and control methodology.

- Electric Machinery
- PMSM(Permanent Magnet Synchronous Motor)
- Induction Motor
- Generator
- Traction Application
- Home Application
- Traction Motor
- FEA(Finite Element Analysis)

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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