

Special Issue

Advanced Technology of Symmetrical Electromagnetic Driving Device

Message from the Guest Editors

Transformers, inductors, motors, magnetic levitation, plasma generators, and other electromagnetic devices are widely used in industrial production, transportation, power systems and scientific research and other fields. In these electromagnetic drives, the electromagnetic field distribution and mechanical structure generally have the characteristics of symmetry. Research on the advanced technology of symmetrical electromagnetic driving device has become a hot research direction. This topic mainly focuses on the advanced technology of symmetric electromagnetic driving devices, including the latest research progress and achievements in power electronics and power transmission technology, motor system design and advanced drive control technology, plasma technology, magnetic information detection and bio-electromagnetic technology, magnetic levitation technology, and so on. We welcome scholars in related fields to contribute your latest research results to our Special Issue.

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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