

Special Issue

Symmetry and Duality in Electromagnetic Technology for Power Converters

Message from the Guest Editors

This Special Issue welcomes contributions covering high-frequency magnetic component design and loss modeling, parasitic parameter extraction, EMI test diagnosis and suppression schemes, novel electromagnetic sensors, and electromagnetic optimization of power converters. Studies combining theoretical modeling, simulation analysis, and experimental verification are encouraged. Topics of interest for publication include, but are not limited to: [Topic 1] Power Electronic Topologies and Control Strategies; [Topic 2] High-frequency characterization and loss measurement of magnetic components; [Topic 3] High-frequency loss modeling and optimization of magnetic components; [Topic 4] Research, design, and applications of magnetic integration technology; [Topic 5] Development and applications of novel magnetic components; [Topic 6] Analysis, modeling, and optimization of EMI filters; [Topic 7] Electromagnetic compatibility diagnosis and solutions; [Topic 8] EMC modeling and simulation for power electronics; [Topic 9] Electromagnetic sensors; [Topic 10] Novel electromagnetic measurement methods.

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About the Journal

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.

Editor-in-Chief

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