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Analysis, Design and Optimization of Electric Machines

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Message from the Guest Editor

In recent decades, electrical machines have seen extensive development, both scientific and technology-related. New concepts in design, introduction of new materials, increased efficiency, and involvement of new optimization and calculation techniques allow broadening their utilization in different industrial areas. They are recognized as important components in many traditional industrial applications, such as industrial drives, power generation systems, and home appliances, as well as in new, emerging ones such as electrical vehicles, medicine, aeronautics, and autonomous subsea vessels. This Special Issue serves to address the present challenging issues with new designs and optimization techniques in the field of electric machines.

- Electric machines;
- Electromagnetic design;
- Thermal design;
- Optimization techniques;
- Measurement techniques;
- Analytical methods;
- Numerical methods;
- Stray effects;
- Stray losses;
- High-speed electric motors;
- Low voltage electrical machines;
- Magnetic materials;
- Electrical machine parameters;
- Parameters of equivalent circuits



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Special Issue



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Message from the Editor-in-Chief

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