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Design and Production Process Optimization for High Performance and Energy Efficiency in Electrical Machines

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Message from the Guest Editor

Optimization of the design and production process is essential for achieving high performance and energy efficiency in electrical machines. In this context, the design process includes the selection of suitable materials, the optimal design of machine components, and careful consideration of factors such as magnetic losses, thermal management, and electrical insulation. The production process includes the selection of appropriate manufacturing techniques, assembly procedures, and quality control measures. Optimizing these processes can lead to improved performance, reduced energy consumption, and lower production costs. Achieving these goals requires a multidisciplinary approach that includes expertise in electrical engineering, materials science, mechanical engineering, and manufacturing.

This Special Issue aims to present the most recent advances in electromagnetic, thermal, and mechanical design and production processes for the development of high-performance and energy-efficient electrical machines.



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Special Issue



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Message from the Editor-in-Chief

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