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Electrical Machine Design

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Message from the Guest Editors

Dear Colleagues,

Electrical machine design remains to date one of the most challenging disciplines in electrical engineering. When designing a new machine, different objectives can be pursued: high efficiency and compactness, low manufacturing or maintenance costs, high reliability, robustness and fault tolerance, high speed or torque capabilities, operation in severe environments, etc. To take up challenges of designing new machines, innovative materials, optimized control techniques as well as fast and accurate design tools also need to be developed and integrated in the optimization process. Furthermore, besides electrical aspects, vibrations, heat transfer and acoustic noise need to be taken into account at the design stage in order to ensure optimal working conditions at both the component and system level.

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Special Issue



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Message from the Editor-in-Chief

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