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Advanced Electromagnetic Analysis and Modeling of Conventional and Special Electrical Machines

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Message from the Guest Editor

Almost two centuries have passed (1821) since Faraday conceived the first device deploying electrical power to obtain a rotary motion. However astounding the progress since then, the evolution of electrical machines looks far from coming to an end. On the contrary, their growingly pervasive spread for countless applications in an increasingly competitive global market results in more and more challenging design goals to be achieved with very tight time constraints: Higher power/torque density requirements, tighter efficiency standards, improved dynamics, new materials and configurations, wider speed range, and multiphysics analysis are some of the issues designers may have to cope with. In the meantime, though, design techniques have been experiencing a dramatic evolution as well, supported by more and more advanced and powerful HW/SW computing resources.

The present *Special Issue* aims to be an opportunity for researchers to contribute to this exciting development sharing cutting-edge experiences and knowledge, as well as any related technological achievements, on the electromagnetic analysis, design, and modeling of conventional and special electrical machines.



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Special Issue



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Message from the Editor-in-Chief

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