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Power Electronics Optimal Design and Control

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Deadline for manuscript submissions:
closed (15 August 2016)

Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the broad area of design for optimization of power electronic converters (AC/DC, DC/DC, DC/AC, and AC/AC), with special interest in optimization for efficiency, reliability, cost, and/or performance by design. The following is a list of recommended topics:

- Model-based converter optimal design: efficiency modeling, reliability modeling, and cost modeling;
- High-efficiency design: high-efficiency component selection, maximum-efficiency control, and new efficient power electronic converters;
- Converter reliability enhancement: reconfiguration, fault tolerance, and redundancy;
- Design for reliability;
- Low-cost power electronics;
- Robust power electronics.

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Message from the Editor-in-Chief

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