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Efficient and Reliable DC–DC Converters and Related Industrial Electronics

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Message from the Guest Editors

This Special Issue focuses on the discussion of emerging solutions suitable for accomplishing efficient and reliable DC–DC industrial power electronics technologies. Potential topics of interest include, but are not limited to, the following:

- Fault diagnostics and prognostics in DC–DC converters;
- Fault analysis in DC–DC converters;
- Fault-tolerant DC–DC converter topologies;
- Control and operation of DC–DC converters;
- DC–DC components reliability;
- Efficiency analysis and optimisation of DC–DC converters;
- Integration of wide-bandgap devices in DC–DC converters;
- DC–DC converter topologies for emerging applications (renewables integration, LED lighting, EV charging, DC microgrids, etc.).



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Special Issue



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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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