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Thermal Management of Power Electronic Devices, Circuits, and Systems: Innovative Solutions for the WBG Era

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Message from the Guest Editor

Wide-band-gap semiconductors based power electronic conversion needs dedicated developments in thermal management to fully exploit the superior device characteristics towards optimum power density, efficiency and reliability. This Special Issue solicits original contributions on the design and application of heat extraction and handling solutions in the presence of very high heat-generation rates. As a niche topic, the production of high-temperature compatible models, technologies and assemblies is a particularly relevant. The focus is not only on the semiconductor device or module, but also on passive components and auxiliary circuitry (gate-drivers, analogue and digital control boards, sensors) in high switching frequency, high power density or high-temperature circuits.



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Special Issue



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Message from the Editor-in-Chief

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