

Special Issue

High-Reliability GaN Gate Drive and Power Applications

Message from the Guest Editors

GaN devices achieve a superior figure of merit compared to Si power devices, exhibiting higher switching frequencies (in the MHz range) and superseding the power density and efficiency of traditional power supplies. Due to these advantages, they can be used in various applications, including miniaturized power supplies, power amplifiers, lidar and others. However, GaN switch applications require customized gate drive circuits and advanced loop control strategies to optimize their reliability and frequency ranges. With this in mind, this Special Issue will mainly focus on advanced gate drive strategies and control for GaN applications.

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About the Journal

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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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