

Special Issue

High-Reliability GaN Gate Driver 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 driver 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 driver strategies and control for GaN applications.

Guest Editors

Prof. Dr. Xin Ming

School of Integrated Circuit Science and Engineering, University of Electronic Science and Technology of China, Chengdu 611731, China

Prof. Dr. Yingyi Yan

School of Integrated Circuit Science and Engineering, University of Electronic Science and Technology of China, Chengdu 611731, China

Deadline for manuscript submissions

15 July 2026



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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