



GaN-Based Power Electronic Devices and Their Applications

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Message from the Guest Editors

Dear Colleagues,

The main aim of this Special Issue is to bring the latest and most important innovations in GaN-based power electronic devices and their applications, address recent breakthroughs in GaN power electronics, and provide an up-to-date picture of current challenges and future development.

The topics covered in this Special Issue include but are not limited to simulation and modelling, device and integration design, epitaxy, processing technology, reliability and failure analysis, advanced characterizations, and applications.

- Simulation and modelling of GaN power electronics
- Epitaxial growth for GaN power devices
- Lateral and vertical GaN power devices
- Processing technology for GaN power electronics
- Reliability and failure analysis of GaN power electronics
- Advanced characterizations for GaN power electronics
- GaN power IC technology
- Power electronic applications based on GaN devices





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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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