



Advances in GaN-Based Electronic Materials and Devices

Guest Editor:

Prof. Dr. Aristotelis Christou

Materials Science Department,
University of Maryland, College
Park, MD 20745, USA

Deadline for manuscript
submissions:

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Message from the Guest Editor

Dear Colleagues,

Thick epitaxial GaN power switching devices are known to contain a high density of crystal defects, especially threading dislocations in the epitaxial layer. The impact of these defects on device performance, manufacturing yield, and long-term field-reliability, especially when operating under extremely stressful high voltage environments, is a topic of ongoing research.

This Special Issue encourages manuscripts on defects in thick GaN epi and their impact on the power electronic switch, as well as the latest results on unique substrates for GaN device quality epitaxial layer growth. This Special Issue also encourages manuscripts to be submitted addressing all reliability issues, especially those related to failure mechanisms. Innovative research results of special GaN-based devices and circuits are also encouraged to be submitted to this Special Issue for publication.

I look forward to receiving your contributions.





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Editor-in-Chief

Prof. Dr. Flavio Canavero

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

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, St. Alban-Anlage 66
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