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GaN-Based Materials and Devices

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Deadline for manuscript submissions:

closed (10 July 2022)

Message from the Guest Editors

We would like to invite researchers to contribute to this Special Issue on GaN-based Materials and Devices. This Special Issue provides reviews while introducing new research updates on some key aspects of GaN-based material growth and device designs. The potential topics of this Special Issue include but are not limited to:

High indium and/or aluminum composition growth

Ga-polar or N-polar growth

Novel nitride growth, such as boron nitride

Light-emitting diodes (LEDs)

Laser diodes (LDs)

Vertical-cavity surface-emitting lasers (VCSELs)

Microcavity or resonant cavity LEDs

Microl FDs

UVIFDs

Long-wavelength devices

GaN based HEMTs or FETs

Tunnel junctions

III-nitride device physics

III-nitride quantum dot growth

III-nitride device processing











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Editor-in-Chief

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Message from the Editor-in-Chief

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