



Emerging GaN Circuits and Devices Design for Various Applications

Guest Editor:

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submissions:

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Message from the Guest Editor

Gallium nitride semiconductors are power semiconductors that have recently emerged. GaN material represents the highest energy band gap and charge density among semiconductor materials. These characteristics allow GaN transistors to produce high output power densities at high frequencies. GaN-on-Si devices are also being actively researched due to their economic feasibility and possibility of integration with other silicon-based integrated circuits.

In this Special Issue, we invite researchers to submit their original research or review articles that are concerned with “Emerging GaN Circuits and Devices Design for Various Applications”.

Topic

- (1) GaN MMICs
- (2) High-power GaN amplifier modules
- (3) High-voltage GaN driver circuits for electric vehicles
- (4) Highly efficient GaN DC-DC/buck/boost converters
- (5) 5G-millimeter-wave GaN power amplifiers
- (6) Robust and highly linear GaN low noise amplifiers/mixers/switches/attenuators
- (7) 6G GaN IC applications





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Message from the Editor-in-Chief

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