



Gallium Nitride HEMTs: Characterization, Modeling and Design Techniques for Microwave and Millimeter-Wave Applications

Guest Editors:

Dr. Sergio Colangeli

Department of Electronics
Engineering, University of Roma
Tor Vergata, Via del Politecnico 1,
00133 Roma, Italy

Dr. Walter Ciccognani

Department of Electronics
Engineering, University of Roma
Tor Vergata, Via del Politecnico 1,
00133 Roma, Italy

Prof. Dr. Ernesto Limiti

Department of Electronic
Engineering, University of Roma
Tor Vergata, 00133 Roma, Italy

Deadline for manuscript
submissions:

closed (1 April 2022)

Message from the Guest Editors

The present Special Issue aims at collecting original contributions and reviews reporting the state-of-the-art of gallium nitride HEMT technology, with particular focus on characterization and modeling methods, but also including fabrication and circuit design techniques.

Keywords:

- Gallium nitride
- Characterization
- Modeling
- MMIC
- HEMT
- Microwaves
- Millimeter-waves

Please click [here](#) to find information!

Welcome to contribute!





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)