

Special Issue

High Carrier Mobility Devices Technology and Applications

Message from the Guest Editors

The scope of this Special Issue is to highlight research on new devices based on Silicon CMOS, III–V materials, and new 2D materials and their uses for applications in the frequency range from microwaves up to the terahertz. The purpose is to investigate the properties of those materials toward high-speed and high-mobility devices for practical application in security, communication, detection, and generation of electromagnetic radiation. The aim is to introduce new ideas to the research of new materials and its development for ultra-high frequency applications, a very hot topic in research today.

- high carrier mobility
- field effect transistors
- terahertz
- telecommunications
- 6G
- optoelectronic
- plasmonic

Guest Editors

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About the Journal

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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