



RF/MM-Wave/THz Integrated Circuit Design for 5G/6G, Artificial Intelligence, Internet-of-Things, and Future Computing Applications

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Message from the Guest Editors

Dear Colleagues,

As the physical, digital, and biological worlds continue to converge, new technologies and platforms are changing our lives and reshaping our societies and economies. The exponential growth of advanced technologies such as 5G/6G, artificial intelligence (AI), the Internet of things (IoT), and future computing (e.g., DNA computing, neuromorphic computing, quantum computing, and optical or photonic computing) is pushing semiconductor technology to its limits. Also, future networks will become extremely heterogeneous, which brings great challenges to wireless connection, spectrum share, as well as data fusion.

Therefore, the next generation of wireless communication and semiconductor technology is expected to meet the demands of various challenging use cases that cover a wide range of new applications from 5G/6G communications, mobile computing, AI, and advanced Internet of things to big data, cloud, and edge computing.

This Special Issue aims to discuss open problems and present new solutions that address the challenges of future communication systems, AI, ubiquitous connectivity, IoT networking, and RF/mm-wave/THz chip design.





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Message from the Editor-in-Chief

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