



Millimeter-Wave/Terahertz Integrated Circuit Design

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Message from the Guest Editors

Dear Colleagues,

Since these frequency bands are getting close to the f_{max} of active devices, the available gain from the active devices declines rapidly at these frequencies. Transmission in these two frequency bands also faces greater challenges than transmission in low GHz radio frequency (RF) and microwave frequency bands. Hence, there is a strong need for investigation of the fundamentals and practicalities in mm-wave and THz integrated circuit design.

In this context, this Special Issue offers a premier interdisciplinary platform for researchers to disseminate their results in areas of mm-wave and THz integrated circuit design to a diverse audience. To that end, we invite authors to submit their research papers and comprehensive reviews in the following or related topics:

- Novel integrated circuit design for mm-wave and THz applications.
- Mm-wave and THz transceiver array.
- On-chip mm-wave and THz antenna.
- Oscillators and frequency synthesizers.
- Heterogeneous integration of CMOS and compound semiconductor circuits.
- Integrated mm-wave and THz radar sensors.
- Chip packaging for mm-wave and THz band
- Modeling for mm-wave and THz circuit and device.





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Message from the Editor-in-Chief

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