

## Special Issue

# Design and Implementation of RF Front-Ends for Next Generation Communication Systems

### Message from the Guest Editors

The rapid increase in the demands of data transmission rates driven by emerging applications has imposed stringent requirements in the operation frequency and bandwidth for next-generation wireless communication systems. To accommodate the requirements of modern communication systems, new design and implementation technologies for front-end subsystems are necessary. New technologies that lead to compact size, ease of integration, and performance improvement are critical at microwave/millimeter-wave frequencies. This Special Issue is thus devoted to the presentation of the latest developments in passive and active components and circuits in the front ends for the next generation of communication systems. Topics of interest include but are not limited to:

- Device technologies for microwave/millimeter-wave applications;
- Power-combining techniques;
- Low-noise amplifier circuits;
- Power amplifier circuits;
- Switches/Antennas/Filters;
- Antenna arrays;
- Passive components;
- Materials for microwave/millimeter-wave applications.

### Guest Editors

Prof. Dr. Heng-Tung Hsu

Prof. Dr. Jeng-Han Tsai

Dr. Kuniyuki Kakushima

### Deadline for manuscript submissions

closed (31 October 2022)



## Electronics

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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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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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