Special Issue

Futuristic Antennas: Sustainable, Efficient, Reconfigurable, and Intelligent Design

Message from the Guest Editor

Futuristic antenna designs are necessary to meet the demands of rapidly evolving technologies and next-generation wireless communication systems. These designs address current challenges and enable capabilities required for driving technological advancements. Therefore, this Special Issue focuses on the innovative and futuristic antenna designs and implementations that drive the evolution of wireless communication systems, including 5G, 6G, and beyond. Topics include, but are not limited to, the following:

- Unconventional antenna design;
- Sustainable antenna materials and design;
- Energy-efficient antenna system and design;
- Reconfigurable, scalable, and adaptive antenna system and design;
- AI and machine learning in antenna design;
- Wide-angle scanning array (WASA);
- Full duplex antennas (FDA);
- Antennas for automotive radars;
- Antennas for high-frequency applications;
- Holographic and metamaterial-based antennas;
- Substrate-insensitive patch antenna;
- Flexible and wearable antennas;
- Plasma antennas;
- Fluid antennas;
- Integrated sensing and communication (ISAC);
- Smart electromagnetic environments (SEMEs).

Guest Editor

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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.

Editor-in-Chief

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