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SPECIAL ISSUE ON METASURFACE CIRCUITS AND ANTENNAS

Over the past ten years, the theoretical basis and various applications on metasurfaces have been discussed. Compared with three dimensional metamaterials, two dimensional metasurfaces that consist of electrically small surface scatters have advantages of compact structure, low loss and ease of fabrication. Metasurfaces have a wide range of potential applications in electromagnetics (ranging from low microwave to optical frequencies), including: (1) controllable smart surfaces, (2) miniaturized cavity resonators, (3) terahertz switches, (4) angular-independent surfaces, (5) absorbers, to name only a few.

Among them, the applications of metasurfaces in antennas and circuits are particularly promising, which is currently the focus of pioneering research. Although different solutions for high-performance antennas and circuits have been proposed using metasurfaces in the open literature, comprehensive performance enhancement of metasurface-based antennas and circuits is still challenging, while new concepts and new functionalities are eagerly required.

This special issue is intended to focus on the ongoing trends of metasurface research, with particular emphasis on the current state-of-the-art of metasurface antennas and circuits with new concept/theory/techniques, new functionalities, high performances, and/or form-factor miniaturization. Suitable topics include but are not limited to:

- Advanced modeling and design of metasurface
- Advanced synthesis and theoretical methods for metasurface design
- New-concept metasurface antennas and circuits
- metasurface antennas and circuits with new functionalities
- Integrated and hybrid metasurface circuits
- Reconfigurable metasurface antenna and circuit designs
- Broadband/multiband metasurface antennas and circuits
- Modulated metasurface Antennas
- Multifunctional metasurface antennas and circuits
- Signal and wave manipulations using metasurface
- Metasurface device and antenna for 5G and wireless systems

This special issue will appear in **January 2020**. Manuscripts should conform to the requirements for regular papers in the journal. Authors wishing to have their contributions considered by this issue should submit their manuscripts in pdf format before **June 30, 2019**, using the following Scholar One address for online submission at: http://mc.manuscriptcentral.com/mmce
In the "Author-Supplied Data" block, the contact author is advised to enter "yes" in the Special Issue column as well as the title. Any further enquires may be made to the Guest Editors:

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