



The Emerging Science and Applications of Microwave Photonics

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Message from the Guest Editors

Dear Colleagues,

Microwave photonics is an interdisciplinary field that combines the disciplines of optics and microwave engineering in order to combine both to develop novel devices and systems for use in a variety of applications.

For instance, microwave photonics can be used to generate high-frequency signals for wireless communication, offering high spectral purity and low phase noise. It can also be used in sensing applications, such as fiber optic sensors.

We welcome potential authors working in relevant fields to submit original research that addresses the key challenges and opportunities including but not limited to the following areas:

- Integrated microwave photonics;
- Microwave photonic filters;
- Microwave photonic oscillators;
- Microwave photonics for sensing and communication applications;
- Microwave photonic signal processing;
- Microwave photonics for radio frequency and microwave systems;
- Novel devices and systems for microwave photonics;
- Novel applications of microwave photonics.

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