



## Microwave Photonic Signal Processing

Guest Editor:

**Prof. Dr. Dan Zhu**

College of Electronic and  
Information Engineering, Nanjing  
University of Aeronautics and  
Astronautics, No. 29, Jiangjun  
Dadao Street, Jiangning District,  
Nanjing 211106, China

Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

Dear Colleagues,

The purpose of this Special Issue of MDPI *Photonics* is to highlight the recent progress and trends in microwave photonic signal processing to develop the next generation of microwave-photonics-based radar, communication, and measurement systems and so on with cognitive ability. Areas of interest include (but are not limited to):

- Microwave-photonic-integrated circuits for signal processing;
- Time-frequency transformation techniques for microwave photonic signal processing;
- Novel applications of deep learning to microwave photonic signal processing;
- Novel microwave photonic signal processing techniques and the system applications in radar, communication and measurement systems;
- Microwave photonic signal sensing, generation, distribution, and processing techniques for cognitive systems.

