



## Photonics Based Sensing and Detection

Guest Editors:

**Prof. Dr. Kan Wu**

State Key Laboratory of  
Advanced Optical  
Communication Systems and  
Networks, Department of  
Electronic Engineering, Shanghai  
Jiao Tong University, Shanghai  
200240, China

**Prof. Dr. Xing Li**

State Key Laboratory of  
Advanced Optical  
Communication Systems and  
Networks, Department of  
Electronic Engineering, Shanghai  
Jiao Tong University, Shanghai  
200240, China

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### Message from the Guest Editors

Sensing and detection is an ever-growing research area that is relevant in a large number of important applicative fields, including medical diagnostics, environmental monitoring, traffic and automotive industries, food safety, national defense, space flight and aviation. Photonic technology has been widely used for sensing and detection during the last decade. By utilizing different characteristics of the photon, including the amplitude, phase, time, frequency, space, and so on, signals can be detected and processed in multiple dimensions, which also changes the method and performance of signal processing in sensing and detection.

This Special Issue will explore enabling technologies for optical sensing and optical detection. Signal processing theories related to optics, optoelectronic integration, photonic devices, subsystems/systems, techniques as well as future perspectives are all within the scope.





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Dipartimento di Ingegneria  
Elettrica e dell'Informazione  
(Department of Electrical and  
Information Engineering),  
Politecnico di Bari, Via Edoardo  
Orabona n. 4, 70125 Bari, Italy

## Message from the Editor-in-Chief

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*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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