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Instruments and Technology*

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## **Optoelectronic Devices and Optical Signal Processing**

**Yi Dong**  
**Jian Chen**  
**Fabien Bretenaker**  
*Editors*

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## Introduction

The advent and progress of novel optoelectronics devices and components, including nano-photonics devices and integrated optics, allow for the achievement of novel optical signal processing systems and subsystems. This would lead to the realization of advanced optical communication systems and networks, optical measurement technologies, and other novel applications. The development of these techniques will facilitate and expedite the implementation of optical systems in all aspects and represent an impressive feat of science and technology in these fields.

The topics of the Optoelectronics Devices and Optical Signal Processing section of OIT'2017 cover integrated photonics, novel optoelectronic devices and technologies, emerging optoelectronic systems and subsystems, and their applications in optical signal processing, optical measurement, sensing, and optical communication systems and networks. More than 40 papers were accepted in this section, which have reported the state-of-the-art progresses, results, and achievements in the relevant communities.

**Yi Dong**  
**Jian Chen**  
**Fabien Bretenaker**



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