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# PROCEEDINGS OF SPIE

## ***12th Conference on Integrated Optics: Sensors, Sensing Structures, and Methods***

**Przemyslaw Struk  
Tadeusz Pustelny**  
*Editors*

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## Introduction

The Conference on INTEGRATED OPTICS: Sensors, Sensing Structures and Methods is an international scientific forum of photonics and modern nanotechnology.

The Integrated Optics (IOS) conference is organized every year since 2004 and in 2017 it was held for the twelfth time.

IOS'2017 took place from February 27 to March 3, 2017 in Szczyrk, in the META Hotel, in the Beskidy Mountains in southern Poland, a real winter scenery. IOS'2017 was attended by 60 scientists, mainly from Poland, as well as from Australia, Qatar and Slovakia.

The main organizer of the 12th IOS'2017 was the Photonics Society of Poland in cooperation with SPIE. The technical co-organizers of the conference were: the Upper Silesian Division of the Polish Acoustical Society and the Optoelectronic Department at the Silesian University of Technology in Gliwice (Poland).

The Honorary patronage of the Conference has taken over by Professor Wieslaw Wolinski – Full Member of the Polish Academy of Sciences.

During the IOS'2017 conference thirty-eight oral lectures were held in 8 scientific sessions. In addition, twenty one posters were presented during the poster session.

The main aim of the Conference was an exchange of knowledge in the scope of practical applications of photonics, integrated optics and related scientific areas. The objectives of the Conference were also presentations of experiences in the field of technology and theoretical analysis of optoelectronic sensors and practical applications of sensing structures and systems, as well as new methods in the field of modern metrology.

The IOS'2017 Conference has contributed to the extension of relations between scientific groups and has enabled the intensification of common cooperation for the development of photonics and integrated optics.

**Tadeusz Pustelny**

