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Przemysław Struk
Tadeusz Pustelny
Editors

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Introduction

The 14th Conference on Integrated Optics: Sensors, Sensing Structures, and Methods is the international scientific forum of photonics and modern nanotechnology.

The Integrated Optics (IOS) conference is organized every year since 2004, and in 2019 it was held for the fourteenth time.

IOS19 took place from 25 February to 1 March 2019 in Szczyrk, Poland, in the META Hotel in the Beskidy Mountains in southern Poland in a real wintery scene.

IOS19 was attended by 65 scientists, mainly from Poland, as well as presenters from France, Spain, Australia, Qatar, and the Czech Republic.

The main organizer of the 14th Conference on Integrated Optics: Sensors, Sensing Structures, and Methods was the Photonics Society of Poland in cooperation with SPIE. The technical 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 been taken over by Professor Wiesław Wołoski – Full Member of the Polish Academy of Sciences.

During IOS19 thirty-four oral lectures were held in 8 scientific sessions. In addition, twenty eight posters were presented during the poster session.

The main aim of IOS19 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 accomplished in 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 on new methods in the field of modern metrology.

IOS19 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