

## **“Optoelectronic Devices and Systems”**

This Special Issue of the Bulletin of the Polish Academy of Sciences: Technical Sciences contains selected papers presented at two periodic conferences: “Optical Fibers and Their Applications” held in Białowieża, in January 2011 and “Integrated Optics – Sensor, Sensing and Methods” (IOS 2011) held in Szczyrk, in February 2011. The first of these conferences focused mainly on issues related to materials for optoelectronics, fiber technology, measurements and applications. The technology and theoretical analysis of optoelectronic sensors and the practical applications of sensing structures were the main topics of IOS 2011.

The Issue includes 14 papers which can be divided into four major thematic groups:

- optical fibers and planar waveguides,
- optoelectronic sensors and materials,
- optoelectronic systems for medicine,
- spectroscopy techniques for security applications.

The content of this Special Issue shows a wide range of the current theoretical and experimental investigations in the field of optoelectronics, performed in the various research centers in Poland, represented by the conference contributors.

I would like to express my appreciation to the authors who contributed to this Special Issue. I also would like to thank all reviewers for their valuable comments and suggestions that contributed significantly to improve the papers' quality. Finally, I would like to thank Mrs Ewa Kiczko, Copy-editor, for her assistance and support in management of the paper review and copyediting.

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