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19th Polish-Slovak-Czech Optical Conference on **Wave and Quantum Aspects of Contemporary Optics**

Agnieszka Popiołek-Masajada
Wacław Urbańczyk
Editors

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Introduction

The 19th Polish-Slovak-Czech Optical Conference on Wave and Quantum Aspects of Contemporary Optics was held 8–12 September 2014 in Wojanów Palace near Jelenia Góra, a modern SPA and conference center situated in newly renovated buildings of a historical romantic manorial residency. This magnificent place with its relaxed atmosphere provided an ideal setting for an enjoyable meeting. For over 40 years, the Polish-Slovak-Czech Optical Conference stimulates an exchange of ideas among academic and industrial communities of the three organizing countries. This conference series was originated in the early 1970s and now takes place every two years alternating in turn from Poland, Slovakia, and the Czech Republic.

The 19th conference was organized by the Institute of Physics, Wrocław University of Technology, Poland and covered several aspects of modern optics, including quantum and nonlinear optics, x-ray and UV optics, lasers and laser-assisted manufacturing, wave and geometrical optics, waveguide optics, optical trapping, plasmonics, magnetooptics, optical communication, optical metrology, design and manufacture of optical components, education for research, and training in optics. The conference attracted 151 participants, among them 85 from Poland, 38 from the Czech Republic, 20 from Slovakia, and 8 from other countries (Germany-3, United Kingdom-2, Italy-1, Australia-1, Russia-1). The participants had an opportunity to listen to 26 invited and 56 regular lectures. Moreover, there were 59 posters presentations covering a broad range of topics. These proceedings contain 6 invited papers and 58 regular papers reviewed by the members of the Technical Program Committee.

The 19th Polish-Slovak-Czech Optical Conference could not be so successful without involvement of many people, including members of the Organizing Committee and the Technical Program Committee, invited lecturers, and session chairs. We would like to express our gratitude and appreciation for their contribution. Finally, we wish our colleagues from Slovakia, who are now responsible for organizing the twentieth Slovak-Czech-Polish Optical Conference in 2016, a successful meeting and satisfaction in their work related to the conference preparation.

Agnieszka Popiołek-Masajada
Wacław Urbańczyk

