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Oleg V. Angelsky

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Introduction

The Ninth International Conference on Correlation Optics continues the series of conferences with the same title held biannually at Yuriy Fedkovych Chernivtsi National University (Ukraine) since 1993. More than 90 participants from 20 countries attended the conference, and more than 130 reports were presented. This volume includes the invited talks as well as the best oral and poster contributions on the following topics:

- Informative content of statistical optical fields, including optical chaos, singular optics, polarization optics, and coherence
- Optical correlation diagnostics, interferometry and microscopy of rough surfaces and random media
- Optical correlation devices on diffractive optical elements, including optical and digital holography, fractal optics, and optical sensors
- New applications of correlation optics in biology and medicine.

I am grateful to all participants of the conference, as well as to the members of the International Program Committee and the Conference Organizing Committee whose work provided a high level of scientific and organizing expertise for the conference.

Oleg V. Angelsky

