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Sixth International Conference on

Advanced Optical Materials and Devices (AOMD-6)

**Janis Spigulis
Andris Krumins
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Inta Muzikante
Andris Ozols
Maris Ozolinsh**
Editors

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Introduction

All papers included in this volume are collected from the Sixth International Conference on Advanced Optical Materials and Devices (AOMD-6) held 24–27 August 2008 in Riga, Latvia. Series of the AOMD conferences, the major optics and photonics event in the Baltic countries, started in Riga in August 1996. Since then the AOMD-brand has gained high reputation among optics and photonics professionals not only in the Baltics, but also in Scandinavia, Western Europe, North America, and other parts of the globe.

The AOMD-6 program comprised traditional topics like new inorganic and organic optical materials, materials for applications in holography and optical recording, semiconductor emitters/photodetectors, optical thin films, coatings and photovoltaics, as well as bio-optical technologies and optical sensors. Ten invited plenary lectures on the hottest topics have been presented, along with 36 regular oral reports and 45 poster reports. Scientists from 16 countries have contributed to this conference.

The AOMD-6 full papers published here will be useful for researchers, educators and engineers, as well as for students interested in recent developments of optical materials, photonic devices and their applications in industry and medicine.

On behalf of the organizing committees, I cordially thank all authors and reviewers for their contributions to this book.

Janis Spigulis
AOMD-6 Conference Chair