

PROCEEDINGS OF SPIE

Holography and Diffractive Optics III

**Yunlong Sheng
Dahsiung Hsu
Chongxiu Yu**
Editors

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Introduction

The Proceedings of SPIE Volume 6832, *Holography and Diffractive Optics III*, contains 82 of the papers presented at Photonics Asia 2007, held in Beijing, China, and cosponsored by Chinese Optics Society (COS) and SPIE. The previous conferences on Holography and Diffractive Optics from the Photonics Asia Symposium were held in 2002 and 2004 and published in the Proceedings of SPIE Volumes 4924 and 5636, respectively. The papers published in volume 6832 are from China, Taiwan, Hong Kong, Japan, Canada, Australia, and the USA. They cover various aspects of holography and diffractive optics, demonstrating the high volume of international research activities on holography, diffractive optics, and their applications. New applications for diffraction of nanostructures, photonics crystals, and optical micro-manipulations were highlighted in the conference, along with the new developments in digital holography and techniques in diffraction grating fabrication.

It is a real pleasure for us to jointly edit these proceedings on this exciting research area, especially following all the lively presentations and exciting discussions among the participants from the research communities of many parts of the world. We want to thank the staffs of SPIE and COS for their hard work in organizing the conference and publishing this proceedings volume.

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