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Holography: Advances and Modern Trends

Miroslav Miler
Miroslav Hrabovský
Editors

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Introduction

Holography has a “long” history. Sixty years ago, the first comprehensive paper of Dennis Gabor was published in Proc. Roy. Soc. Today, holographic methods are actively applied in many fields of optics and optoelectronics although no special conferences on holography existed for a long time. This conference, Holography: Advances and Modern Trends, was an exception motivated by the constant interest in new recording materials, extreme wavelengths for recording, digital recording, and recording photonics crystals.

This two-day conference in the SPIE *Europe Optics + Optoelectronics* symposium had 8 oral sessions and a poster session. The oral sessions included two sessions on recording materials, as well as sessions on advanced holography, holography for security, holography for photonic crystals, holographic gratings, computer assisted holography, and digital holography. The variety of holographic subjects also required a flexible program.

Some highlights from the conference included the sessions on materials featuring John Sheridan's group from Dublin, Ireland, which followed the excellent invited paper from Antonio Fimia-Gil from Elche, Spain. As the Czech Republic belongs among the few world producers of security holograms, the session on security holograms met a high standard. It is also necessary to mention the very interesting paper on recording photonic crystals presented by authors Lucilla H.D. Cescato and Jacson W. Menezes from Campinas (Brazil). Overall 15 poster papers and 28 oral papers were presented.

We warmly thank all of the participants and we hope that the participants found, like we did, many new ideas for their work and that our next meeting will have an even higher quality of valuable research.

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