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Practical Holography XXVI: Materials and Applications

**Hans I. Bjelkhagen
V. Michael Bove, Jr.**
Editors

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Introduction

The SPIE Practical Holography conference, which takes place every year in January, is an important international event in the field of holographic applications and recording materials. This year marks the twenty-sixth meeting of the Practical Holography conference which is part of the Photonics West event. The conference provides a venue for all aspects of holography: art, display, metrology, scientific, security, storage, CGHs and HOEs. The conference also brings together participants from all over the world. This year's meeting consisted of 21 oral and 16 poster papers. In addition, a Holography Technical Meeting took place during an evening focused on new developments and applications including demonstrations.

This year's conference featured many novel and interesting contributions in various fields during two days of oral presentations and a poster session. The oral presentations divided into five sessions on three main topics: materials, digital holography and scene capture, and applications in storage, printing and optics. The materials papers demonstrated that holographers continue to innovate in their search for efficient and inexpensive materials, while the number of digital holography presentations indicates that real-time dynamic holographic display continues to be an appealing topic for researchers. New scene capture techniques are enabling digital holograms to feature subject matter that previously was difficult to acquire. It is notable that holographic video is becoming a mature enough technology that human-factors research is beginning to be conducted in addition to technical investigations into display architectures and algorithms. Holography is finding its place in yet more applications, and new methods are being developed in support of the needs of the expanded application domains.

The conference chairs would like to thank the authors (both those new to this conference and returning authors) as well as the session chairs and the program committee members for their contributions to this conference. We look forward to seeing you in San Francisco in January 2013.

Hans I. Bjelkhagen
V. Michael Bove, Jr.

