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Thomas D. Milster
Editors

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Introduction

This proceedings volume is a collection of papers based on the invited and contributed presentations at the Optical Data Storage (ODS) 2015 conference, held on August 9th, 2015 at the San Diego Convention Center as part of SPIE Optics + Photonics 2015.

ODS 2015 was the second ODS conference held as a part of SPIE Optics + Photonics, following ODS 2014. After ODS 2014, we conducted a brief survey on future ODS conferences for the attendees. The main results were as follows. Regarding the style, all attendees liked to continue to have the ODS conferences as part of larger conferences. Regarding the appropriate frequency, the majority opinion was that we should have the ODS conference every year rather than every two years to maintain our momentum even if there would be little material. Based on these results, we decided to hold the ODS 2015 in the same style as that of the ODS 2014.

The ODS 2015 was basically a good success. A total of 16 papers (7 invited papers and 9 contributed papers) were presented orally. One paper, 9587-4, cancelled because of a strong typhoon, but is included in this Proceedings volume. There were some high-quality presentations about holographic data storage as well as emerging and elemental technologies. One thing we have to regret is that we had no presentations about heat-assisted magnetic recording this year, we had a lot last year. Nevertheless, the average number of attendees for each session this year was almost the same as that last year.

We are very happy that a total of 12 papers are contained in this Proceedings volume. They represent important and interesting achievements in the current field of optical data storage. We hope that the readers find this Proceedings volume stimulating and exciting as well as helpful for their future research and development.

Finally, we would like to express our sincere gratitude to the committee members, session chairs, and all of the presenters and attendees of ODS 2015, as well as the SPIE staff for their great contribution. We are planning to have ODS 2016 as part of SPIE Optics + Photonics 2016, which will be officially announced later.

Ryuichi Katayama
Thomas D. Milster