

Guest Editorial OFC 2017 Special Issue

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# Guest Editorial

## OFC 2017 Special Issue

**A**S guest editors for this Special Issue of the IEEE/OSA JOURNAL OF LIGHTWAVE TECHNOLOGY (JLT), we are pleased to present a broad selection of important contributions to the Optical Fiber Communications Conference (OFC) 2017, which took place in March in Los Angeles, CA. This special issue documents the state of the art in optical fiber technologies and networks in greater depth than is possible in the limited format of the conference technical digest.

To capture a broad range of subjects, we invited authors of accepted post-deadline papers, tutorial presenters, and the winner of the Corning student award to submit a contribution to this Special Issue. We encouraged all authors to augment their papers by including more detail and additional content. All of the submissions to this special issue underwent the standard peer-review process thus assuring the accuracy, completeness and quality expected of a JLT publication.

Many of the invitees took the opportunity to submit a more detailed manuscript to this Special Issue. The issue is comprised of an expanded version of a paper by Zhe Li *et al.* who won the Corning student award, 14 papers expanding the latest research results reported in a post-deadline presentation, as well as 2 tutorial papers providing a broad overview of advances in the science and technology of optical communications and networks.

The contents of this Special Issue reflect both the rapid progress taking place in the field and the breadth of the conference, covering all aspects of optical communications and fiber-optic technologies. The papers published in this Special Issue cover a number of topics including novel laser design, submarine transmission using advanced modulation formats and fibers, as well as transceivers for short-reach links and datacenter interconnects. Software-defined networking enabled optical access and elastic optical networks are also addressed in this issue.

We would like to thank the authors and reviewers, whose dedicated efforts maintain the high technical standard of this journal. We would also like to thank JLT's Publication Staff Douglas Hargis, Lisa Manteria, and AndreAnna McLean, who have

produced a high-quality print volume under the tight schedule required for a special issue of this kind.

We hope that this Special Issue will serve as a useful archival reference, providing access to information presented at OFC 2017 to a broader audience than those who attended the conference. We would like to invite you to attend and participate in OFC 2018, to be held March 11–15 in San Diego, CA.

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