

PROCEEDINGS OF SPIE

Complex Light and Optical Forces XII

**Enrique J. Galvez
David L. Andrews
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Editors

**30 January–1 February 2018
San Francisco, California, United States**

Sponsored and Published by
SPIE

Volume 10549

Proceedings of SPIE 0277-786X, V. 10549

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

Complex Light and Optical Forces XII, edited by Enrique J. Galvez, David L. Andrews,
Jesper Glückstad, Proc. of SPIE Vol. 10549, 1054901 · © 2018 SPIE
CCC code: 0277-786X/18/\$18 · doi: 10.1117/12.2323202

Proc. of SPIE Vol. 10549 1054901-1

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Author(s), "Title of Paper," in *Complex Light and Optical Forces XII*, edited by Enrique J. Galvez, David L. Andrews, Jesper Glückstad, Proceedings of SPIE Vol. 10549 (SPIE, Bellingham, WA, 2018) Seven-digit Article CID Number.

ISSN: 0277-786X
ISSN: 1996-756X (electronic)

ISBN: 9781510615830
ISBN: 9781510615847 (electronic)

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA
Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445

SPIE.org

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Introduction

The 2018 edition of the conference Complex Light and Optical Forces XII featured 58 submissions. The high number of presentations spanned three full days of the Photonics West Meeting in San Francisco, California. The themes of the conference included fundamental findings on complex light beams and research on new interactions between light and matter. Topics of much interest today that were discussed in the presentations include the generation and detection of spatial modes in new ways, further studies of modes that combine spatial and polarization aspects of light, and the role of chirality in forces of interactions between light and matter.

The set of articles in this volume are representative of the discussions at the conference, featuring both fundamental and applied aspects of complex light and interactions. They are indicative of the vitality of this line of research that continues to grow with newly discovered phenomena and new applications.

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