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Complex Light and Optical Forces X

**Jesper Glückstad
David L. Andrews
Enrique J. Galvez**
Editors

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Contents

vii	<i>Authors</i>
ix	<i>Conference Committee</i>
xi	<i>Introduction</i>

SESSION 1 TOAST TO 10TH YEAR OF COMPLEX LIGHT AND OPTICAL FORCES

9764 02	Overview of selected seminal optical science and photonics processes in nature (Invited Paper) [9764-1]
9764 03	Transverse spin and momentum in structured light: quantum spin Hall effect and transverse optical force (Invited Paper) [9764-2]

SESSION 2 QUANTUM ASPECTS

9764 07	Quantum issues with structured light [9764-7]
9764 08	Satisfying the Einstein-Podolsky-Rosen criterion with massive particles [9764-8]

SESSION 3 MICROFABRICATION FOR BEAM ENGINEERING

9764 0A	A platform for lab and industrial scale replication of phase optics and microfluidics (Invited Paper) [9764-10]
9764 0B	Structured amplitude and phase fields behind microstructures: the quest for high contrast modulation at proximity (Invited Paper) [9764-11]
9764 0C	Compact solutions for optical fiber tweezers using Fresnel zone and phase lenses fabricated using FIB milling (Best Student Paper Award) [9764-12]

SESSION 4 BEAM ENGINEERING AND APPLICATIONS

9764 0F	Cell sorting using efficient light shaping approaches [9764-15]
9764 0H	Dark GPC [9764-17]
9764 0I	Generation of complex light using uniaxial and biaxial crystals: an efficient and accurate vectorial simulation technique [9764-59]

SESSION 5	MEASUREMENTS AND CALIBRATION
9764 0J	Optical quantification of forces at play during stem cell differentiation (Invited Paper) [9764-18]
9764 0L	Measurement and accumulation of electric charge on a single dielectric particle trapped in air [9764-20]
9764 0O	Mapping the spectral twist of few-cycle vortex pulses [9764-23]
SESSION 6	SUPERPOSITION EFFECTS
9764 0P	Single-beam interference from plain Gaussian and OAM wavefronts (Invited Paper) [9764-24]
9764 0Q	Generation of Laguerre Gaussian beams using spiral phase diffractive elements fabricated on optical fiber tips using focused ion beam milling [9764-58]
9764 0R	High-order disclinations in the polarization of light [9764-26]
9764 0S	Soliton formation by interacting Airy beams [9764-27]
SESSION 7	CHIRALITY
9764 0W	Chiral separation and twin-beam photonics [9764-30]
SESSION 8	MODES, PROPAGATION, AND TRANSMISSION
9764 0Y	Untangled modes in multimode waveguides (Invited Paper) [9764-32]
9764 10	Optical vortex beam transmission with different OAM in scattering beads and brain tissue media (Travel Award) [9764-34]
SESSION 9	NANOSTRUCTURES AND NEAR-FIELD
9764 14	Optical binding between nanowires (Invited Paper) [9764-37]
9764 16	Novel non-imaging optic design for uniform illumination [9764-55]
SESSION 10	PARTICLE TRAPPING, MANIPULATION, AND TRACKING
9764 1A	Tractor beams for optical micromanipulation [9764-44]

SESSION 11 LASER MICROFABRICATION AND MICROASSEMBLY

- 9764 1C **Holographic vector-wave femtosecond laser processing (Invited Paper)** [9764-46]
- 9764 1D **Complex light in 3D printing (Invited Paper)** [9764-47]
- 9764 1E **Optical screw-wrench for interlocking 2PP-microstructures** [9764-48]

SESSION 12 OPTICAL FORCES: ENHANCEMENT AND OTHER EFFECTS

- 9764 1F **Photothermal heating in metal-embedded microtools for material transport (Invited Paper)**
[9764-49]

POSTER SESSION

- 9764 1J **Photo-induced force for spectroscopic imaging at the nanoscale** [9764-53]

Authors

Numbers in the index correspond to the last two digits of the six-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first four digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Alfano, Robert R., 02, 10	Morales Delgado, Edgar, 1D
Andrews, David L., 07, 0W	Moser, Christophe, 1D
Arlt, J., 08	Oddershede, Lene B., 0J
Babadi, S., 16	Ostendorf, A., 1E
Bañas, Andrew Rafael, 0F, 0H, 1F	Palima, Darwin, 0F, 0H, 1F
Bernasconi, Johana, 0B	Park, Haesung, 0L
Bliokh, Konstantin Y., 03	Peise, J., 08
Bock, M., 0O	Pezzè, L., 08
Boutaleb, T., 16	Plöschner, Martin, 0Y
Bradshaw, David S., 07, 0W	Popov, S., 0P
Brickman, Joshua M., 0J	Potma, Eric Olaf, 1J
Čižmár, Tomáš, 0Y	Psaltis, Demetri, 1D
Dahal, P., 0C, 0Q	Puthankovilakam, Krishnaparvathy, 0B
Delrot, Paul, 1D	Ramirez-Iniguez, R., 16
Denz, C., 0S	Ritter, Christine M., 0J
Diebel, F., 0S	Rodrigues Ribeiro, R. S., 0C, 0Q
Ertmer, W., 08	Santos, L., 08
Esen, C., 1E	Scharf, Toralf, 0B
Favier, M., 0P	Shi, Lingyan, 10
Galvez, Enrique J., 0R	Simpson, Stephen H., 14
Glückstad, Jesper, 0F, 0H, 1F	Smerzi, A., 08
Grier, David G., 1A	Stensborg, Jan F., 0A
Grunwald, R., 0O	Timotijević, D. V., 0S
Guerreiro, Ariel, 0C, 0Q	Tork Ladani, Faezeh, 1J
Hammerer, K., 08	Tyc, Tomáš, 0Y
Hanna, Simon, 14	Viegas, J., 0C, 0Q
Hasegawa, Satoshi, 1C	Villangca, Mark Jayson, 0F, 0H, 1F
Hayasaki, Yoshio, 1C	Voelkel, Reinhard, 0B
Herzig, Hans-Peter, 0B	Vogler, Uwe, 0B
Jahng, Junghoon, 1J	Wang, W. B., 10
Jorge, P. A. S., 0C, 0Q	Wang, Zongzhao, 0I
Jović Savić, D. M., 0S	Williams, Mathew D., 07
Khajavi, Behzad, 0R	Wyrowski, Frank, 0I
Khan, Ryan Muhammad, 1J	Yde, Leif, 0A
Kim, Myun-Sik, 0B	Yevick, Aaron, 1A
Klempt, C., 08	Zhang, Site, 0I
Köhler, J., 1E	Zyla, G., 1E
Kruse, I., 08	
Ksouri, S. I., 1E	
Lange, K., 08	
Lavery, M. P. J., 10	
LeBrun, Thomas W., 0L	
Lindvold, Lars R., 0A	
Lindwasser, Lukas, 10	
Loterie, Damien, 1D	
Lücke, B., 08	
Mallick, T., 16	
Marque, Paulo, 10	
Modestino, Miguel, 1D	

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(United States)
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- 1 Toast to 10th Year of Complex Light and Optical Forces
David L. Andrews, University of East Anglia (United Kingdom)
- 2 Quantum Aspects
Enrique J. Galvez, Colgate University (United States)
- 3 Microfabrication for Beam Engineering
Mark Jayson Villangca, DTU Fotonik (Denmark)
- 4 Beam Engineering and Applications
Lars R. Lindvold, DTU Risø Campus (Denmark)
- 5 Measurements and Calibration
Tomáš Čižmár, University of Dundee (United Kingdom)
- 6 Superposition Effects
Rüdiger Grunwald, Max-Born-Institut für Nichtlineare Optik und
Kurzeitspektroskopie (Germany)
- 7 Chirality
Lene B. Oddershede, University of Copenhagen (Denmark)
- 8 Modes, Propagation, and Transmission
Sergei Popov, KTH Royal Institute of Technology (Sweden)
- 9 Nanostructures and Near-field
Craig B. Arnold, Princeton University (United States)
- 10 Particle Trapping, Manipulation, and Tracking
Simon Hanna, University of Bristol (United Kingdom)
- 11 Laser Microfabrication and Microassembly
Kishan Dholakia, University of St. Andrews (United Kingdom)
- 12 Optical Forces: Enhancement and Other Effects
David L. Andrews, University of East Anglia (United Kingdom)

Introduction

This year marked the 10th Anniversary Edition of the conference on Complex Light and Optical Forces that is part of Photonics West. We again had a record number of submissions, indicative of the rising visibility and stature of this conference. Indeed, Complex Light and Optical Forces is still the only yearly venue worldwide for presenting research on complex light. This year we did not find a need to organize joint sessions with other conferences at Photonics West.

The 10th anniversary of our conference had three full days of sessions with the following 12 sessions: Toast to 10th Year of Complex Light and Optical Forces; Quantum Aspects; Microfabrication for Beam Engineering; Beam Engineering and Applications; Measurements and Calibration; Superposition Effects; Chirality; Modes, Propagation and Transmission; Nanostructures and Near-field; Particle Trapping, Manipulation, and Tracking; Laser Microfabrication and Microassembly; Optical Forces, Enhancement and Other Effects. The conference featured more than 60 presentations, with numerous invited, contributed, and poster presentations.

Bringing most of these papers to the SPIE proceedings provides a welcome opportunity to thank all the contributors. In particular, we gladly acknowledge the support of the members of our highly active and supportive Program Committee, whose sterling work underpins the success of this conference each year. We remain indebted to the SPIE staff at every level, for reliable management and production processes, achieved with customary hallmark professionalism.

In summary, the present volume is representative of a strongly growing field of photonics that has contributed much to our understanding of light and its applications in manipulation, and which remains leaving much promise of more to come.

Jesper Glückstad
David L. Andrews
Enrique J. Galvez