

# PROCEEDINGS OF SPIE

## ***Optical Trapping and Optical Micromanipulation VII***

**Kishan Dholakia**  
**Gabriel C. Spalding**  
*Editors*

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**Yann R. Chemla**, University of Illinois at Urbana-Champaign (United States)
- 3 Single Molecules on an Optical Rack  
**Michelle D. Wang**, Cornell University (United States)
- 4 Techniques for Studies with Calibrated Forces  
**Jens-Christian D. Meiners**, University of Michigan (United States)
- 5 Photonic Devices for Mechanical Control via Optically Induced Forces  
**Halina H. Rubinsztein-Dunlop**, The University of Queensland (Australia)
- 6 Optical Trapping in Systems with High Dielectric Constant or Index of Refraction  
**Pavel Zemánek**, Institute of Scientific Instruments of the ASCR, v.v.i. (Czech Republic)
- 7 Beyond Optical Tweezers  
**Halina H. Rubinsztein-Dunlop**, The University of Queensland (Australia)
- 8 Statistical Physics with Optical Traps  
**Gabriel C. Spalding**, Illinois Wesleyan University (United States)
- 9 Jump, Twist, and Shout  
**Jesper Glückstad**, Danmarks Tekniske Universitet (Denmark)
- 10 Bake 'n Shake  
**Rubén Ramos-García**, Instituto Nacional de Astrofísica, Óptica y Electrónica (Mexico)
- 11 Materials Science of the Biological Cell Using Optical Force Studies  
**Elliot L. Botvinick**, University of California, Irvine (United States)
- 12 Wiggling, Tickling, and Tugging with Optical Forces  
**H. Daniel Ou-Yang**, Lehigh University (United States)
- 13 Integrated Systems with Optical Manipulation Capability  
**Sean J. Hart**, Naval Research Laboratory (United States)
- 14 Opto-Fluidics and Optical Momentum  
**Carlos López-Mariscal**, University of California, Santa Cruz (United States)
- 15 Soft Matter Studies with Optical Forces  
**Roberto Di Leonardo**, Università degli Studi di Roma La Sapienza (Italy)

- 16 Sophisticated Systems for Optical Trapping and Optical  
Micromanipulation  
**Kishan Dholakia**, University of St. Andrews (United Kingdom)

