

# PROCEEDINGS OF SPIE

## ***Emerging Liquid Crystal Technologies IX***

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## Introduction

As the world's leading conference of liquid crystal optics, photonics, and displays, the 2014 SPIE Photonics West "Emerging Liquid Crystal Technologies IX" conference successfully drew a large and enthusiastic crowd. The conference provided a venue for intellectual and enlightening discussions of the current state and exploration of emerging frontiers of liquid crystal science and technologies in optics, photonics and displays.

The scientific program covered a wide range of topics such as: blue phase materials, LC nanocomposites, liquid crystal metamaterials, optics of lyotropic systems, lasing in LCs, sensing, LCs in infrared optics, LC lenses, holographic and stereoscopic systems, 3D and new display applications, electronic books, and semiconductor/LC hybrid materials. The group of participants included a good number of invited speakers, junior scientists, and graduate students, who gave their research presentations at the conference. Student papers presented at both the oral and poster sessions drew large attendance and heavy traffic. We highly appreciate the program co-chairs and committee for their contributions, which are the foundation of this successful conference.

We look forward to seeing you at "Emerging Liquid Crystal Technologies X" conference in 2015.

**Liang-Chy Chien**  
**Antonio M. Figueiredo Neto**  
**Kristiaan Neyts**  
**Masanori Ozaki**

