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**Liang-Chy Chien**  
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## **Introduction**

Welcome to the proceedings from the 2017 Emerging Liquid Crystal Technologies XII (ELCT-XII) conference. This conference provides a forum for academic and industrial scientists and engineers to present high-impact scientific and technological research on recent advances in materials, devices, and applications. We accepted 58 papers representing the frontier of scientific and technological exploration of liquid crystals in optics, photonics, and display. The ELCT-XII provides an opportunity for enlightened discussions and exchange ideas on frontier science and technologies on advanced liquid crystal materials, and emerging devices and applications.

The Conference Co-chairs and Organizing Committee was thoroughly committed to making your participation at the conference informative, enlightening, and enjoyable as well as productive. We hope you enjoyed the ELCT-XII, and look forward to seeing you in the future conferences.

**Liang-Chy Chien**

