

Oral Presentation

[EP2/DES4]Advanced Electronic Paper Displays and Systems

Chair: Norihisa Kobayashi (Chiba Univ.)

Co-Chair: Haruhiko Okumura (Toshiba)

Thu. Nov 28, 2019 9:00 AM - 10:35 AM Room 107 (1F)

9:00 AM - 9:20 AM

[EP2/DES4-5L(Invited)]High-Performance and Low-Power Full Color Reflective LCD for New Applications

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Keywords:reflective LCD, VA, MRS, IGZO, 1Hz drive

We have developed a reflective LCD with full color video image and low power consumption. 22-inch and 11-inch prototype have achieved excellent optical properties and flicker-less 1Hz driving by a new twisted VA-LC mode, reliable materials, an optimal electrode design with micro reflective structure (MRS), and IGZO-TFT technology.