
Oral Presentation

[MEET5]Micro/NanoDisplays and Nanotechnology Application (1)

Special Topics of Interest on Micro/Mini LEDs

Chair: Poopathy Kathirgamanathan (Brunel University London)

Co-Chair: Kyu Chang Park (KyungHee University)

Fri. Nov 29, 2019 1:20 PM - 2:40 PM Conference Hall (1F)

2:20 PM - 2:40 PM

[MEET5-4(Invited)]Towards High Resolution Active-Matrix GaN μ -LED Based Micro Displays

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Keywords: Micro LED, μ -LED, Micro display, active-matrix, 2D material

We focus on the design/fabrication of active matrix 0.55 inch 1323 ppi micro displays based on GaN μ -LED arrays with Si CMOS driver prepared by flip-chip bonding. The process is optimized for manufacturing. A pioneer work of integrating 2D material transistors with GaN μ -LEDs is also discussed.