

Oral Presentation

[AMD3]Driving Technology of Micro/Mini LED Displays

Special Topics of Interest on Micro/Mini LEDs

Chair: Kazumasa Nomoto (Sony)

Co-Chair: Keisuke Omoto (Apple)

Wed. Nov 27, 2019 5:00 PM - 6:35 PM Mid-sized Hall B (1F)

6:15 PM - 6:35 PM

[AMD3-4]Active Matrix Monolithic Full-Color LED Micro Display

*Longheng Qi¹, Xu Zhang¹, Wing Cheung Chong¹, Peian Li¹, Chak Wah Tang¹, Kei May Lau¹ (1. The Hong Kong University of Science and Technology (Hong Kong))

Keywords:Active matrix, Full-color, Micro-LED, QDs-PR

An active matrix monolithic full-color LED micro-display is demonstrated, combining monolithic blue GaN-on-Si LED array and quantum dots down conversion technology. This full-color scheme shows feasible manufacturability and visual quality, paving a new pathway toward volume production of full-color LED micro-display in the near future.