Micro LED Display

Special Topics of Interest on Micro/Mini LEDs

Chair: K Käläntär (Global Optical Solutions)
Co-Chair: Seiji Shibahara (Sony Home Entertainment & Sound Products Inc.)

Thu. Nov 28, 2019 9:00 AM - 10:20 AM Mid-sized Hall A (1F)

9:00 AM - 9:20 AM

High-Resolution (1,000 to over 3,000 ppi) Full-Color "Silicon Display" for Augmented and Mixed Reality

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Keywords: microdisplay, colour-converted micro-LED, near to eye, quantum dot, high brightness

We present the status of III-nitride micro-LED display bonded onto silicon backplane. 0.38-inch full-colour display with a resolution of 1,053 ppi has been successfully demonstrated. Progress toward higher resolution is also described. We believe our “Silicon Display” is ideally suited for near-to-eye displays for augmented and mixed reality.