smile

Webinar

Revolutionary microLED technology made accessible via EU-Project SMILE

Light-emitting-diodes (LED) based on Gallium Nitride (GaN) technology are a revolution in modern lighting due to high efficiency – especially when sizes go down to a few microns-, longer lifetime and wide range of wavelengths. Thanks to the cooperation of several outstanding partners from Europe, the revolutionary microLED-platform SMILE has been developed as part of an EU-funded project. SMILE is an acronym for "Structured Micro Illumination Light Engine" and will enable an enormous variety of novel applications in the future. With full scalability in terms of pixel numbers, fast switching speed of freely programmable optical patterns, high optical power, multiple wavelengths, and the possibility of mass production, SMILE is the next generation of lighting technology. SMILE technology is addressing quickly increasing markets and application such as AR glasses, photonic sensors, image projection, chip-based holographic microscopy and several more.

Tuesday, June 13

2:00 – 3:30 pm [CEST]

Register to Participate:
Link

The webinar will provide an overview of the EU project SMILE including CMOS Development for Microdisplays, microLED Array Technology, Simulation Emission Characteristics of microLED Arrays as well as fascinating applications of SMILE Technology. The speakers from QubeDot GmbH, Universitat de Barcelona, Technische Universität Braunschweig and Universita degli Studi di Roma Tor Vergata warmly welcome your participation.

Join the revolution and experience the future of lighting technology with SMILE.

Agenda

2:00	Welcome and Project Outline Prof. J. Daniel Prades – Universitat de Barcelona
2:05	Presentation European Innovation Council Ivica Cubic - European Commission
2:10	Introducing and Application of SMILE Technology Dr.-Ing. Heiko Brüning – QubeDot GmbH
2:25	CMOS Development for Microdisplays Dr. Joan Canals – Universitat de Barcelona
2:40	Q&A Session
2:45	MicroLED Array Technology Prof. Dr. Andreas Waag - Technische Universität Braunschweig
3:00	Simulating Emission Characteristics of microLED Arrays Prof. Matthias Auf der Maur - Università degli Studi di Roma Tor Vergata
3:15	Q&A Session
3:25	Closing Words

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