Photonics Hub Symposium

Microdisplays 2019

Day 1 – October 29th in Hanau, Germany

11:00	**Welcome**
OLED SESSION	
11:05	**OLED Microdisplays for Smart Eyewear and Sensing** *Dr. Uwe Vogel, Fraunhofer FEP*
11:30	**Make it Bright – OLED at Merck** *Florian Maier-Flaig, Merck KGaA*
11:55	**Microdisplays for Wearable Augmented Reality** *Gunter Haas, MICROOLED*
LUNCH BREAK	
MICROLED SESSION	
13:45	**High-resolution, active-matrix, 10-µm pixel-pitch GaN LED microdisplays for Augmented Reality applications** *Dr. Ludovic Dupré, CEA Leti*
14:10	**MicroLED Displays - Pathway Towards High Volume MOCVD Processing** *Prof. Dr. Michael Heuken, Aixtron SE*
14:35	**GaN on Silicon-based MicroLEDs for Microdisplays** *Dr. Wei Sin Tan, Plessey Semiconductors*
COFFEE BREAK	
BACKEND PROCESSING SESSION	
15:45	**Vacuum coating solutions for micro LED/displays** *Dr. Stefan Seifried, Evatec AG*
16:10	**Optical Testing of Microdisplays in Production and Laboratory** *Tobias Steinel, Instrument Systems Optische Messtechnik GmbH*
16:35	**Tailored materials and processes for application in displays and microoptics** *Dr. Sönke Steenhusen, Fraunhofer ISC*
DINNER (6 pm)	

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Day 2 – October 30th in Hanau, Germany

09:00	**Welcome**
DLP® SESSION	
09:05	**Microdisplay technologies for projection and their characteristics** *Edmund Schaller, bbs bild- und lichtsysteme GmbH*
09:30	**Pixel Shifting and Laser Speckle Reduction** *Mark Ventura, Optotune AG*
09:55	**DLP – LED solutions for Pico Projection using etendue-matched micro displays** *Edwin van der Zwart, Luminus Devices, Inc.*
COFFEE BREAK	
LCOS SESSION	
11:00	**Analog Micro Mirror Arrays for Spatial Light Modulation** *Dr. Michael Wagner, Fraunhofer IPMS*
11:25	**Holographic projection with microdisplays** *Martin Teich, SeeReal Technologies GmbH*
11:50	**LCOS Microdisplay Technology in Photonics Applications** *Sven Krüger, HOLOEYE Photonics AG*
LUNCH BREAK	
APPLICATION SESSION	
13:45	**AR/VR/MR: Requirements, Challenges and Solutions** *Prof. Dr. Karlheinz Blankenbach, University of Applied Sciences Pforzheim*
14:10	**Solving the Vergence/Accommodation Conflict with Liquid Lenses** *Mark Ventura, Optotune AG*
14:35	**Augmented reality in plant engineering: Use of smart glasses in after-sales service** *Nils Arnold, Adtance GmbH*
15:00	**Augmented reality applications in logistics** *Tim Uhlott, Fraunhofer IML*
END OF EVENT	