

13th International Symposium on Emerging and Industrial Texas Instruments DLP[®] Technology Applications

Date: Oct 23, 2018

Time: 09:30 h – 17:10 h

Location: Congress Park Hanau, Germany

Program and Schedule

Welcome by Organizers

09:30 h **Key Note - DLP[®] Technology Driving Next-Gen Display and Light Control Systems**
Srikanth Gurrapu, Texas Instruments

Applications Session

10:00 h **Microneedles for Glucose Level Monitoring, printed with DLP-based Micro Stereolithography**
Bernhard Lutzer, In-Vision GmbH

10:30 h **Laser Direct Imaging Technology for High Density Interconnect Processes**
Lars Böttcher, Fraunhofer IZM

11:00 h Coffee break

11:40 h **Holographic Endoscopy for In-vivo Applications**
Dr. Sergey Turtaev, Prof. Tomáš Čížmár, Leibniz Institute of Photonic Technology, Jena

12:10 h **New Generation Optical Instruments with Spatial Light Modulator for Space Applications**
Alexandre Pollini, CSEM SA

12:40 h Lunch break

14:00 h **On-board processing of DLP pattern sequences for high-efficient data transfer in industrial exposure applications**
Dr. Roland Höfling, ViALUX GmbH

14:25 h **Cost Optimized DLP Spectrometer with DLP4500NIR**
Adam Kunzman, Keynote Photonics

Technology session

- 14:50 h **Some Lens Design Challenges and Concepts in Industrial DLP Applications**
Prof. Dr. Udo Rohlfing
- 15:15 h Coffee break
- 15:50 h **UV LEDs for DLP Applications**
Murali Kumar, Luminus Devices
- 16:10 h **LED Duty Cycle – Impacts on Thermal Management**
Marcel Friedemann, Visitech Engineering GmbH
- 16:30 h **High-luminance light sources – from LED via LARP to pure LASER**
Dr. Jürgen Müller, TQ Technology Co., Ltd.
- 16:50 h **Ceramic converters for laser pumped, photoluminescent light sources in DLP Applications**
Dr. Volker Hagemann, Schott AG
- 17:10 h Closing words and end of event

Moderation: Alfred Jacobsen, OpSys Project Consulting

Exhibitors 2018

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- design!struktur
- Hansamatrix
- In-Vision Digital Imaging Optics GmbH
- Keynote Photonics
- Optotune AG
- Swarovski Optik KG
- TI Advanced Light Control
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