

# 10<sup>th</sup> International Symposium on Emerging and Industrial Texas Instruments DLP<sup>®</sup> Technology Applications

Date: Oct 07, 2015  
Time: 09:30 h – 17:00 h  
Location: Hilton Hotel, Mainz, Germany

## Program and Schedule

09:30 h Welcome by Organizers

09:35 h **Key Note**  
**Lights. Camera. Innovation. DLP Technology in Industrial and Automotive Applications**  
Mariquita Gordon, Texas Instruments

## Applications Session

10:05 h **Using DLP Technology in Industrial 3D Printing**  
André-Luc Allanic, Prodways

10:25 h **DLP projector applications for 3D printing and the importance of software**  
Johan Troukens, Materialise  
Uwe Brick, Young Optics Europe GmbH

10:45 h Coffee break

11:10 h **MLA (Maskless Aligner) - The Next Generation of Direct Light Lithography**  
Steffen Diez, Heidelberg Instruments GmbH

11:30 h **Utilization of digital micromirror devices (DMD) for large stencil production under influence of high power UV light**  
Tommy Gmünder, Signtronic AG

11:50 h **A novel technique of Piezo based stepping to improve pixel integrity and exposure power in DMD scroll lithographic applications**  
Awais Anjum, Alkaman Inc.

- 12:10 h **Advanced Thermographic Testing using DLP technology**  
**Erik Thiel, Fed Institute for Materials Research and Testing**
- 12:30 h Lunch break
- 14:00 h **Video-confocal Superresolution Microscopy based on DLP technology**  
**P. A. Benedetti, IPCF-CNR**
- 14:20 h **In vitro Cell Selection through DLP Spatially Selective Photosensitizer activation**  
**Szymon Zelewski, Wroclaw Research Centre EIT+**
- 14:40 h **DLP Applications in Industrial Metrology and Vision Science**  
**Florian Bayer, Zeiss Automated Inspection GmbH & Co. KG**
- 15:05 h **DLP projection at extreme speed – characteristics, modules, and applications in 3D technology**  
**Dr. R. Höfling, ViALUX GmbH**
- 15:30 h Coffee break

#### **Technology session**

- 16:00 h **Tips and Tricks in designing optics around the DLP chipset to maximize the performance in industrial applications**  
**Gavin Perella, Texas Instruments**
- 16:20 h **High power UV light sources and New Light Engine platforms**  
**Bjorn Vee, Visitech Group**
- 16:35 h **Low cost wobulator – how to increase perceived DLP resolution**  
**Mark Ventura, Optotune AG**
- 16:50 h **CEL6500-3D: A Professional-grade 3D Printer Optimized Solution**  
**Jorge Moguel, DLInnovations**
- 17:05 h **Laser-enhanced feature resolution for manufacturing processes incorporating DLP technology**  
**Georg Fercher, In-Vision GmbH**
- 17:20 h Closing words and end of event  
Alfred Jacobsen, OpSys Project Consulting

Moderation: Alfred Jacobsen, OpSys Project Consulting



### **Exhibitors (Oct. 07, 2015)**

Design!Struktur	DLInnovations
Greenlight Optics	In-Vision
Keynote	Optotune
TI Advanced Light Control	TI Automotive
TI Pico	ViALUX
Visitech	Wintech

### **Networking Dinner**

18:30 h **Networking Dinner**  
Relax from a long day full of presentations and demonstrations during an invited dinner and meet the experts from Texas Instruments and DLP Design House partners.

# TI Training Day

## Enabling New Growth Markets and Applications with DLP® Technology

Date: Oct. 08, 2014

Time: 08:30 h – 15:30 h

Location: Hilton Hotel, Mainz, Germany

### Program and Schedule

- 08:30 h Welcome and Introduction
- 08:35 h **Optimizing System Design using DLP Products**  
Trevor Dowd
- 09:30 h Break
- 09:45 h **Scalable 3D Structured Light SDK for Machine Vision Systems**  
Sanjeev Kumar
- 11:00 h **Bring Smart Display Capabilities to existing products and enhance user experience**  
Christian Thevot
- 12:00 h Lunch break
- 13:00 h **Hands-on Workshop: Analyze materials in the palm of your hand using the latest DLP spectroscopy solutions**  
Trevor Dowd, Sanjeev Kumar and Gavin Perella
- 14:30 h Break
- 14:45 h **Advanced Pixel Level Light Control Made Easy with DLP Development Tools**  
Trevor Dowd
- 15:30 h Closing remarks
- 15:45 h End of event

Moderation: Srikanth Srik Gurrapu, Texas Instruments

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