Conference Program

Morning Session

Key Note
Georgina Park, Texas Instruments Inc.

System Design Considerations for DMD-based High Demagnifications Systems (Broadband and Laser)
Benjamin Lee, Texas Instruments Inc.

Update on High Performance LEDs for Projector Applications – New Form Factors, New Wavelengths
Michael Lim, Luminus Devices

Making DLP Easier to Use for Mid- to High-Performance Applications
Adam Kunzman, Keynote Photonics

Noon Session

Challenges in High Accuracy DLP Exposure Systems
Endre Kirkhorn, Visitech AS

Comparison of Designs Using DLP versus LCoS – Problems Arising from Polarization.
Dr. Alexandra Müller, In-Vision Digital Imaging Optics GmbH

Longterm Preservation of Data with DLP
Rune Bjerkestrand, Cinevation AS

Conference Program

Afternoon Session

Advanced Photopolymer-based Additive Manufacturing Systems Using High Performance Light Sources
Simon Gruber, Technical University Vienna

DLP Solution for Industrial Exposure
Dr. Roland Höfling, ViALUX GmbH

Application of DMD: Fabrication of Random Rough Surfaces with Prescribed Statistics
Vincent Brissonneau, IM2NP – Aix Marseille University

3D Vision Sensors and Application
Christian Benderoth, GFMesstechnik GmbH

Exhibition

- Texas Instruments Inc.
- Visitech AS
- Optence e.V.
- Design!Struktur
- GFMesstechnik GmbH
- BTE Bedampfungstechnik GmbH
- OpSys Project Consulting
- In-Vision Digital Imaging Optics GmbH
- ViALUX GmbH
During the past years a wide variety of industrial and scientific applications have been developed, such as spectroscopy and hyperspectral imaging in medicine, chemistry and geology applications, medical and life-science applications, UV applications in lithography, materials processing and rapid prototyping, optical metrology systems for quality inspection, processing inspection and manufacturing, or applications in optical networking.

Other new fields are coming into view such as augmented reality, head-up displays, holographic data storage, NIR projection systems, neuroscience imaging, volumetric displays, etc.

The technical presentations in the conference program cover the many challenging aspects of DLP product development, including:

- New DLP and DLP Discovery product platforms
- Light source selection and their technical challenges
- Optical system concepts
- Electronics hardware, firmware and software
- System integration aspects

As a trigger for new product developments several presentations focus on application examples or relate closely to application aspects. Innovative product concepts are highlighted that give examples for successful market introductions in industrial DLP applications.

Sponsored by:

**In-Vision Digital Imaging Optics GmbH**
Guntramsdorf, Austria

**Visitech AS**
Drammen, Norway

**Texas Instruments Inc. - Plano, TX, USA**

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**Photonik**

**BioPhotonik**

Registration Fees:
140,00 Euro (until Oct. 05, 2012) 180,00 Euro (after Oct. 05, 2012)

Members of German Photonics Networks (KNOT)
120,00 Euro (until Oct. 05, 2012) 160,00 Euro (after Oct. 05, 2012)

Cancellations prior to Oct. 20, 2012 free of charge; full fee applies from Oct. 20, 2012

Registration at www.dlp-symposium.com

For general questions please contact:
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Location
Chamber of Industry and Commerce (IHK Frankfurt am Main)
Ludwig-Erhard-Saal · Börsenplatz 4 · 60313 Frankfurt/Main · Germany

Parking Options during DLP®-Symposium
Parking Garage „Börse“ · Meisengasse, Frankfurt/M
Parking Garage „Schiller-Passage“ · Taubenstraße 11, Frankfurt/M
7th International Symposium on Emerging and Industrial DLP® Applications

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Visitech AS
Drammen, Norway

In-Vision Digital Imaging GmbH
Guntramsdorf, Austria

Date: October 30, 2012
Time: 09:30 h – 17:00 h
Location: Chamber of Industry and Commerce (IHK Frankfurt am Main)
Ludwig-Erhard-Saal
Börsenplatz 4, 60313 Frankfurt/Main, Germany

Program and Schedule

09:30 h Welcome by Organizers
09:40 h Key Note
Dylan Thomas, Texas Instruments Inc.
System Design Considerations for DMD-based High Demagnifications Systems (Broadband and Laser)
Benjamin Lee, Texas Instruments Inc.
10:20 h  Update on High Performance LEDs for Projector Applications – New Form Factors, New Wavelengths  
Robert de Jonge, Luminus Devices

10:50 h  Coffee break

Alexandra Müller, In-Vision Digital Imaging Optics GmbH

11:45 h  Making DLP Easier to Use for Mid- to High-Performance Applications  
Adam Kunzman, Keynote Photonics

12:15 h  Lunch break

14:00 h  DLP Solution for Industrial Exposure  
Dr. Roland Höfling, ViALUX GmbH

14:30 h  Longterm Preservation of Data with DLP  
Rune Bjerkestrand, Cinevation AS

15:10 h  Coffee break

15:50 h  Application of DMD: Fabrication of Random Rough Surfaces with Prescribed Statistics  
Vincent Brissonneau, IM2NP - Aix Marseille University

16:20 h  Advanced Photopolymer-based Additive Manufacturing Systems Using High Performance Light Sources  
Simon Gruber, Technical University Vienna

16:40 h  3D Vision Sensors and Application  
Christian Benderoth, GFMesstechnik GmbH

17:00 h  Closing words and end of event  
Alfred Jacobsen, OpSys Project Consulting

Moderation:  Alfred Jacobsen, OpSys Project Consulting
Foyer Exhibit:

- BTE Beschichtungstechnik GmbH, Germany
- Design!Struktur, Germany
- GFMesstechnik GmbH, Germany
- In-Vision Digital Imaging GmbH, Austria
- OpSys Project Consulting, Germany
- Optence e.V., Germany
- Texas Instruments Inc. DLP Products, USA
- ViALUX GmbH, Germany
- Visitech AS, Norway