

## 7<sup>th</sup> International Symposium on Emerging and Industrial DLP® Applications

Frankfurt/Main, Germany  
Conference Center IHK Frankfurt  
**October 30<sup>th</sup>, 2012**

[www.dlp-symposium.com](http://www.dlp-symposium.com)

### 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

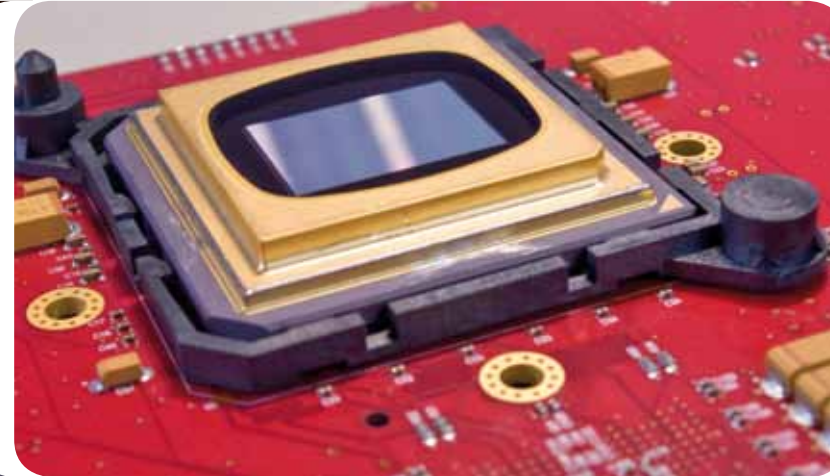
##### 3D Vision Sensors and Application

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

Register at  
[www.dlp-symposium.com](http://www.dlp-symposium.com)



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.

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In-Vision Digital Imaging Optics GmbH  
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### 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](http://www.dlp-symposium.com)

### For general questions please contact:

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### For questions on the registration process please contact:

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[reuter@optence.de](mailto:reuter@optence.de)

### 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



with



# 7<sup>th</sup> International Symposium on Emerging and Industrial DLP® Applications

Sponsored by:

**VISITECH**

Visitech AS  
Drammen, Norway

**in-VISION**<sup>®</sup>  
a *Digital Imaging*<sup>®</sup> Company

In-Vision Digital Imaging GmbH  
Guntramsdorf, Austria

**DLP**<sup>®</sup>  
**TEXAS INSTRUMENTS**

Texas Instruments Inc.  
Plano, TX, USA

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.

with



- 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
- 11:15 h Comparison of Designs Using DLP versus LCoS –  
Problems Arising from Polarization.  
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

with



**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