

6th International Symposium on Emerging and Industrial DLP® Applications

Frankfurt/Main, Germany
Conference Center IHK Frankfurt
November 3rd, 2011

www.dlp-symposium.com

Conference Program

Morning Session

Key Note: On the DLP Horizon

Paul Rancuret, Texas Instruments Inc.

Focus Topic: Thermal Considerations for Pulsed Lasers

Benjamin L. Lee, Texas Instruments Inc.

Laser Speckle Reduction with Oscillating Diffusers

Mark Blum, OptoTune AG

Nichia – UV LED Product Overview

Thomas Lott, Alina Kiriletz, Nichia Chemical Europe GmbH

Optimize Digital Exposure to Light Sensitive Media

Endre Kirkhorn, Visitech AS

Noon Session

DLP Systems for Additive Manufacturing of Advanced Ceramic Materials

Johannes Patzer, University of Vienna

DLP System for Rapid Prototyping: Illumination and Imaging Configurations

Alexandra Müller, In-Vision Digital Imaging Optics GmbH

Diffraction Optical Elements in Use with DMD

Yuval Kapellner, EKB Technologies

Conference Program

Afternoon Session

Successful Evaluation of 2048x1080 DMD for Space Applications

Frederik Zamkotsian, Observatoire Astronomique de Marseille-Provence

Mosaic: a DMD-based Optical Device for Active Illumination. Principle and Applications in Life Sciences.

Bruno Combettes, Andor Technology

The Compact Embeddable Light Engine, Description and Applications

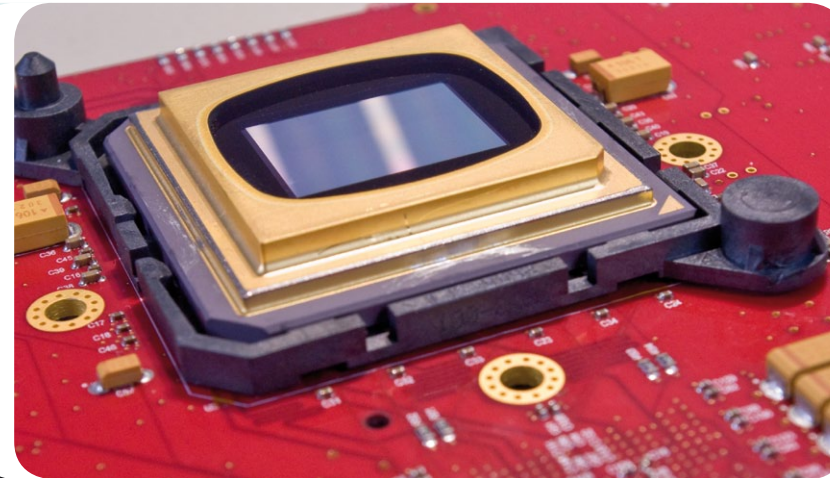
Scott Dewald, Digital Light Innovations

Exhibition

- Texas Instruments Inc.
- Visitech AS
- Optence e.V.
- Design!Struktur
- ViALUX GmbH
- BTE Bedampfungstechnik GmbH
- OpSys Project Consulting
- In-Vision Digital Imaging Optics GmbH
- Optotune AG
- GFMeStechnik GmbH

Register at

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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Visitech AS
Drammen, Norway



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Registration Fees:

Members of Competence Networks (KNOT)

120,00 Euro (until Oct. 10, 2011) 160,00 Euro (after Oct. 10, 2011)

Others

140,00 Euro (until Oct. 10, 2011) 180,00 Euro (after Oct. 10, 2011)

Cancellations prior to Oct. 24, 2011 free of charge;

full fee applies from Oct. 24, 2011

For general questions please contact:

OpSys Project Consulting · Mr. Alfred Jacobsen
Hauptstraße 3a · 35641 Schoeffengrund · Germany
Tel +49 (0) 6445 6125090 · Fax +49 (0) 6445 7679
office@opsysconsult.com

For questions on the registration process please contact:

Optence e.V. · Mrs. Daniela Reuter
Ober-Saulheimer-Straße 6 · 55286 Wörrstadt · Germany
Tel +49 (0) 6732 935122 · Fax +49 (0) 6732 935123
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



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Visitech AS
Drammen, Norway

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Guntramsdorf, Austria

DLP[®]
TEXAS INSTRUMENTS

Texas Instruments Inc.
Plano, TX, USA

Date: November 03, 2011

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

with



Program and Schedule

- 09:30 h Welcome by Organizers
- 09:40 h Key Note: On the DLP Horizon
Paul Rancuret, Texas Instruments Inc.

Focus Topic: Thermal Considerations for Pulsed Lasers
Benjamin L. Lee, Texas Instruments Inc.
- 10:20 h Laser Speckle Reduction with Oscillating Diffusers
Mark Blum, OptoTune AG
- 10:50 h Coffee break
- 11:15 h Nichia – UV LED product overview
Thomas Lott, Alina Kiriletz, Nichia Chemical Europe GmbH
- 11:45 h Optimize Digital Exposure to Light Sensitive Media
Endre Kirkhorn, Visitech AS
- 12:15 h Lunch break
- 13:45 h DLP Systems for Additive Manufacturing of Advanced Ceramic Materials
Johannes Patzer, University of Vienna
- 14:10 h DLP-System for Rapid Prototyping: Illumination and Imaging Configurations
Alexandra Müller, In-Vision Digital Imaging Optics GmbH
- 14:40 h Diffractive Optical Elements in Use with DMD
Yuval Kapellner, EKB Technologies
- 15:10 h Coffee break

with



- 15:50 h Successful Evaluation of 2048x1080 DMD for Space Applications
Frederik Zamkotsian, OAMP
- 16:20 h Mosaic: a DMD-based Optical Device for Active Illumination. Principle and
Applications in Life Sciences.
Bruno Combettes, Andor Technology
- 16:40 h The Compact Embeddable Light Engine, Description and Applications
Scott Dewald, Digital Light Innovations
- 17:00 h Closing words and end of event
Alfred Jacobsen, OpSys Project Consulting

Foyer Exhibition

BTE Beschichtungstechnik Elsoff GmbH, Germany
Design!Struktur U. Bernatzki, Germany
GFMesstechnik GmbH, Germany
In-Vision Digital Imaging GmbH, Austria
OpSys Project Consulting, Germany
Optence e.V., Germany
Optotune AG, Switzerland
Texas Instruments Inc., USA
ViALUX GmbH, Germany
Visitech AS, Norway