



Photonik Zentrum Hessen
in Wetzlar AG



EUROPAISCHE REGION
Europäischer Fonds für
regionale Entwicklung



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2nd International Symposium on Emerging and Industrial DLP® Applications



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Visitech AS, Drammen, Norway



Texas Instruments Inc., Plano, TX, USA

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Guntramsdorf, Austria



Chambers of Commerce and Industry
in Dillenburg and Wetzlar

Registration

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- I will attend the 2nd International Symposium on Emerging and Industrial DLP® Applications
- I am member of a Competence Network Optical Technology (KNOT)

Name _____

Company _____

Department _____ Position _____

Street/P.O.Box _____

City/Postal Code/Country _____

Phone _____

Fax _____

E-Mail _____

Date/Signature _____

Location

Center for High Tech and Culture

Ernst-Leitz-Saal and Moritz-Hensoldt-Saal,
Steinbühlstraße 15 C, 35578 Wetzlar, Germany



Attendance Fees

Members of Competence Networks (KNOT)	120,00 Euro (until Oct. 31, 2007)
	150,00 Euro (after Oct. 31, 2007)
Others	140,00 Euro (until Oct. 31, 2007)
	170,00 Euro (after Oct. 31, 2007)

Cancellations prior to Nov. 9, 2007 free of charge; full fee applies after Nov. 9, 2007. Prices excl. VAT.

Hotel Recommendations

Int. Standard	Hotel Mercure, Wetzlar www.mercure.com (5 min by car)
Comfort	Hotel Blankenfeld, Wetzlar www.hotel-blankenfeld.com (3 min by car)
Good Value	Hotel Spilburg, Wetzlar www.hotel-spilburg.de (3 min walking)

Program and Schedule

Industrial micro display systems and engines using Texas Instruments' DLP® technology have conquered diversified fields of application such as photo chemistry, displays, optical computing and image processing, or structured illumination solutions. Each of these categories again comprises a wide span of technical solutions covering the entire range of the UV, IR and visible part of the spectrum, serving more than 70 diverse applications.

In Photo Chemistry, applications can be found in lithography as well as in Photo finishing and Film recording and also a vast number of medical applications including eye and skin treatment, biotechnical and genomics applications. Display solutions use the speed of the DLP® displays for volumetric and 3D visualization and again concentrate on medical, biotechnical and chemical applications. But even 3D-projection for consumer applications has recently been demonstrated.

In the field of Optical computing DLP® micro displays are used primarily in holographic data storage systems. Image processing applications can be found in metrology, inspection and machine vision systems. Structured illumination features applications in spectroscopy, microscopy or laser operation.

Texas Instruments' DMD Discovery™ product line is an excellent platform to build on product developments and it is continuously extended to serve additional demands in display resolution, spectral range or electronics. In addition, special and customized solutions are facilitated through close cooperation with Visitech AS, providing access to displays and chipsets used in the projection segment.

To shade additional light onto challenges and opportunities of product development and to provide some more detailed insight into applications, the Photonik Zentrum Hessen, the photonics network Optence and OpSys Project Consulting are jointly organizing the 2007 Symposium on emerging and industrial DLP® applications.

Date: November 27, 2007

Time: 09:30 h – 17:00 h

Welcome: Wolfram Dette,
Mayor of Wetzlar (requested)

Welcome: Photonik Zentrum Hessen in Wetzlar AG
Dr. Norbert Lauinger, CEO

Program:

- **Key Note presentation:**
DLP® Technology: Products and Channels, Field of Applications, Technology News
Eric Braddom, Texas Instruments Inc.
- **Light Sources:**
Light Sources for Microdisplay applications
Ad van den Brandt, Philips Lighting
- **Light sources and Illumination systems:**
LED Illumination Optics for Imagers
Dr. Peter Schreiber, Fraunhofer IOF
- **System integration:**
Building Blocks in DLP® Formatter development
Øyvind Tafjord, Visitech AS
- **Optical system:**
Illumination and Imaging Optics for a DLP®
Photostimulation System
Prof. Erhard Ipp, In-Vision Digital Imaging GmbH
- **Imaging Optics:**
Optical Solutions for DLP(r) Applications
Holger Sehr, Carl Zeiss AG

- **Special components:**
Micro- and Nano-structured Components
in Optical Systems
Prof. Theo Tschudi, PZH in Wetzlar AG

- **DLP® Industrial Applications:**
Spectrally Programmable Light Engine Driven
Endoscopy Applications
Dr. Ulrich Stange, OneLight Corp.

3D-Monitor for Medical Applications
Hartmut Runge

Dynamic Micromirror Uncaging:
A New Tool to study Neuronal Network Physiology
Dr. Clemens Boucsein, University of Freiburg

Augmented Astronomical Telescope:
A DLP Application in Astronomy
Dr. Andrei Lintu, MPI for Informatics

Moderation:

Alfred Jacobsen, OpSys Project Consulting

Product Show:

Products and services from development partners
in emerging and industrial DLP® applications and from
companies of the Optics Cluster Wetzlar.

Conference Language:

English

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