

Tuesday 07.09.2010

- from 09:20 **Application and Registration**
- 09:50 **Welcome**
- Keynote**
10:00 *Prof. Frank Vollertsen*
(BIAS Bremer Institut für angewandte Strahltechnik GmbH)
Chances and Challenges due to Laser Beam Quality in Material Processing
- Optics and its Qualification**
10:45 *Dr. Ralf Ledworuski*
(Scansonic MI GmbH)
High Power Laser Processing Optics - a Challenge for beam Forming?
- 11:15 **Break**
- 11:45 *Magnus Pålsson (Optoskand AB)*
Influence of Thermal Load on the Behavior of Laser Optics
- 12:15 *Jürgen-Michael Weick*
(TRUMPF Werkzeugmaschinen GmbH & Co. KG)
Variable Processing optic for Cutting Applications using disc Lasers
- 12:45 **Lunch break**
- 14:15 *Dr. Otto Märten, Dr. Harald Schwede*
(PRIMES GmbH)
Systematic Evaluation of Laser Optics
- Beam Diagnostics assist Quality Assurance in Industrial Manufacturing**
14:45 *Dr. Stefan Kaieler (Fraunhofer ILT)*
Optimizing laser based Production – Synergy by Process Monitoring and Beam Diagnostics
- 15:15 *Sebastian Kaufmann, Jürgen Metzger*
(TRUMPF Laser- und Systemtechnik GmbH)
Beam Diagnostics in Laser Cladding Applications
- 15:45 **Break**
- 16:15 *Johannes Trbola (de.LIGHT Lasersolutions)*
Automated Power Measurement for the Laser Material Processing in Automotive Production
- 16:45 *Stefan Wolf (PRIMES GmbH)*
High-End Diagnostics System in Industrial Manufacturing using Brilliant Lasers
- 17:15 *Jürgen Berndl (BMW Group)*
Quality Assurance for Automotive Laser Applications
- 17:45 **User forum, Dinner and Get Together**

Wednesday 08.09.2010

- 09:20 **Welcome**
- Current Laser Beam Sources and Applications**
09:30 *Peter Olschowsky*
(TRUMPF Laser GmbH & Co. KG)
Vapor Pressure Fusion Cutting - a new Remote Cutting Technology
- 10:00 *Berthold Kessler*
(IPG Laser GmbH)
Beam Guiding for high Brilliant Fiber Lasers
- 10:30 *Dr. Wolfram Rath*
(Rofin Sinar Laser GmbH)
New Laser Material Processing by Scanning Techniques
- 11:00 **Break**
- 11:30 *Wolfgang Horn*
(DILAS Diodenlaser GmbH)
Investigation of customized Diode Laser Beams
- 12:00 *Prof. Flemming Olsen*
(IPU Lyngby Denmark)
Multibeam Laser Cutting with single mode Fiber Lasers
- 12:30 **Lunch break**
- Diagnostics in Industrial Environment**
14:00 *Klaus Hänsel*
(PRIMES GmbH)
Beam Diagnostics linked to Industrial Laser Beam Applications
- 14:30 *Dr. Reinhard Kramer*
(PRIMES GmbH)
Outlook – Requirements and Trends in Beam Diagnostics
- 15:00 **Break - Transfer**
- from 16:00 **Conclusion of the Workshop at PRIMES GmbH with visitation and presentations.**

Subject to change



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