

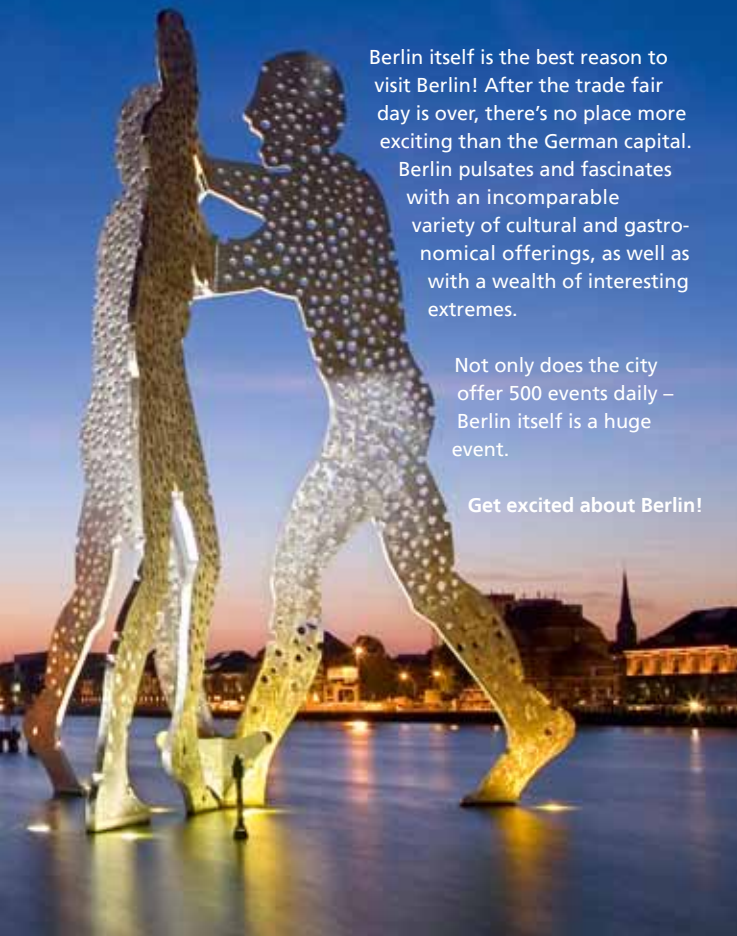


Welcome to the creativity-obsessed metropolis of Berlin

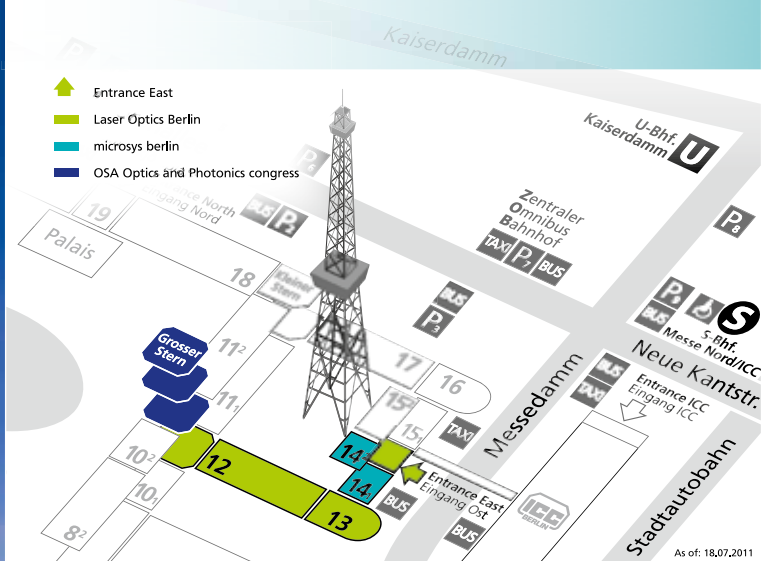
Berlin itself is the best reason to visit Berlin! After the trade fair day is over, there's no place more exciting than the German capital. Berlin pulsates and fascinates with an incomparable variety of cultural and gastronomic offerings, as well as with a wealth of interesting extremes.

Not only does the city offer 500 events daily – Berlin itself is a huge event.

Get excited about Berlin!



Important dates



Dates:

Exhibition: 19–21 March 2012
Congress: 20–21 March 2012

Venue:

Berlin Exhibition Grounds / Entrance East
Messedamm 22
14055 Berlin

Opening hours:

19–20 March, 10 a.m. to 5 p.m.
21 March, 10 a.m. to 4 p.m.

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μ microsyst berlin
Micro-Optics and Micro-Optical Systems

19 – 21 March 2012



In conjunction with:

LASER OPTICS BERLIN
International Trade Fair and Congress

The microsyst berlin congress programming committee

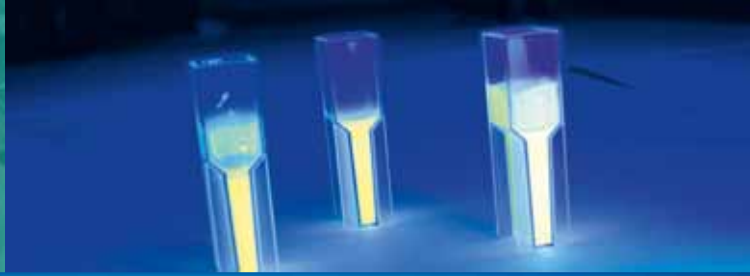
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Members of the programming committee

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- Dr. Martin Zorn, JENOPTIK Diode Lab GmbH, Berlin





Small systems with a big future – microsys berlin takes a new direction



microsys berlin congress 20 – 21 March 2012

Microsystems technology is booming.

Berlin is the third-largest microsystems technology cluster in Germany. Numerous companies have set up establishments in the Berlin area based on its excellent research landscape. In the Berlin-Brandenburg region there are around 250 small to mid-sized companies operating in the areas of sensors and measurement technology, component and module manufacturing, micro-optics, optoelectronics and laser technology.

As a combination of exhibition and lecture program, microsys berlin is now breaking new ground in terms of content and structure: From now on, microsys berlin (19-21 March 2012) will take place parallel to Laser Optics Berlin – International Trade Fair and Congress for Optical and Laser Technologies – at the Berlin exhibitions grounds. Its new focus is on the presentation of common fields of application between optical technologies and microsystems technology.

Products and services

Main focus:
micro-optics and micro-optical systems

- System design, system integration, reliability
- Materials, components
- Technologies, manufacturing processes
- Micro-optical systems
- Applications
- Education & training

Congress topics

LED Packaging & System Integration

- Status Quo and Trends
- LED-Drivers – Setup Configurations, Functional Options, Energy Efficiency
- Thermal Design, Cooling and Thermal Management
- Color Perception and Conversion
- LED Structure, Optical Design, Configuration
- Environmental Aspects to LED Implementation
- Thermo-Mechanical Reliability of LED Superstructures
- Qualification and Failure Analysis

Photonic Components and Packaging

- WideBaSe – Wide Bandgap Semiconductors
- Portable Displays
- Wafer Level Packaging
- Photonic Packages and Substrate Integration
- Assembly Technique/Surface Mounting on Large-Sized Substrates
- Optical Connectivity
- Electro-Optical Integration
- Automation and Self-Adjusting Processes
- Reliability and Qualification

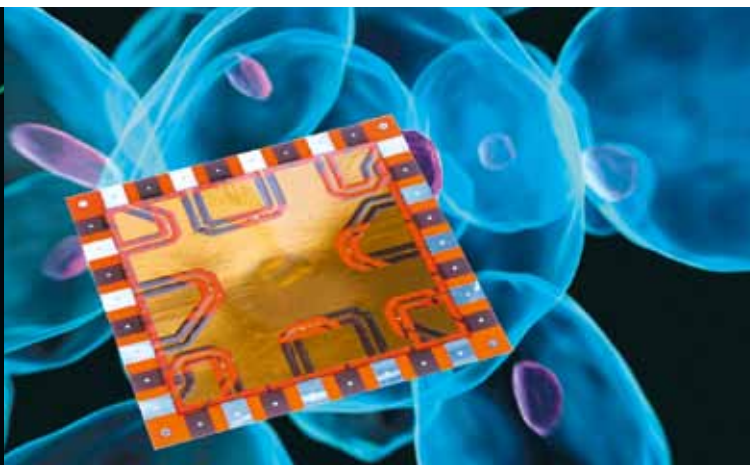
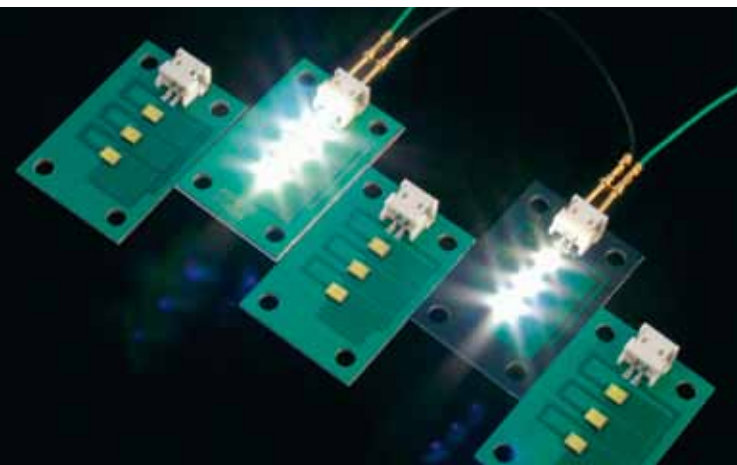
Optical Measurement Technology

- Use of Miniaturized Optical Sensors
- High-Resolution Optical Measurement Equipment
- Integrated Optical Measurement Systems
- Production of Micro-Optical Functional Components
- Calibration of Micro-Optical Measurement Systems

Submit your paper!

Detailed information about the Call for Papers (the submission deadline for lectures is 15 October 2011) can be found on our website: www.laser-optics-berlin.de.

Pictures: Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration (IZM)



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- Laser Optics Berlin
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