

## Fax Reply

To:  
Bayern Innovativ GmbH

**Fax: +49 (0)911/2 06 71 - 766**

- I would like to register for the congress **"Trends in Microsystems"** on March 7, 2006.  
Please register before March 3, 2006 using a separate form for each person. For registration fees see general information.

I am primarily interested in the following session

- Sensing & Actuating  
 Analyzing & Microtooling

- I will attend the evening reception at "Deutsches Museum" on March 7, 2006.  
 I am interested in the One-on-One Cooperation Forum **"Microsystems"** on March 8, 2006.  
Please send me detailed information.

Please send me a registration confirmation and an invoice.

### Participant:

Title, First Name, Surname

Company / Institute

Department, Position

Street

ZIP Code, City, Country

Phone, Fax

E-Mail

Date, Signature

- Industry  
 University Member/Publ. Authorities  
 Student (Proof of status required)

## Further Opportunities

### Exhibition, March 7, 2006

The accompanying exhibition will present examples of the latest developments in fields like:

- MEMS
- Lab-on-Chip
- Embedded Systems
- Electronics
- New Materials
- Advanced Packaging
- Coating Technology
- Optics
- Fluidics
- Lithography Systems

### Evening Event, March 7, 2006

Reception at "Deutsches Museum"  
Munich, 18.30 – 21.00

Keynote speech

**Prof. Dr. Wolfgang M. Heckl**  
General Director of Deutsches Museum



### One-on-One, March 8, 2006

4<sup>th</sup> International  
One-on-One Cooperation Forum  
Microsystems



## General Information

### Organization

Bayern Innovativ GmbH  
Gewerbemuseumsplatz 2  
90403 Nuremberg, Germany  
Phone: +49 (0)911 / 20671-173  
Fax: +49 (0)911 / 20671-766  
Email: [wiechmann@bayern-innovativ.de](mailto:wiechmann@bayern-innovativ.de)  
[www.bayern-innovativ.de](http://www.bayern-innovativ.de)

### Location

Arabella Sheraton Bogenhausen Hotel  
Arabellastraße 5, 81925 Munich, Germany

### Conference

**Language: English**

### Congress

**Tuesday, March 7, 2006  
9.30 – 17.15**

### Exhibition

**Tuesday, March 7, 2006  
8.30 – 18.00**

### Evening Programme

**Tuesday, March 7, 2006  
18.30 – 21.00**

### Registration

Please fax the enclosed reply to:  
**+49 (0)911/2 06 71 - 766**  
Fax replies can also be found at  
[www.bayern-innovativ.de/microtrends2006](http://www.bayern-innovativ.de/microtrends2006)  
Closing date for registration: March 3, 2006

### Attendance Fee

Incl. seminar documents, lunch, refreshments and evening event. Charges do not include VAT.

Industry	€ 310,-
Representatives of academic institutions, research institutes and public authorities	€ 190,-
Students	€ 30,-

### Registration Conditions

Upon receipt of your application you will receive an invoice as well as a confirmation of your attendance. Cancellations received up till March 3, 2006 are exempt from charges. For later cancellations and for non-attendance the full amount will be charged.

### Travel Information



Bayern  Innovativ



Congress

**Trends in Microsystems**

Fotos: Fraunhofer IZM, Robert Bosch GmbH, IBM Deutschland GmbH, Photo Artechnique (copyright) CEA Léti

Arabella Sheraton Bogenhausen Hotel  
Munich, Germany  
March 7, 2006





Prof. Dr. Josef Nassauer,  
Chief Executive,  
Bayern Innovativ GmbH,  
Nuremberg, Germany



Sean Neylon  
Chairman of NEXUS – European  
Microsystems Network,  
Grenoble, France

The worldwide microsystems market represents a volume of 11,5 billion dollars with an average annual growth rate of 16%. The key reason for this growth is that the ongoing dynamic developments in microsystems form the basis of innovations for many branches such as automobiles and mechanical engineering, telecommunications and computer industry, medical technology and life sciences or transport and logistics.

With this in mind, Bayern Innovativ – as project coordinator of BAIKEM (International Bavarian Initiative for Innovation and Cooperation in Electronics/Microtechnology) – is planning and organising the "Trends in Microsystems" congress in Munich together with NEXUS, the European Microsystems Network based in Grenoble, and the support of the Bavarian State Ministry of Economic Affairs, Infrastructure, Transport and Technology.

Internationally renowned speakers from industry and science will reveal trends in technologies and devices, will cover customer expectations from various branches and will outline new market opportunities.

Technical sessions will disclose state-of-the-art microsystem technology and trend-setting concepts from industry and science in the areas of smart sensors, innovative actuators, and system solutions for analytics, diagnostics or mobile energy supply.

The accompanying exhibition will present examples of the latest developments in these fields.

We cordially invite you to the congress and look forward to welcoming you in Munich.

Prof. Dr. Josef Nassauer

Sean Neylon

**Plenary Session**

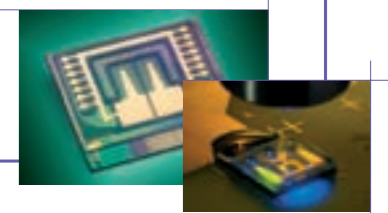
From 8.30	<b>Check-In and Issue of Conference Documents</b>
9.30 – 12.00	<b>Plenary Session</b>
9.30 – 9.40	<b>Introductory Remarks and Welcome Address</b> <b>Prof. Dr. Josef Nassauer</b> Chief Executive, Bayern Innovativ GmbH, Nuremberg, Germany
9.40 – 10.10	<b>Microsystems – Customer Expectations and International Market Trends</b> <b>Sean Neylon</b> Chairman of NEXUS – European Microsystems Network, Grenoble, France
10.10 – 10.40	<b>Trends in Microsystems – from the Component to the Self-Sustaining System</b> <b>Prof. Dr. Dr. Herbert Reichl</b> Director, Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, Germany
10.40 – 11.10	<b>Sensor Microsystems for Automotive and Consumer Applications</b> <b>Dr. Jan Peter Stadler</b> Director, Automotive Electronics/Sensor Technology Center, Robert Bosch GmbH, Reutlingen, Germany
11.10 - 11.40	<b>New Approaches for Life Sciences with Microsystems Solutions</b> <b>Dr. Christian Doll</b> Strategic Marketing, CEA Leti - Minatec, Grenoble, France
11.40 - 12.00	<b>BAIKEM – Network for Cooperation along the Supply Value Chain</b> <b>Prof. Dr. Josef Nassauer</b> Chief Executive, Bayern Innovativ GmbH, Nuremberg, Germany
12.00 – 13.30	<b>Lunch at the Exhibition</b>

**Sensing & Actuating**



12.00 – 13.30	<b>Lunch at the Exhibition</b>
13.30 – 14.00	<b>Challenges for Microsystems in Advanced Driver Assistance Systems</b> <b>Dr. Werner Huber</b> Integration Driver Assistance Systems and Active Safety, BMW Group, Munich, Germany
14.00 – 14.30	<b>Angular Rate and Motion Sensing with Smart Inertial Measurement Units</b> <b>Prof. Dr. Anton Heuberger</b> Director, Fraunhofer Institute for Silicon Technology ISIT, Itzehoe, Germany <b>Hubertus Christ</b> Chief Executive, SensorDynamics AG, Graz, Austria
14.30 – 15.00	<b>Flight Control of Micro Aerial Vehicles</b> <b>Dr. Richard Arning</b> Senior Manager Microsystems & Electronics, Corporate Research Center, EADS, Munich, Germany
15.00 – 15.45	<b>Coffee Break at the Exhibition</b>
15.45 – 16.15	<b>Position Sensing – Smart Solutions with 3D Hall-Elements</b> <b>Josef Sauerer</b> Head of Department IC Design – Analog Systems, Fraunhofer Institute for Integrated Circuits IIS, Erlangen, Germany
16.15 – 16.45	<b>Miniaturisation with MEMS-Relais in Electrical and Optical Switching</b> <b>Dr. Dieter Volm</b> General Manager Relays & Components, Panasonic Electric Works Europe AG, Holzkirchen, Germany
16.45 – 17.15	<b>Microsystems in Industrial Automation</b> <b>Dr. Metin Giousouf</b> Department of Future Technologies, Microtechnology, Festo AG & Co. KG, Esslingen, Germany
17.15 – 18.00	<b>Get Together at the Exhibition</b>
18.30 – 21.00	<b>Evening Reception at "Deutsches Museum"</b>

**Analyzing & Microtooling**



12.00 – 13.30	<b>Lunch at the Exhibition</b>
13.30 – 14.00	<b>Personal Healthcare through Microsystems and Nanotechnology</b> <b>Prof. Dr. M.W.J. Menno Prins</b> Philips Research, Eindhoven, The Netherlands
14.00 – 14.30	<b>Advanced Analytics through Miniaturized Diagnostic Assays</b> <b>Dr. Christoph Gauer</b> Chief Executive Officer, Advalytix AG, Brunthal, Germany
14.30 – 15.00	<b>Novel Microgenerator for Energy Harvesting in Mobile/Medical Devices</b> <b>Dr. Alec Reader</b> Sales and Marketing Director, Innos Limited, Southampton, UK <b>Andrew Monk</b> CEO, Innos Limited, Southampton, UK
15.00 – 15.45	<b>Coffee Break at the Exhibition</b>
15.45 – 16.15	<b>Advanced Laser Micromachining and Microsintering of Metals, Ceramics and Plastics</b> <b>Jens Hänel</b> Chairman of the Supervisory Board, 3D-Micromac AG, Chemnitz, Germany
16.15 – 16.45	<b>Industrial Applications of Micro- and Nanotechnologies in Lab-on-Chip Systems and Sensors</b> <b>Andrea Reinhardt</b> Chief Executive, MicroTEC, Bad Dürkheim, Germany
16.45 – 17.15	<b>Microfluidic Chips and their Applications in BioMEMS and Portable Energy</b> <b>Dr. Bai Xu</b> Senior MEMS Scientist, Albany NanoTech, University at Albany, State University of New York, USA
17.15 – 18.00	<b>Get Together at the Exhibition</b>
18.30 – 21.00	<b>Evening Reception at "Deutsches Museum"</b>