

**Chairman of Program Committee:**

**Prof. Dr. Herbert Reichl,**  
 Fraunhofer Institut für Zuverlässigkeit und Mikrointegration  
 IZM  
 Technische Universität Berlin, FSP Mikroperipherik,  
 Director

**Members of Program Committee:**

**Prof. Dr. Wolfgang Eberhardt**  
 BESSY Berliner Elektronenspeicherring Gesellschaft für  
 Synchrotronstrahlung mbH,  
 Scientific Director

**Dr. Ralf Guido Herrtwich**  
 DaimlerChrysler AG,  
 Director Research and Technology, Telematics and  
 E-Business

**Dr. Peter Kalisch**  
 DIEHL Stiftung & Co., Nürnberg,  
 Director Central Technology

**Prof. Dr. Heinz Lehr**  
 Technische Universität Berlin, IFMT Institut für Konstruk-  
 tion, Mikro- und Medizintechnik,  
 Director

**Prof. Dr. Hanns-Jürgen Lichtfuß**  
 TSB Technologiestiftung Berlin,  
 CEO

**Stephen S. Pawlowski**  
 Intel Corporation,  
 Intel Fellow, Co-Director Communications and  
 Interconnect Technology, Intel Labs

**Prof. Dr. Eckart Uhlmann**  
 Fraunhofer Institut für  
 Produktionsanlagen und Konstruktionstechnik IPK, Berlin,  
 Director

**Dr. Werner Wilke**  
 VDI/VDE-Technologiezentrum Informationstechnik GmbH,  
 Teltow,  
 CEO

Congress Languages: English / German

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**Intel Developer Forum Conference (IDF)  
 Berlin, April 28 - 30**

IDF Research and Development Day - April 30, 2003  
 Internationales Congress Center (ICC) Berlin

**Accelerating Convergence:  
 Communication and Computing in an Unwired World**

IDF is a global series of conferences that bring together  
 developers and the newest technology and vision from industry  
 leaders. IDF fosters dialogue, and it supports the exchange of  
 information critical for success in today's rapidly evolving digital  
 economy.

IDF is featuring a special day-long focus on research and  
 development.  
 IDF Research and Development Day activities include:

- Keynote presentation from Sunlin Chou, Senior Vice  
 President and General Manager of the Technology and  
 Manufacturing Group
- 28 technical sessions and labs to choose from including  
 new special R & D sessions
- An exhibition showcase featuring the latest products and  
 technologies
- Extensive networking opportunities

For Microsys attendees who want to take advantage of the  
 IDF Research and Development Day pass, we are pleased to  
 announce a special price of **€ 149 plus VAT**

To take advantage of this special offer please register at  
[www.intel.co.uk/idf](http://www.intel.co.uk/idf) and when registering enter the following  
 priority code **JD3039658**

For further questions contact mailto: [idf@informa.com](mailto:idf@informa.com)



**Organizers**

WISTA-MANAGEMENT GMBH



ZEMI Zentrum für  
 Mikrosystemtechnik Berlin



TSB Technologiestiftung  
 Innovationsagentur Berlin GmbH



**Location**

Berlin-Adlershof, the City of Science, Technology and Media  
 Volmerstraße 2, 12489 Berlin, Germany

**Meeting Duration**

April 28-29, 2003	Monday	11:00am to 5:30pm
	Tuesday	9:00am to 5:00pm

**Project Leader**

TSB GmbH, GS Adlershof  
 Dr. Eberhard Stens  
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**Organization**

**Entrance Fees - Congress and Exhibition** (all Prices incl. VAT):  
 Participation at μSYS-Berlin Congress, April 28 + 29, 2003  
 incl. Congress Materials, Coffee and Snacks:

- Standard Fee .....60 €
- Reduced Fee (Students, Apprentices).....30 €
- Two Persons per Exhibitor at μSYS-Berlin 2003 .....Free of Charge

**μSYS-Berlin Congress, April 28 + 29, 2003, AND  
 Intel Developer Forum Conference Research and  
 Development Day, April 30, 2003, ICC Berlin 175 €**

Visiting exhibition only, without conference participation Free of  
 Charge.

**Registration**

Please fill in and send back the attached registration card by Mail or  
**Fax: +49 - 30 - 6392 5173** or email to [info@mikrosys-berlin.de](mailto:info@mikrosys-berlin.de)  
 before April, 11, 2003.



**MICRO-SYSTEMS  
 TECHNOLOGY  
 SOLUTIONS**

**Telecommunication  
 Automotive  
 Life Science**

**Fair and Congress  
 April 28 - 29, 2003**



CONGRESS PROGRAM

10.00 – 11.00 Opening Congress  $\mu$ SYS-Berlin 2003

Address of Welcome  
**Prof. Dr. Herbert Reichl**,  
 Director, Fraunhofer Institut für  
 Zuverlässigkeit und Mikrointegration  
 IZM, Berlin

**Further Addresses**

Keynote Address  
**Stephen S. Pawlowski**,  
 Intel Fellow,  
 Co-Director Communications and  
 Interconnect Technology, Intel Labs,  
 Intel Corporation

11.30 – 12.30 Opening of Exhibition  
 $\mu$ SYS-Berlin 2003

**Prof. Dr. Günther Tränkle**,  
 Director, Ferdinand-Braun-Institut für  
 Höchstfrequenztechnik, Berlin  
 Zentrum für Mikrosystemtechnik

**Dr. Matthias Scholz**,  
 CEO, LTB Lasertechnik Berlin GmbH

12.30 – 13.30 Lunch Break

13.30 – 15.00 **Telecommunication - Mobile Future**  
Moderation: Prof. Dr. Günther Tränkle,  
Ferdinand-Braun-Institut für Höchst-  
frequenztechnik, Berlin13.30 Dr. Werner Weber,  
Infineon Technologies AG, Munich  
**Ubiquitous Computing – Key Technologies in  
the Age of Communication**14.10 Dr. Reinhold Eberhardt,  
DaimlerChrysler AG  
**Mobile Ad-Hoc Nets as Basis for  
Ubiquitous Computing**14.35 Dr. Wolfgang Heinrich,  
Ferdinand-Braun-Institut für  
Höchstfrequenztechnik, Berlin  
**Wireless Millimeter-Wave Front-Ends**

15.00 – 15.30 Coffee Break

15.30 – 17.30 **Telecommunication – Photonic Nets**  
Moderation: Prof. Dr. Klaus Petermann,  
Technische Universität Berlin15.30 Godehard Walf,  
Fraunhofer Institut für Nachrichtentechnik,  
Heinrich-Herz-Institut HHI, Berlin  
**Evolution of Photonic Nets**16.15 Nikolaus Lange,  
Intel Corporation, Braunschweig  
**Intelligent Photonic Nets**16.40 Dr. Jörg-R. Kropp,  
Infineon Technologies AG, Berlin  
**Wafer level packaging for  
opto-electronic components**17.05 Dr. Detlef Krabe, Jens Dieckröger, Tobias Kraeker,  
Dr. Miha Završnik, Dr. Ingo Baumann,  
Optun GmbH, Munich  
Dr. Hartmut Schneider,  
Infineon Technologies AG, Munich  
**Packaging of integrated optical sub-system  
based on PLC technology**18.00 – 21.00 **Dinner Reception  $\mu$ SYS-Berlin 2003**  
- by personal invitation -Greetings: **Hardy R. Schmitz**,  
CEO, WISTA-MANAGEMENT GMBHAddress of Welcome: **Dr. Klaus Ulbricht**,  
Mayor, Berlin Treptow-KöpenickDinner Speaker: **Frank E. Spindler**  
Vice President,  
Corporate Technology Group  
Director, Marketing  
Intel Corporation09.00 – 10.45 **Automotive**  
Moderation: Dr. Werner Wilke,  
VDI/VDE-Technologiezentrum  
Informationstechnik GmbH, Teltow09.00 Dr. Detlef Senger,  
DaimlerChrysler AG, Frankfurt/M.  
**Microsystems in Automobile - Part of  
Solution or Part of Problem?**09.45 Dr. Frank Ansorge,  
Fraunhofer IZM, Mikro-Mechatronik Zentrum,  
Oberpfaffenhofen  
**Micro-Mechatronics - Technology Beyond  
the Limits or Architecture for Flexible  
Solutions in Automotive Applications**10.05 Jörg Becker,  
Philips GmbH, Hamburg  
**Transponder - Example for Use in Electronic  
Anti-Theft Devices**10.25 Prof. Dr. Marcel Berveiller,  
Französische Botschaft, Berlin  
**French-German Cooperation in the Field of  
Automotive**

10.45 – 11.15 Coffee Break

11.15 – 12.35 **Automotive – Components and  
Systems**  
Moderation: Prof. Dr. Eckart Uhlmann,  
Fraunhofer Institut für Produktionsanla-  
gen und Konstruktionstechnik IPK,  
Berlin11.15 Dr. Jiri Marek,  
Robert Bosch GmbH  
**Integrated Sensor Technology in Automobiles**11.55 Dr. Martin Schneider-Ramelow,  
Fraunhofer IZM, Berlin  
Werner Graf, Bernhard Schuch,  
Conti Temic microelectronic GmbH, Nuremberg  
**Quality and Reliability of Integrated Power-  
Modules**12.15 Dr. Peter Krause,  
First Sensor Technology GmbH, Berlin  
**Pressure Sensors in Automobiles**

12.35 – 13.30 Lunch Break

13.30 – 16.45 **Life Science**  
Moderation: Prof. Dr. Heinz Lehr  
Technische Universität Berlin, IFMT  
Institut für Konstruktion, Mikro- und  
Medizintechnik13.30 Prof. Dr. Günter R. Fuhr,  
Fraunhofer Institut Biomedizinische Technik  
IBMT, St. Ingbert  
**Micro-Systems for Future Molecular and  
Cellular Biotechnology**14.15 Prof. Dr. Günther Seliger, Alexander Buchholz,  
Technische Universität Berlin  
Prof. Dr. Herbert Reichl, Andreas Middendorf,  
Fraunhofer IZM, Berlin  
**Product Accompanying Information Systems  
as Application Areas of Micro-System  
Technology**14.40 Dr. Volker Großer,  
Zentrum für Mikrosystemtechnik ZEMI, Berlin  
Dr. Alexis Bazzanella,  
DECHEMA e.V., Frankfurt a. M.  
**Micro-Technology - Possibilities for  
Applications in Life Sciences**

15.05 – 15.20 Break

15.20 Dr. Erwin Yacoub-George,  
Fraunhofer IZM, Munich  
**Application of Bio Sensors in Life Sciences**15.50 Dr. med. Stefan Sack,  
Universitätsklinikum Essen  
**Telemedicine - from Vision to Reality**16.10 Lutz Pfeifer,  
IOM GmbH, Berlin  
**Fluorescence based Bio-analysis with  
fiber-optic Sensors**16.30 **Summary and  
End of Conference**  
Dr. Peter Kalisch,  
DIEHL Stiftung & Co., Nuremberg

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