

Monday, November 16

11.25 a.m.	Opening	Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE
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Session:**Laser and Photonics Applications**

Session chair: Dr. Alexander Olowinsky,
Fraunhofer Institute for Laser Technology ILT, Aachen, DE

11.30 a.m.	Flexible and Precise - Laser Processing of Polymers	Maximilian Brosda, Fraunhofer-Institute for Laser Technology, Aachen, DE
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11.50 a.m.	Ultrashort Laser Pulses in Medical Device Manufacturing	Dr. Benjamin Schöps, femtos GmbH, Bochum, DE
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12.10 p.m.	Micro Objectives for Photonic Applications	Yves A. Gilliand, Mikrop AG, Wittenbach, CH
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12.30 p.m.	Focus Tunable Lenses for Medical Applications	Mark Ventura, Optotune Switzerland AG, Dietikon, CH
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12.50 p.m.	Optoelectronic Module Solutions for Molecular Diagnostic Applications	Dr. Harald Kraushaar, Volpi AG, Schlieren, CH
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Session:**Printed Electronics and Printed Diagnostics**

Session chair: Ilkka Kaisto,
VTT Technical Research Centre of Finland, Oulu, FI

1.20 p.m.	Keynote: Flexible Printed Circuits: Pioneer of Smart Electronics	Simon Kleefeldt, Mektec Europe GmbH, Weinheim, DE
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1.50 p.m.	Inkjet Printed Conductive Structures for Diagnostic Applications	Dr. Thomas Meißner, Hahn-Schickard, Stuttgart, DE
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2.10 p.m.	Using Smart Insole in Rehabilitation	Eero Kaikkonen, Movesole Oy, Oulu, FI
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2.30 p.m.	Accurate Dispensing of Reagents on the Microfluidic Chips	Markku Käsäkoski, Ginolis Oy, Oulu, FI
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2.50 p.m.	Roll-to-Roll Topography Measurements of Microfluidic Channels for the Quality Control of Diagnostic Chips	Sauli Törmälä, Focalspec Oy, Oulu, FI
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3.10 p.m.	In-Mold Plastic Smart Systems	Perttu Korhonen, TactoTek Ltd, Oulu, FI
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3.30 p.m.	Ecosystems for Prototyping and Pilot Manufacturing	Ilkka Kaisto, VTT Technical Research Centre of Finland, Oulu, FI
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**Session: Microsystems Interfacing with the Neural System –
a Pathway to Modern Diagnostics and Therapy**

Session chairs: Harald Pötter / Erik Jung,
Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, DE

4.00 p.m.	Advanced Technologies for Brain Computer Interfaces (BCI)	Dr. Florian Evertz, Blackrock Microsystems, Hanover, DE
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4.25 p.m.	Trends in Electronics Production and Their Impact to the Medical Device Manufacturers	Harald Pötter, Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, DE
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4.50 p.m.	Hearing Restauration – State of the Art and Future Perspectives	Prof. Theodor Doll, MHH Hannover, Hanover, DE
5.15 p.m.	Exo-Prosthetics – from State of the Art to New Perspectives	Dr. Christian Will, Otto Bock GmbH, Duderstadt, DE
5.40 p.m.	What Can Microsystems Offer to the Medtech Industry?	Erik Jung, Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, DE

Tuesday, November 17

Session: Smart Sensor Solutions



Session chair: Dr. Mario Baum, Fraunhofer Institute for Electronic Nano Systems ENAS, Chemnitz, DE

11.00 a.m.	Tailor-Made Surface Modification to Improve Sensor Performance	Dr. Anke K. Schuetz-Trilling, Surfex BV, Wageningen, NL
11.20 a.m.	New Autoclavable Mass Flow Meter for Medical Applications	Dr. Daniel Träutlein, Sensirion AG, Stäfa, CH
11.40 a.m.	Wireless Active Implants	Maik-Julian Bükér, Fraunhofer Institute for Electronic Nano Systems ENAS, Paderborn, DE
12.00 p.m.	Wearable Sensing Solutions for Mobile Diagnostics	Dr. Thomas Knieling, Fraunhofer Institute for Silicon Technology ISIT, Itzehoe, DE
12.20 p.m.	High Accuracy Digital Gas Mass Flow Meter	Theodore Athanasopoulos, European Sensor Systems S.A., Koropi, GR
12.40 p.m.	Pulse Wave Analysis of Photoplethysmographic Signals from In-Ear Sensors	Dr. H.-G. Ortlepp, CiS Forschungsinstitut für Mikrosensorik GmbH, Erfurt, DE

1.00 p.m. Break

Session chair: Dr. Jörg Nestler, TU Chemnitz, DE

1.30 p.m.	Round Image Sensors and Miniature Camera Modules for Endoscopic Application	Martin Wäny, AWAIBA/CMOSIS, Nuernberg, DE
1.50 p.m.	Smart Options and Trends of Passive Wireless Sensors in Medical & Healthcare	Reinhard Jurisch, microsensys GmbH, Erfurt, DE
2.10 p.m.	Disposable Liquid Flow Sensor for Medical Applications	Jonas Horn, Sensirion AG, Stäfa, CH
2.30 p.m.	Biocompatible Thin Film Encapsulation	Dr. Mario Baum, Fraunhofer Institute for Electronic Nano Systems ENAS, Chemnitz, DE
2.50 p.m.	Monitoring Vital Signs with Implantable Pressure Sensors	Dr. Alexander Steinecker, CSEM, Alpnach Dorf, CH
3.10 p.m.	Display - Touch Screen - Front Glass Assemblies „Touch & Easy Clean“	Miranda Stender, Berliner Glas KG Herbert Kubatz GmbH & Co., Berlin, DE
3.30 p.m.	Custom Multispectral Sensors or High Resolution Spectrometers - What Is the Right Choice for Your Application?	Dr. Marcus Röppischer, MAZeT GmbH, Jena, DE
3.50 p.m.	Next Generation of Physiological Monitoring	Dr. Andreas Caduff, Biovotion AG, Zurich, CH

Wednesday, November 18

Session:

Microprecision, Manufacturing and Processing



Session chair: Mona Okroy-Hellweg, IVAM Microtechnology Network, Dortmund, DE

11.10 a.m.	Market-Driven Micro Vision Concepts for Life Sciences	Jan Fehse, FISBA AG, St. Gallen, CH
11.30 a.m.	Tailored Polymer Parts with Micro and Nanostructures	Markus Rawert, temicon GmbH, Dortmund, DE
11.50 a.m.	NanoPilot: Innovative Solutions for Nanopharmaceuticals Production under GMP	Alice Kasjanow, iX-factory, Dortmund, DE
12.10 p.m.	Advanced Conformal Coating Technologies for the Medical Industry	Tim Dietrich, Specialty Coating Systems, Indianapolis, US
12.30 p.m.	Micro- and Nanotechnics for Artificial organs – from Basic Processing to Electrospinning	Florent Guyon, STATICE, Besançon, FR
12.50 p.m.	Product Production & Internet of Things	Winfried Korb, arteos GmbH, Seligenstadt, DE
1.10 p.m.	Micro Technological Solutions for Cardiac Infarction and Blood Glucose Monitoring	Kay-Uwe Klepzig, JENOPTIK Polymer Systems GmbH, Triptis, DE
1.30 p.m.	Reliable and Precise Multisensor Surface Metrology for Medical Devices	Dr. Roland Goschke, FRT GmbH, Bergisch Gladbach, DE

Session:

Brazilian Session



Session chair: Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE

2.20 p.m.	Opening	Governmental representative from Brazil Katherine Shibata, HOSPITALAR, São Paulo, BR Dr. Thomas Dietrich, IVAM Microtechnology Network, Dortmund, DE
2.30 p.m.	Entering the German Health Care Market – Key Regulatory and Liability Related Aspects and the Corporate Framework	Dr. Christian Bornhorst (Connecticut), Dr. Peter Meyer, Dr. Boris Handorn, Simmons & Simmons, Duesseldorf, DE
3.15 p.m.	Point-of-Care Diagnostics for Tropical Diseases (PodiTrodi): Lab-on-a-Chip Development for Chagas' Disease in a Joint European-Brazilian Project	Dr. Joerg Nestler, BiFlow Systems GmbH Andreas Morschhauser, Fraunhofer ENAS, Chemnitz, DE
3.45 p.m.	Partnership in Germany	Flávia Rodrigues, Hpbio, BR Elias Pereira, Hpbio, BR
4.15 p.m.	Brazilian Health Devices.	Paulo Henrique Fraccaro, Abimo, São Paulo, BR
4.45 p.m.	Doing Business in Brazil - Intercultural Aspects	Holger Hey, Hey projects, Cologne, DE

Thursday, November 19

Session:

Microfluidic Enabled Integrated Diagnostic and Analytical Systems

Session chair: Dr. Claudia Gärtner, microfluidic ChipShop GmbH, Jena, DE

11.00 a.m.	Integrated Microfluidic System - The Recent Trends	Dr. Holger Becker, microfluidic ChipShop, Jena, DE
11.10 a.m.	MrCyte: Magnetic Enhanced Sorting and Detection of Single Cells in Whole Blood	Dr. Oliver Hayden, Siemens, Erlangen, DE
11.30 a.m.	CanDO: "A CANcer Development mOnitor" for Identification of low CTC Concentrations in an Easily Accessible Format	Dr. Claudia Chudak, Gilupi GmbH, Potsdam, DE
11.50 a.m.	Rapid Diagnostic Assays Combining Continuous-Flow PCR and Oligochromatographic Detection in a Microfluidic Chip Format	Dr. Pascal Mertens, Gembloux, BE
12.10 p.m.	BioLector Pro: A Microfluidic Approach to Boost Upstream Bioprocess Engineering	Carsten Müller, m2p-labs GmbH, DE
12.30 p.m.	Rapid Detection of EBOLA VP40 in Microchip Immunofiltration Assay	Dr. Peter Miethe, FZMB, Bad Langensalza, DE
12.50 p.m.	Non-Contact Liquid Handling - How It Works and What It Can Do for You	Dr. Eckhard Nordhoff, M2 Automation, Berlin, DE
1.10 p.m.	Integrated Process Control: Optical Sensors as Flexible Analytical Tool for Microfluidic Cell Culture Devices and Organ-On-a-Chip Applications	Dr. Birgit Ungerböck, microfluidic ChipShop, Jena, DE
1.40 p.m.	Panel Discussion	Dr. Holger Becker, microfluidic ChipShop GmbH, Jena, DE Dr. Oliver Hayden, Siemens, Erlangen, DE Dr. Claudia Chudak, Gilupi GmbH, Potsdam, DE Dr. Pascal Mertens, Gembloux, BE Carsten Müller, m2p-labs GmbH, DE Dr. Peter Miethe, FZMB, Bad Langensalza, DE Dr. Eckhard Nordhoff, M2 Automation, Berlin, DE Dr. Birgit Ungerböck, microfluidic ChipShop, Jena, DE

End of Forum

