



November 16-19, 2015  
Hall 8a, Booth F19, F29, F34, F35, F39, G19, H19, H23, H29



Measurement of a Stent  
Source: FRT (booth G19.5)

## EXHIBITOR CATALOG 2015

IVAM-Product Market  
High-tech for Medical Devices  
Hall 8a

Forum Program:

<p><b>COMPAMED</b></p> 	<p><b>HIGH-TECH FORUM</b></p> <p>by  <b>IVAM.</b></p>
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## Product Market High-tech for Medical Devices Micro, Nano & Material Technology

Dear Visitor,

The COMPAMED has become an international leading trade fair for the supplier market of medical manufacturing. This year, for the first time, it takes place as a four-day-fair.

As the traditional Product Market 'High-tech for Medical Devices' in Hall 8a, the IVAM Microtechnology Network joint pavilion showcases solutions for medical technology on 700 sqm of space. The key technologies to these solutions are microtechnology, nanotechnology, photonics and advanced materials.

With a record number of 55 companies, this year's IVAM joint pavilion is bigger and more versatile than ever. The international exhibitors will present innovations that constantly make medical technology products safer, cheaper and more reliable, for example

- miniaturized components
- high-tech electronics
- innovative laser processes
- functional coatings
- smart sensors
- high-precision structuring, measuring and screening processes and many more.

The IVAM exhibitor catalog includes all profiles of this year's exhibitors and will help you plan your visit in hall 8a.

To gain exclusive insights into the innovative world of micro and nanotechnology and to become better informed about recent advances within medical technology, please take advantage and visit the corresponding forum "COMPAMED HIGH-TECH FORUM" of IVAM.

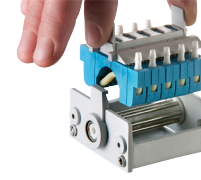
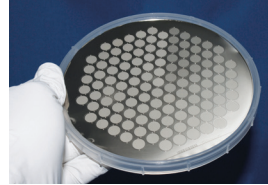
The exhibitors of the Product Market and the IVAM team are looking forward to your visit at COMPAMED 2015. Do not miss the opportunity for networking.

We are looking forward to meeting you in the IVAM Business Lounge!

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## MICROTECHNOLOGY NETWORK



Sources: temicon GmbH, 2E mechatronic, microsensys

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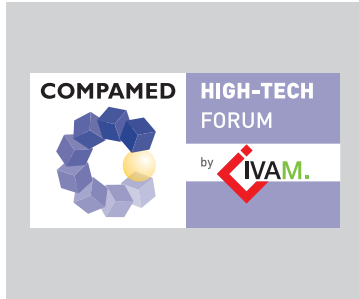
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## G40



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<b>F39.2</b> Selmic
Storage

## F35

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<b>F35.3</b> MAZeT	<b>F35.7</b> arteos

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H23.6

Contact:  
Joerg Wertli

Tel.: +41 058 856 3025  
Fax: +41 058 856 3001  
www.optotune.com  
sales@optotune.com

- Variable Focus Lenses
- Focus Tunable Lenses
- Laser Speckle Reducers



**Physik Instrumente (PI) GmbH & Co. KG**  
Karlsruhe, DE

H23.3

Contact:  
Jan-Philipp Suske

Tel.: +49 721 4846 0  
Fax: +49 721 4846 1409  
www.pi.ws  
info@pi.ws

- Precision Positioning Technology
- Compact Drives with Low Energy Consumption, High Reliability and Speed
- Piezoelectric Drives, Scanners and Positioning Systems



**SERODE**  
Pirey, FR

F19.1

Contact:  
Dominique Poyet

Tel.: +33 381 50 54 56  
Fax: +33 381 50 53 55  
www.serode.fr  
contact@serode.fr

- Stamping
- Deep Drawing
- Titanium



**SMT & HYBRID GmbH**  
Dresden, DE

F29.6

Contact:  
Sarah Richter

Tel.: +49 351 2661 3272  
Fax: +49 351 2661 3826  
www.smt-hybrid.de  
info@smt-hybrid.de

- Electronic Manufacturing Services
- Mounting and Assembly of Electronic Devices
- Development of Electronic Modules



**Specialty Coating Systems**  
Indianapolis, US

H29.3

Contact:  
Tim Dietrich

Tel.: +1 317 244 1200  
Fax: +1 317 240 2092  
www.scscoatings.com  
scsales@scscoatings.com

- Parylene
- Conformal Coatings
- Surface Treatment



**SPS-Europe**  
Putten, NL

F34.1

Contact:  
Dr. Roland Scheuerer

Tel.: +49 8413 7053 0  
Fax: +49 8413 7053 22  
www.sps-europe.com  
customerservice@sps-europe.com

- Ultrapure Liquid Handling and Control
- Flow Measurement and Stabilization
- Thin Layer Deposition



**Volpi AG**  
8952 Schlieren, CH

H19.2

Contact:  
Gentiana Buzhala

Tel.: +41 4473 243 43  
Fax: +41 4473 243 44  
www.volpi.ch  
mail@volpi.ch

- In Vitro Diagnostics
- Life Science Tools
- Medical Technology



**Zünd precision optics Ltd.**  
Diepoldsau, CH

F29.5

Contact:  
Dario Fusinato

Tel.: +41 71 7377 400  
Fax: +41 71 7377 410  
www.zuendoptics.com  
info@zuendoptics.com

- Planar Optical Single Components and Planar Optical Assemblies
- Micro Optics
- Optical Coating



**STATICE**  
Besançon, FR

F29.4

Contact:  
Anne Legain

Tel.: +33 381 4848 73  
Fax: +33 381 5335 23  
www.statice.com  
a.legain@statice.com

- Contract R&D and Contract Manufacturing
- Innovative Medical Devices
- Polymers and Microtechnology Expertise



**Steinmeyer Mechatronik GmbH**  
Dresden, DE

H23.4

Contact:  
Jens Klattenhoff

Tel.: +49 351 8858 50  
Fax: +49 351 8858 525  
www.steinmeyer.com  
mechatronik@steinmeyer.com

- Positioning Systems
- Customized Products
- Mechatronic Components



**Surfix BV**  
Wageningen, NL

F35.1

Contact:  
Dr. Luc Scheres

Tel.: +31 85 488 1285

www.surfix.nl  
info@surfix.nl

- Surface Modification Technology
- Innovative Nanocoatings
- Local Surface Modification



**temicon GmbH**  
Dortmund, DE

H29.5

Contact:  
Dr. Stefan Wiebach

Tel.: +49 0231 477 30 561  
Fax: +49 0231 477 30 555  
www.temicon.de  
wiebach@temicon.de

- Life Science
- Micro- and Nanostructures
- Injection Molding

**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. Gilliland, 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.	<b>Keynote:</b> Flexible Printed Circuits: Pioneer of Smart Electronics	Simon Kleefeldt, Mekttec 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 Bükler, 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 Wány, 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



# High-tech for Medical Devices

November 16-19, 2015  
Hall 8a, Booth F19, F29, F34, F35, F39, G19, H19, H23, H29

## OPENING HOURS:

November 16-19, 2015, 10 a.m.- 6:30 p.m.

## FURTHER INFORMATION

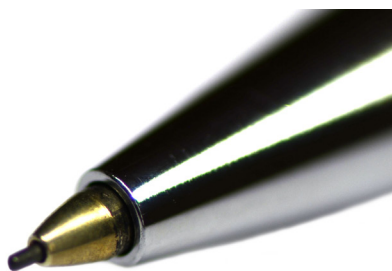
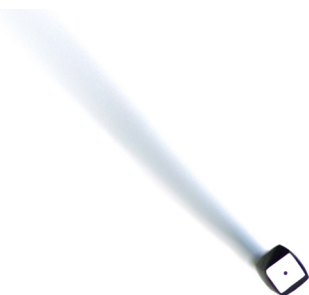
IVAM Product Market High-tech for Medical Devices

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Source: CMOSIS Germany GmbH  
(booth F34.5)

