

Montag, 14. November

Laser and Photonics Applications

11.20 **Keynote: Isolation of Single Circulating Tumor Cells from 7.5 ml of Human Blood**
Dr. Michael Baßler, Fraunhofer ICT-IMM

11.50 **High Brightness for Ultra-Thin Fibers - A New RGB LED Light Source for Endoillumination**
Martin Kuchenbecker, Berliner Glas

12.10 **UV - LEDs in Medical Applications**
Dr. Olaf Brodersen,
CiS Forschungsinstitut für Mikrosensorik

12.30 **Lasers in Medical Technology - Current Trends and Challenges**
Maximilian Brosda, Fraunhofer ILT

12.50 TBA
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Printed Electronics and Printed Diagnostics

13.20 **Keynote: Disposable Diagnostics for Future Wellness and Healthcare**
Marika Kurkinen, VTT Finland

13.50 **Using Movesole's Smart Insoles in Healthcare.**
Eero Kaikkonen, Movesole Oy

14.10 **Lateral Flow Device Assembly**
Jorma Venalainen, Ginolis Ltd.

14.30 **Medical Sensing Products with Intelligence or Intelligent Design?**
Antti Tauriainen, Screentec Oy,

14.50 **Innovation in 3D Printed Wearables**
Kristel Van den Bergh, Materialise NV

15.10 **Optical 3D Inspection of Printed Electronics using FocalSpec LCI Sensor Technology**
Sauli Törmälä, Focalspec Oy

Mikrosysteme im Blick der Demografischen Entwicklung

16.00 **Elektroniksysteme in der Demenzversorgung**
Matthias Lorenz, Aemtech GmbH

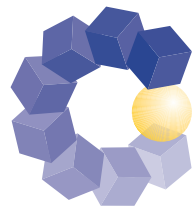
16.25 **Physiologisches Monitoring in Anwendung für die alternde Generation**
Dr. Andreas Caduff, Biovotion AG

16.50 **„Large Area“ Elektronik-Integration für das medizinische IoT**
Christine Kallmayer, Fraunhofer IZM

17.15 **PYRAMID - Umkehr der Versorgungspyramide durch mikroelektronische Helfer**
Dr. Markus Detert,
Otto von Guericke University Magdeburg

17.40 **Können mikroelektronische „Wearable-“ Assistenzsysteme einen signifikanten Beitrag zur Gesundheitsvorsorge leisten?**
Diskussion mit Publikumsbeteiligung

COMPAMED HIGH-TECH FORUM



by **IVAM.**

Dienstag, 15. November

Smart Sensor Solutions

11.00 **Miniature Camera Modules for Medical Endoscopy**
Martin Wány, AWAIBA Lda.

11.20 **Open Lab-on-a-Chip Platform for Quick Biosensor and Assay Integration**
Dr. Jörg Nestler, BiFlow Systems GmbH

11.40 **Biosensor Development Strategies for Next Generation Wearables**
Dr. Fiona Pereira, CSEM

12.00 **New Flexible Hand Grip Sensor**
Dr. Georg Astl, Eoswiss Engineering Sarl

12.20 **Micro- and Nanotechnologies for Smart Sensor Solutions**
Marco Meinig, Fraunhofer ENAS

12.40 **An Endoscopic Probe with Optical and Ultrasound Functionalities**
Dr. Nooshin Saiedi, Fraunhofer ENAS

13.00 Pause

13.30 **Integrated Disposable Biochip Cartridge for Point of Care Diagnostics**
Lars Blohm, Fraunhofer ISIT

13.50 **Custom Multispectral Sensors as Alternative to High Resolution Spectrometers - what is the right Choice for your Application?**
Kevin Jensen, MAZeT GmbH

14.10 **Challenges and Benefits during the Implementation of RFID Sensor Technology in Medicine and Health Care**
Nadin Jurisch, microsensys GmbH

14.30 **Humidity and Temperature Sensors in Medical and Diagnostic Applications**
Dr. Daniel Träutlein, Sensirion AG

14.50 **Smart Sensor Solution: Custom-Made Nanocoatings**
Dr. Anke Schuetz-Trilling, SurfIX BV

15.10 **MEMS Smart Sensors for Intelligent Applications**
Dr. Emmanuell Zervakis, European Sensor Systems

15.30 **Sensors in Dialysis**
Dirk Neusse, TE Connectivity

15.50 TBA
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Mittwoch, 16. November

Microprecision, Manufacturing and Processing

10.50 **Customized Neural Electrodes and High Channel Hermetic Packaging for Implantable Devices**
Dr. Fabian Kohler, CorTec GmbH

11.10 **Integration of Electronics in Textiles**
Dr. Alexander Steinecker, CSEM

11.30 **Micro Precision Machining and Micro Injection Molding for Medical Applications**
Marcel Röder, Hahn-Schickard

11.50 **Microtechnological Solutions for Cardiac Infarction and Blood Glucose Monitoring**
Kay-Uwe Klepzig, JENOPTIK Polymer Systems

12.10 **Applications of Fully Integrated Active and Passive Flow Control in the Organ-on-a-chip, Analytical and Diagnostics Field.**
Dr. Mark Olde Riekerink, Micronit GmbH

12.30 **High-Precision 3D Printing for Biomedical Applications**
Dr. Ruth Houbertz, Multiphoton Optics GmbH

12.50 **Parylene Conformal Coatings: Protecting Leading-Edge Medical Technologies**
Dick Molin, Specialty Coating Systems

13.10 **Large-volume Replication of Micro and Nano Structured Surfaces**
Markus Rawert, temicon GmbH

13.30 **Autoclavable Overmolding of Electronics – Precise, Miniaturised, Cost-effective**
Dr. Victor Callegari, TURCK duotec GmbH

Japan Session (mit Simultanübersetzung)

14.10 **Opening**
Governmental representative from Japan
Dr. Moerke, Messe Duesseldorf Japan
Dr. Thomas Dietrich, IVAM

14.20 **Marktzulassung und Zertifizierung von Medizintechnikprodukten in Deutschland / Europa**
Bodo Mestmacher,
QUADRAS your regulatory affairs

14.50 **Vetriebsstrukturen der Medizintechniktechnik in Deutschland / Europa**
TBA

15.20 **Sucess Story**
TBA

15.50 **Der Japanische Markt allgemein und seine Bedeutung fuer die Erschliessung Asiens**
TBA

16.20 **Überblick über den japanischen Markt für Medizintechnikprodukte**
TBA, Jetro Duesseldorf

16.40 **Zulassung von Medizintechnikprodukten in Japan**
TBA

Closing
Dr. Moerke, Messe Duesseldorf Japan
Dr. Thomas Dietrich, IVAM

Donnerstag 17. November

Microfluidic Enabled Integrated Diagnostic and Analytical Systems

11.00 **Microfluidic & Diagnostics -- Hot Topics**
Dr. Holger Becker, microfluidic ChipShop

11.10 **NEDXA – Nano Electronic Diagnostic Array: Taking Clinical Diagnostics to the Next Level**
Dr. María Luisa Villahermosa, Genomica

11.30 **The RNA Challenge: Detection of RNA-Viruses for Food Safety**
Dr. Holger Becker, microfluidic ChipShop

11.50 **Systox - Individualisierter mikrofluidischer Multiorgan-Chip für die Analyse von substanzinduzierter Toxizität**
Prof. Andreas Kurtz, Charité, Berlin

12.10 **Pocket - Point-of-care System for the Label Free Detection of Bacterial Pathogens**
Bart Geers, University of Gent

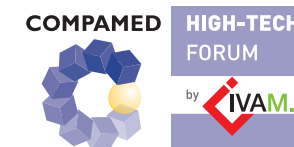
12.30 **RAMAN CTC: Enrichment, Identification and Sorting of Circulating Tumor Cells in a RAMAN Enhanced Microfluidic System**
Dr. Joachim Clement, University Hospital Jena,

12.50 **Optical Multichannel Microfluidic Biochip for Real Time Monitoring of Immunosuppressant Drugs**
Dr. Francesco Baldini, IFAC-CNR

13.10 **Dentirisk - Compact Microfluidic System for Molecular Based Parodontitis-Testing**
Susanne Freyberg, microfluidic ChipShop

13.40 **Round Table Discussion**

IVAM ist der internationale Fachverband für Unternehmen und Institute der Mikrotechnik, Nanotechnologie, Neuen Materialien, MEMS, Optik und Photonik
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