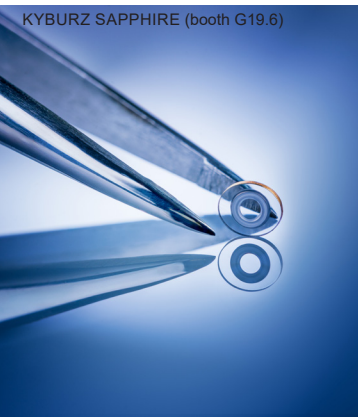


Optiprint AG (booth H19.4)

Hahn-Schickard (booth F29.4)



# EXHIBITOR CATALOG 2023



KYBURZ SAPPHIRE (booth G19.6)

Micro | Nano  
MEMS | Photonics  
Advanced Materials

November 13-16, 2023  
Hall 8a,  
Booth F19, F29, F35, F39,  
G19, H19, H23, H29

## IVAM joint booth High-tech for Medical Devices

Forum Program:

**COMPAMED** HIGH-TECH FORUM  
by **IVAM.**

**IVAM.**  
We make your  
business happen.

## Exhibitors of the IVAM Product Market, Hall 8a

Acuvi, SE	p. 4	H19.3
AEMtec GmbH, DE	p. 4	G19.4
Beutter Präzisions-Komponenten GmbH & Co. KG, DE	p. 4	H29.8
CiS Forschungsinstitut für Mikrosensorik GmbH, DE	p. 4	H23.4
COHERENT, DE	p. 4	H29.7
CorTec GmbH, DE	p. 4	H19.5
EPIC (European Photonics Industry Consortium), FR	p. 5	F35.8
ES SYSTEMS, GR	p. 5	F29.6
FISBAAG, CH	p. 5	G19.7
Fraunhofer Institute for Electronic Nano Systems ENAS, DE	p. 5	G19.5
Fraunhofer Institute for Laser Technology ILT, DE	p. 5	F19.5
Fraunhofer Institute for Microelectronic Circuits and Systems IMS, DE	p. 5	G19.2
Fraunhofer Institute for Reliability and Microintegration IZM, DE	p. 6	H29.2
Hahn-Schickard, DE	p. 6	F29.4
HNP Mikrosysteme GmbH precise pumps - smart solutions, DE	p. 6	F29.5
IMT Precision on Glass, CH	p. 6	G19.1
Innovative Sensor Technology IST AG, CH	p. 6	H29.1
Integrated Mechanization Solutions B.V., NL	p. 6	H23.6
JENOPTIK, DE	p. 7	H19.1
Jobst Technologies GmbH, DE	p. 7	H29.1
KaoLu Enterprise Co. Ltd, TW	p. 7	F19.6
KYBURZ SAPPHIRE Victor Kyburz AG, CH	p. 7	G19.6
LEMO, CH	p. 7	F35.5
LightFab, DE	p. 7	F19.8
LouwersHanique, NL	p. 8	F35.2
MABRI.VISION GmbH, DE	p. 8	H29.5
MABUCHI MOTOR CO., LTD., DE	p. 8	H23.7
Mabuchi Motor Electromag SA, CH	p. 8	H23.7
MedPhab, FI	p. 8	F35.1
Micreon GmbH, DE	p. 8	H29.4
Micro Systems (UK) Ltd, GB	p. 9	F35.3
Microdul AG, CH	p. 9	F19.4
mikrop ag, CH	p. 9	F29.3
Millux BV, NL	p. 9	F35.2
mIQu coordination office for professional training in microtechnology, DE	p. 9	F39
Optiprint AG, CH	p. 9	H19.4
OptoSigma Europe SAS, FR	p. 10	F19.7
PhotonHub, BE	p. 10	F35.8
PI Ceramic GmbH, DE	p. 10	H23.1
Sensirion, CH	p. 10	H19.7
Specialty Coating Systems, DE	p. 10	F19.1
STATICE, FR	p. 10	F29.1
SUSS MicroOptics, CH	p. 11	H19.6
SwissOptic AG, CH	p. 11	H19.1
TDC Corporation, JP	p. 11	F29.2
VICI AG International, CH	p. 11	H23.5
Xavitech Micropumps AB, SE	p. 11	F35.4
Zünd precision optics ltd., CH	p. 11	F29.3

High-tech for Medical Devices

## Welcome,

we would like to invite you to visit the IVAM joint booth „High-tech for Medical Devices“ in hall 8a booth F29.

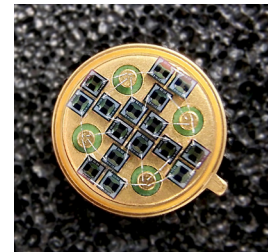


On the more than 600 m<sup>2</sup> IVAM joint area, 50 international companies and institutes of micro- and nanotechnology from eleven nations (Germany, Finland, Switzerland, Greece, Great Britain, France, Sweden, Japan, Taiwan, the Netherlands and the USA) will present solutions for medical technology with the following key technologies:

- Microtechnology
- Nanotechnology
- MEMS
- Photonics and
- New Materials

The companies and institutes will show innovations that make medical technology products increasingly safe, affordable and reliable, such as:

- miniaturized components
- high-tech microelectronics
- innovative laser processes
- functional coatings
- smart sensors
- high-precision structuring, measuring and testing processes



Source: CiS Forschungsinstitut für Mikrosensorik GmbH (booth H23.4)



The IVAM exhibitor catalog includes all profiles of this year's exhibitors, the program of the COMPAMED HIGH-TECH Forum by IVAM, as well as a fair plan and a booth plan and will thereby help you plan your visit in hall 8a. **We are looking forward to welcome you at the IVAM Business Lounge (F29)!**

Your IVAM Team



**Acuvi**  
Uppsala, SE

H19.3

Contact:  
Dr. Gergely Huszka  
  
+46 184 895000  
  
www.acuvi.com  
info@acuvi.com

- Motion solutions for the medtech industry
- OEM engineering, motion control and components
- Direct drive linear motors



**AEMtec GmbH**  
Berlin, DE

G19.4

Contact:  
Matthias Lorenz  
  
+49 30 6392 7300  
  
www.AEMtec.com  
Matthias.Lorenz@aemtec.com

- Cutting-edge Technologies for Packaging Services
- Medical Imaging Systems and Laboratory Diagnostics
- Microsystems & Optoelectronics



**EPIC (European Photonics Industry Consortium)**  
Paris, FR

F35.8

Contact:  
Carlos Lee  
  
+32 473 300433  
  
www.epic-assoc.com  
carlos.lee@epic-assoc.com

- Photonics
- Association
- Networking



**ES SYSTEMS**  
Athens, GR

F29.6

Contact:  
Marina Chatzianastasiou  
  
+30 216 2000 500  
  
www.esenssys.com  
sales@esenssys.com

- Pressure sensors
- Flow sensors
- Internet of things (IoT)



**Beutter Präzisions-Komponenten GmbH & Co. KG**  
Rosenfeld, DE

H29.8

Contact:  
René Meier  
  
+49 7428 933 130  
  
www.beutter.de  
office@beutter.de

- Specialist in CNC-manufacturing precision components
- High quality in small to medium-sized quantities
- Certified to ISO 13485:2016



**CiS Forschungsinstitut für Mikrosensorik GmbH**  
Erfurt, DE

H23.4

Contact:  
Dr. Martin Schädel  
  
+49 361 663 1426  
  
www.cismst.de  
mschaedel@cismst.de

- Development and Prototyping of MEMS and MOEMS
- Silicon based Sensor Technologies
- Microsystem Technologies



**FISBA AG**  
St.Gallen, CH

G19.7

Contact:  
Michael Huber  
  
+41 71 28231 31  
  
www.fisba.com  
info@fisba.com

- Medical Imaging Optics for Endoscopy and Life Sciences
- Optical Solutions for integrated Micro-Vision
- Compact Light Engines



**Fraunhofer Institute for Electronic Nano Systems ENAS**  
Chemnitz, DE

G19.5

Contact:  
Professor Harald Kuhn  
  
+49 371 45001 0  
  
www.enas.fraunhofer.de  
info@enas.fraunhofer.de

- Solutions for Smart Medical Devices
- Wireless Energy and Data Transmission | AI
- Biosensors | Microfluidics



**COHERENT**  
Dieburg, DE

H29.7

Contact:  
Martin Niehuis  
  
+49 8105 3965 4583  
  
www.coherent.com  
sales.germany@coherent.com

- Medical Device Manufacturing
- Laser Marking
- Laser Cutting



**CorTec GmbH**  
Freiburg, DE

H19.5

Contact:  
Patrick Daubinger  
  
+49 761 70 888 200  
  
www.cortec-neuro.com  
sales@cortec-neuro.com

- Development & manufacturing of active implants
- High-channel implantable electrodes in silicone
- Hermetic ceramic encapsulation



**Fraunhofer Institute for Laser Technology ILT**  
Aachen, DE

F19.5

Contact:  
Dr. Georg Meineke  
  
+49 241 8906 0  
  
www.ilt.fraunhofer.de  
georg.meineke@ilt-fraunhofer.de

- Contract research and development in laser technology
- Laser joining of metal, polymer and glas
- Microfluidic sensors & sorters



**Fraunhofer Institute for Microelectronic Circuits and Systems IMS**  
Duisburg, DE

G19.2

Contact:  
Birgit Rolke  
  
+49 203 3783 201  
  
www.ims.fraunhofer.de  
sales@ims.fraunhofer.de

- Electronics, sensors and AI for medical implants
- Optical biosensor systems for In-situ Diagnostics
- Non-invasive Healthcare



# Fraunhofer

IZM

**Fraunhofer Institute for Reliability and Microintegration IZM**  
Berlin, DE

H29.2

Contact:  
Christine Kallmayer  
+49 30 46403 228

www.izm.fraunhofer.de  
christine.kallmayer@izm.fraunhofer.de

- Microelectronics
- Wearables
- Implantable devices



Hahn Schickard

Visions to Products

**Hahn-Schickard**  
Freiburg, DE

F29.4

Contact:  
Dr. Silvia Calabrese  
+49 7612 0373 204

www.Hahn-Schickard.de  
Silvia.Calabrese@hahn-schickard.de

- IVD product development—from design to serial product
- Smart solutions and rapid prototyping
- 3D Electronics Printing



MORE LIGHT

**JENOPTIK**  
Jena, DE

H19.1

Contact:  
Ingolf Reischel  
+49 174 3420724

www.jenoptik.com  
ingolf.reischel@jenoptik.com

- Solutions for life science and medical technology
- Customized development and production
- Enabling diagnostics & therapy



an IST AG company

**Jobst Technologies GmbH**  
Freiburg im Breisgau, DE

H29.1

Contact:  
Dr. Michael Langenmair  
+49 761 5577520

www.jobst-technologies.com  
michael.langenmair@ist-ag.com

- Biosensors
- Continuous
- Glucose Lactate



HNP Mikrosysteme

**HNP Mikrosysteme GmbH**  
precise pumps - smart solutions  
Schwerin, DE

F29.5

Contact:  
Dr. Ralf Ehret  
+49 385 52190 339

www.hnp-mikrosysteme.com  
info@hnp-mikrosysteme.de

- Dosing pumps: flow rates from 1 µl/min to 1152 ml/min
- Dosing and metering in analytical instrumentation
- Dosing systems for the lab



PRECISION ON GLASS

**IMT Precision on Glass**  
Greifensee, CH

G19.1

Contact:  
Dr. Tobias Bauert  
+41 44 9431 900

www.imtag.ch  
info@imtag.ch

- Custom microstructures on glass
- Where Microfluidics meet Photonics
- Microtechnologies



**KaoLu Enterprise Co. Ltd**  
Taichung, TW

F19.6

Contact:  
Jerry Wu  
+886 424 874219

www.genndih.com  
jerry.genndih@gmail.com

- Proportional Pressure Regulator
- Proportional Flow Control Valve
- Proportional Pinch Valve



**KYBURZ SAPPHIRE**  
Victor Kyburz AG  
Safnern, CH

G19.6

Contact:  
Lea Unterrassner  
+41 32 355 2422

www.kyburz-sapphire.ch  
info@kyburz-sapphire.ch

- Optical Components in Sapphire
- Spherical Sapphire Lenses
- Functional Sapphire Windows



physical. chemical. biological.

**Innovative Sensor Technology IST AG**  
Ebnat-Kappel, CH

H29.1

Contact:  
Lejla Sahman  
+41 71 992 03 13

www.ist-ag.com  
info@ist-ag.com

- Physical, chemical and biological sensors
- Temperature Sensors
- Flow Sensors and Modules



**Integrated Mechanization Solutions B.V.**  
Almelo, NL

H23.6

Contact:  
Wietze Jonker  
+31 546 708 368

www.ims-nl.com  
sales@ims-nl.com

- High precision manufacturing equipment
- Precision assembly down to micrometer accuracy
- Optical inspection technology



**LEMO**  
Ecublens, CH

F35.5

Contact:  
Serge Savoiz  
+41 02 1318 8302

www.lemo.com  
sbuechli@lemo.com

- Global leader in high-quality interconnect solutions
- Solutions engineered for high demanding applications
- Medically approved solutions



**LightFab**  
Aachen, DE

F19.8

Contact:  
Claudia Schrepel  
+49 241 913 854 05

www.lightfab.de  
info@lightfab.de

- 3D microfluidics by SLE and USP-laser glass welding
- LightFab 3D Printer, laser machine
- Prototypes and mass production

## LouwersHanique\*



LouwersHanique  
Hapert, NL

F35.2

MABRI.VISION GmbH  
Aachen, DE

H29.5

Contact:  
Michael Kruithof

+31 497 339 696

www.louwershanique.com  
rfq@louwershanique.com

- Glass-to-glass encapsulation for smart implants
- Microfluidic devices
- Precision machining of glass

Contact:  
Martin Isserstedt

+49 241 5652 7930

www.mabri.vision  
info@mabri.vision

- Machine vision
- Automated quality control
- Image processing



Micro Systems (UK) Ltd  
Warrington, GB

F35.3

Contact:  
Alex Clark

+44 7544 872 450

www.medicalmoulds.com  
info@microsystems.uk.com

- Medical Moulds
- Microfluidics
- Soft Mist Inhaler



Microdul AG  
Zürich, CH

F19.4

Contact:  
Adrian Stalder

+41 44 455 35 12

www.microdul.com  
adrian.stalder@microdul.com

- Manufacturing of innovative medical devices
- From active implants to fully assembly of complex equip
- Electronic miniaturisation



MABUCHI MOTOR CO., LTD.  
Frankfurt am Main, DE

H23.7



Mabuchi Motor Electromag  
SA  
Eculens, CH

H23.7

Contact:  
TAKAHIRO YOKOYAMA

+49 151 61983326

www.mabuchi-motor.com  
t.yokoyama.qth@mabuchi-motor.com

- Surgery, Drug delivery, Respiratory, Dental, Robotics
- Brushless DC motor, Brushed DC motor, Diaphragm pump
- Controller, Gear box

Contact:  
Thomas Borter

+41 021 694 25 00

www.electromag.ch  
info@electromag.ch

- Ultra-quiet high-speed brushless DC motors
- Motors for surgical tools, dentistry and blower systems
- Brushless DC motor systems



prime  
optic systems

mikrop ag  
Wittenbach, CH

F29.3

Contact:  
Immo Knoepfel

+41 07 940 90449

www.mikrop.com  
info@mikrop.com

- Micro optics / endoscopy
- Micro objectives / micro lenses
- Micro imaging / micro camera



Leading in micro-precision  
laser processing

Millux BV  
Wijchen, NL

F35.2

Contact:  
W de Man

+31 2 43 78 75 64

www.millux.nl  
info@millux.nl

- Leading specialist in micro-precision laser processing
- Micro Machining / Laser Welding / Drilling / Cutting
- In-house engineering



MedPhab  
Oulu, FI

F35.1



Micreon GmbH  
Hannover, DE

H29.4

Contact:  
Dr. David McGovern

+353 087 3779 644

www.medphab.eu  
david.mcgovern@tyndall.ie

- Prototype
- Medical
- Photonics

Contact:  
Dr. Günter Kamlage

+49 511 277 2030

www.micreon.de  
info@micreon.de

- Laser Micro Machining
- Ultrafast Laser
- Laser Job Shop



miQu  
coordination office for  
professional training in  
microtechnology  
Dortmund, DE

F39

Contact:  
Dr. Jana Schwarze

+49 231 9742 149

www.miqu.tech  
info@miqu.tech

- Customized professional trainings for microtechnology
- Strengthening competitiveness through cooperation
- Based on the project KoWeMi



Innovative PCB Solutions

Optiprint AG  
Bernecke, CH

H19.4

Contact:  
Pascal Oberson

+41 71 747 8686

www.optiprint.ch  
info@optiprint.ch

- Printed Circuit Boards
- Flexible Printed Circuit Boards
- PCB



**OptoSigma Europe SAS**  
Les Ulis, FR

F19.7



**PhotonHub**  
Brussels, BE

F35.8



**SUSS MicroOptics**  
Neuchâtel, CH

H19.6



**SwissOptic AG**  
Heerbrugg, CH

H19.1

Contact:  
Axel Haunholter  
+49 151 2301488

www.OptoSigma.com  
a.haunholter@optosigma-europe.com

- Optics
- Optomechanics
- Optical Tables

Contact:  
Nathalie Debaes  
+33 760 194 784

www.photonhub.eu  
ndebaes@b-phot.org

- Photonics
- One-stop-shop
- Innovation hub

Contact:  
Helena Jelinkova  
+41 07 987 05 585

www.suss-microoptics.com  
helena.jelinkova@suss.com

- Wafer-level micro-optics
- Beam homogenizers, Shack-Hartmann arrays
- Diffractive optical elements

Contact:  
Dr. Heinrich Bürgers  
+41 71 747 04 20

www.swissoptic.com  
swissoptic@swissoptic.com

- F-Theta lens for high precision laser processing
- Ophthalmology and life science applications
- High performance optics



**PI Ceramic GmbH**  
Lederhose, DE

H23.1



**Sensirion**  
Stäfa, ZH, CH

H19.7



**TDC Corporation**  
Miyagi, JP

F29.2



**VICI AG International**  
Schenkon, CH

H23.5

Contact:  
Melina Ramakic  
+49 36604 882 4236

www.piceramic.de  
info@piceramic.de

- Ultrasonic Transducers
- Piezo Actuators
- Piezoelectric Components

Contact:  
Laura Prioli  
+41 44 92713 20  
www.sensirion.com  
laura.prioli@sensirion.com

- Microsensors
- Digital Health
- Microfluidics

Contact:  
Chisato Maeda  
+81 6 6310 7073

www.mirror-polish.com  
tdc@mirror-polish.com

- Ultra-precision lapping and ultra-precision polishing
- High-precision manufacturing in various elements
- Wide range of materials

Contact:  
Leo Okkerse  
+41 41 92562 41

www.vici.com  
leo.okkerse@vici.ch

- Chromatography
- Micro fluidics
- Liquid Handling



**Specialty Coating Systems**  
Pliezhausen, DE

F19.1



**STATICE**  
Besançon, FR

F29.1



**Xavitech Micropumps AB**  
Härnösand, SE

F35.4



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

F29.3

Contact:  
-- --  
+49 0 7127 95554 0

www.scscoatings.com  
SCSSales@scscoatings.com

- Conformal Coating Services
- Parylene Conformal Coatings
- Liquid Conformal Coatings

Contact:  
Sebastien Perrot  
+33 381 484 343

www.statice.com  
contact@statice.com

- Contract Research Development Manufacturing
- Active Medical Device Implants
- Mechatronics
- Silicone Electrospinning

Contact:  
Katja Fabian  
+46 705840084

www.xavitech.com  
katja.fabian@xavitech.com

- Market Leading Lifetime for Demanding Applications
- Built-in Microcontroller with Customized Firmware
- Precision with Low Pulsations

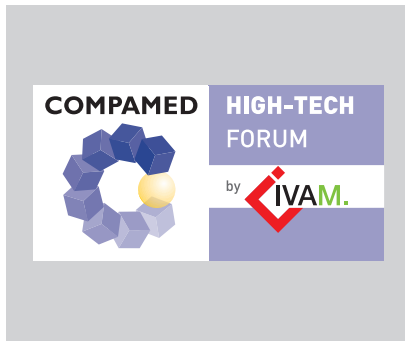
Contact:  
Rainer Trittenbach  
+41 71 737 74 01

www.zuendoptics.com  
r.trittenbach@zuendoptics.com

- World class in Micro Optics and Your Reliable Partner!
- Prism, Beam Splitter, Windows, Mirrors, Wedges
- Cemented Prism Systems



## G40



## H29

H29.4 Micreon	H29.5 MABRI. VISION
Storage	
H29.2 Fraunhofer IZM	H29.7 Coherent
H29.1 Jobst Technologies & IST	H29.8 Beutter

## H23

H23.4 CiS Forschungs- institut	H23.5 VICI AG International
Meeting Room	H23.6 IMS
Storage	H23.7 Mabuchi Motor Electromag & Mabuchi Europe
H23.1 Physik Instrumente	

## H19

H19.4 Optiprint	H19.5 CorTec
	H19.6 SUSS MicroOptics
H19.3 Acuvi	
Storage	H19.7 Sensirion
H19.1 Jenoptik & SwissOptic	

## F39

Storage
Meeting Room

## F35

F35.8 EPIC & PhotonHub	F35.1 MedPhab
IVAM Office	F35.2 Louwers- Hanique & Millux
F35.5 LEMO	F35.3 Micro Systems UK
	F35.4 Xavitech

## F29

F29.1 Stattice	F29.2 TDC	F29.3 Mikrop & Zünd precision optics
IVAM BUSINESS LOUNGE  		
F29.6 ES SYSTEMS	F29.5 HNP Mikrosysteme	F29.4 Hahn- Schickard

## G19

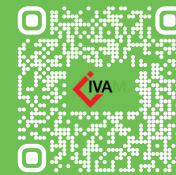
G19.1 IMT Masken und Teilungen	G19.2 Fraunhofer IMS	Storage	G19.4 AEMtec
G19.7 Fisba	G19.6 KYBURZ SAPPHIRE	G19.5 Fraunhofer ENAS	

## F19

F19.1 Specialty Coating Systems	IVAM Storage	Storage	F19.4 Microdul
F19.8 LightFab	F19.7 OptoSigma Europe	F19.6 KaoLu Enterprise	F19.5 Fraunhofer ILT

## IVAM – The International Microtechnology Business Network

IVAM connects professionals in the high-tech industries and supports them in bringing innovative technologies and products to market and gaining a competitive edge in international competition.



www.ivam.com

CONTACT:

Orkide Karasu  
b2b@ivam.de  
+49 231 9742 168



www.medica.de    www.compamed.de

**DÜSSELDORF, GERMANY**  
**13-16 NOVEMBER 2023**  
 Monday – Thursday 10.00 a.m. – 6.00 p.m.

Members of  **MEDICAlliance**

As of: May 24, 2023

**Halls 8a, 8b**

COMPAMED –  
 High-tech solutions for medical technology

**Halls 1, 3    LAB & DIAGNOSTICS**

Laboratory equipment/diagnostic tests

**Halls 4, 5    PHYSIO TECH**

Physiotherapy/orthopaedic technology

**Halls 5, 6, 7a, 7.0, 7.1    DISPOSABLES**

Disposables and consumables

**Halls 9, 10, 11    MED TECH & DEVICES**

Imaging and diagnostics/  
 medical equipment & devices

**Hall 12    DIGITAL HEALTH**

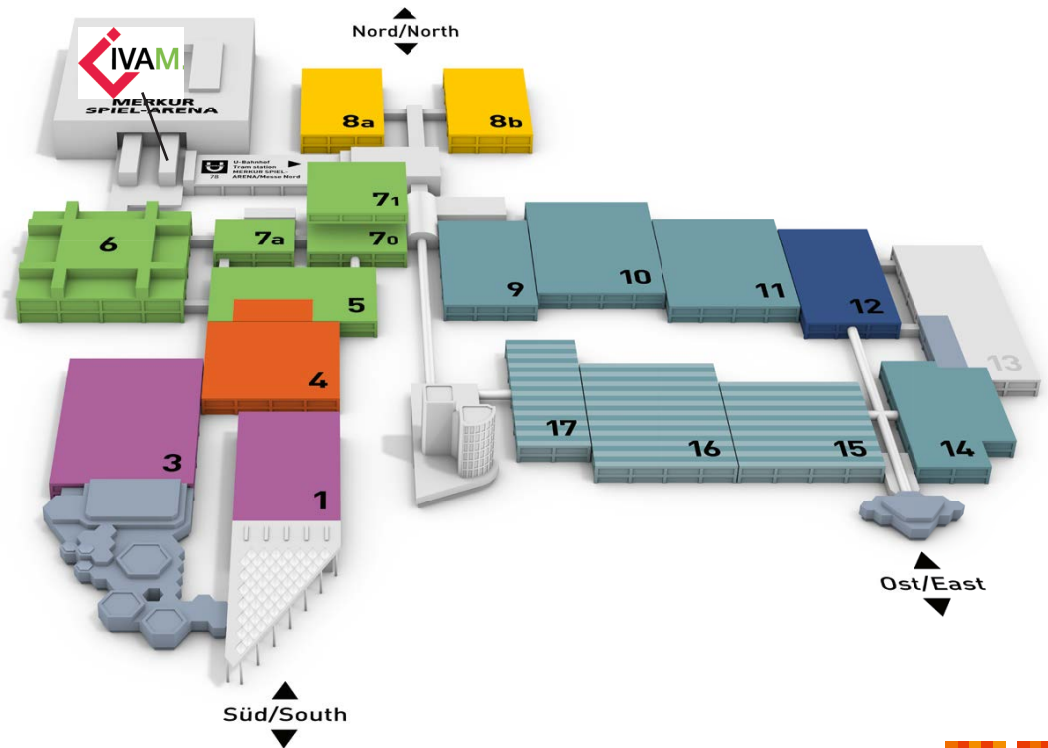
IT systems and IT solutions

**Halls 14    MED TECH & DEVICES**

Hospital equipment, care equipment,  
 operating technology and operating  
 equipment

**Halls 15, 16, 17    MED TECH & DEVICES**

Imaging and diagnostics/  
 medical equipment and devices  
 National and international joint participants





## MONDAY, 13. NOVEMBER

10:50 *Opening***Dr. Thomas R. Dietrich**, IVAM, Dortmund, DE

Scale Up, don't Screw Up: Design for Manufacturing in Printed Electronics and 3D Printing

Session Chair: Ralph Liedert, VTT Technical Research Centre of Finland, Oulu, FI

11:00 *New "Rapid Prototyping" Tool Via Printed 3D Electronics***Dr. Zhe Shu**, Hahn-Schickard-Gesellschaft für angewandte Forschung e.V., Freiburg im Breisgau, DE11:20 *MRL is the New TRL – The Importance of Manufacturing Readiness in Medical Device Development***Ralph Liedert**, VTT Technical Research Centre of Finland, Oulu, FI11:40 *Microfluidic Integrated Electrochemical Biosensors for Point-of-care and Precision Diagnostics***Prof. Amir Sanati Nezhad**, Criticare Dx, Calgary, CA12:00 *NIL-assisted Digital Printing for High Resolution Electrodes***Ulrich Trog**, Joanneum Research Forschungsgesellschaft mbH, Weiz, AT12:20 *Digital Printing Rethought – Customized Inks for Medical Sensors***Dr. Sindy Mosch**, Fraunhofer Institute for Ceramic Technologies and Systems IKTS, Dresden, DE12:40 *Modular Foil Automation for Microfluidic Pilot Production Line***Dr. Waander van Heerde**, Enzyre BV, Nijmegen, NL13:00 *Laser Processes for Manufacturing in Printed Electronics***Alexander Goerk**, HAMAMATSU PHOTONICS Deutschland GmbH, Herrsching am Ammersee, DE

13:20 Break

## Smart Sensor Solutions

Session Chairs: Dr. Jana Schwarze,  
Dr. Victoria Jakobi,  
IVAM, Dortmund, DE13:40 *Comprehensive Conformal Coating Solutions for Medical Technology***Dick Molin**, Specialty Coating Systems-World Headquarters, Indianapolis, US14:00 *Platinum Conductivity Sensors for Dialysis and Other Life Science Applications***Zuzana Pronayova**, Innovative Sensor Technology IST AG, Ebnet-Kappel, CH14:20 *Robust Biosensors for Metabolic Monitoring in Critical Care Applications and Advanced Cell Therapies*  
**Gerhard Jobst**, Jobst Technologies GmbH, Freiburg, DE14:40 *Smart Pump Solutions***Henrik Sjöström**, Xavitech Micropumps AB, Härnösand, SE15:00 *Smart Sensors for Future Medical Services***Christine Kallmayer**, Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, DE15:20 *Precision Polishing Services in Smart Sensor Solutions***Chisato Maeda**, TDC Corporation, Miyagi, JP15:40 *Imaging Technology Developments @ Fraunhofer ENAS***Dr. Mario Baum**, Fraunhofer Institute for Electronic Nano Systems ENAS, Chemnitz, DE16:00 *Silicon-based Microsensors for Medical and Life Science Applications***Dr. Martin Schädel**, CiS Forschungsinstitut für Mikrosensorik GmbH, Erfurt, DE16:20 *Highly-sensitive, Smart Medical Sensors for Improved Diagnostics in Care, Hospitals and at Home***Prof. Karsten Seidl**, Fraunhofer Institute for Microelectronic Circuits and Systems IMS, Duisburg, DE16:40 *Smart Hospital - Aggregating Sensor Data for Operations Optimization***Nikolas Valantassis**, ES Systems, Koropi - Athen, GR

17:00 End of Session

## TUESDAY, NOVEMBER 14

Europe meets USA - High-Tech for Medical Devices

Session Chairs: Dr. Jens Ebnert  
Ebnert Medical GmbH, Schwerin, DE  
Dr. Victoria Jakobi & Dr. Jana Schwarze  
IVAM, Dortmund, DE10:50 *Opening***Dr. Thomas R. Dietrich**, IVAM, Dortmund, DE11:00 *Navigating the Future of Medical Technology: Overcoming Challenges and Delivering Global Innovation***Tom Poplawski**, Teguar, Charlotte, US11:15 *Removing the Roadblocks: Plotting a Path for Medical Device Innovation***Dr. Bernd Vogel**, Alleima, Palm Coast, US11:30 *Synergies for the EU Authorised Representative, UK Responsible Person and Swiss Authorised Representative*  
**Ludger Moeller**, MDSS USA LLC, Chicago, US

- 11:45 *High Performance Magnetics for Medical Applications*  
**Mike Schilling**, Dexter Magnetic Technologies, Elk Grove Village, US
- 12:00 *Adding Functionality and Increased Performance to your Medical Device Components*  
**Brian Reilly**, ProMed Molded Products, Plymouth, US
- 12:15 *Far, Near or Here: Why Medical Device Manufacturers are Talking about the Shore Thing*  
**Albert van de Liefvoort**, Providence Enterprise, Newport Beach, US
- 12:30 *Thin Wall: Molded Cannula's*  
**Paul Runyan**, Accumold, Ankeny/Iowa, US
- 12:45 *IMicromechanical Performance of Fluoropolymer Coatings in the Design and Manufacturing of Interventional Catheters*  
**Kyle Hedges**, Applied Plastics, Norwood, US
- 13:00 *The Benefits of a Medical Device Contract Coating Specialist for you Coating Needs*  
**Todd Paulsen**, Formacoat, Chaska, US
- 13:15 *Enhancing Stimulation and Sensing of Electrodes for Medical Device Applications with Innovative Coatings*  
**Andreas Reisinger**, Heraeus Medevio, Fridley, US
- 13:30 *TyFlo™ – A Revolutionary Adhesive Strike Layer for PTFE Reflow in Catheter Manufacturing*  
**Todd Milne**, Nordson MEDICAL, Minneapolis, US
- 13:45 *New Technologies from Humphrey Products: 10mm Liquid Valve for Agressive Media and New Piezo Valve*  
**Michael Craig**, Humphrey Products, Kalamazoo, US
- 14:00 *Reimagining Electrodes and Wearable Device*  
**Aditi Subramanin**, FLEXcon Company Inc., Spencer, US
- 14:15 *Integration of the Spot Check Devices and Continuous Wearable Telemetry with RTLS*  
**Dr. Chihcheng Lu**, Biosensetek, Morristown, US
- 14:30 *Revolutionizing Chronic Implantations Through Advancements in MEMS Sensor Technology*  
**Valor Thomas**, Millar, Pearland, US
- 14:45 *How to Accelerate Implantable R&D with the Velentium Platform*  
**Chester Burress**, Velentium, Katy, US
- 15:00 *Remote Patient Monitoring Made Easy & Done Right*  
**William Dos Santos**, Accuhealth, Saint Petersburg, US
- 15:15 *Wireless Video for the OR*  
**Dr. Uri Kanonich**, Teradek, Irvine, US

- 15:30 *Product Design & Development - Medical and Diagnostic Devices*  
**Fernando Oliveira**, Veranex, Providence, US
- 15:45 *Needlefree Injections are the FUTURE and the FUTURE is here!*  
**Mark Timm**, Integrimedical, Bainbridge, US
- 16:00 *Solving the Global Problem of Incontinence*  
**John Barry**, InControl Medical LLC, Sarasota, US
- 16:15 *End of Session*  
**Jens Ebnet**, Ebnet Medical GmbH, Schwerin, DE  
**Dr Thomas R. Dietrich**, IVAM Microtechnology Network, Dortmund, DE
- 16:30 *Opening Networking Europe meets USA: Networking, Snacks and Drinks in the IVAM Lounge (Hall 8a, booth F29) (participation free of charge for exhibitors and visitors, but registration is needed beforhand)*  
**Ryan Klemm**, Messe Düsseldorf North America, Chicago, Illinois, US  
**Dr. Thomas R. Dietrich**, IVAM, Dortmund, DE
- 18:00 End of Networking

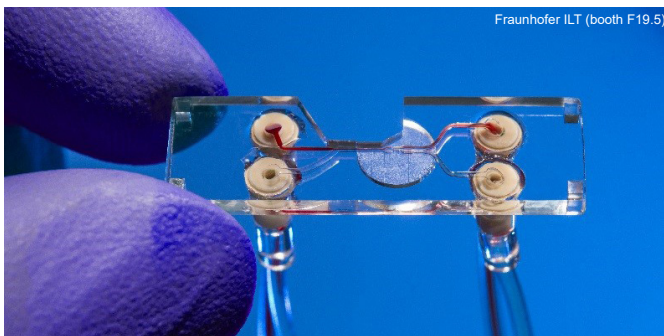
## WEDNESDAY, NOVEMBER 15

## Laser and Photonics Applications - EPIC Tech Watch

Session Chair: Antonio Castelo  
EPIC – European Photonics Industry Consortium, Paris, FR

- 11:00 *Optimisation of Quality and Throughput in Laser processing of Medical devices through Process Control and Automation*  
**Roland Woelzlein**, Coherent, Dieburg, DE
- 11:20 *Optical Excellence in Life Science & Medical Applications*  
**Dr. Martin Forrer**, FISBAAG, St. Gallen, CH





- 11:40 *Micro-Optics as Key Components in Healthcare Applications*  
**Aurea Ripoll**, SUSS MicroOptics SA, Hauterive, CH
- 12:00 *Surface Modifications to Sapphire Optical Components*  
**George Kyburz**, KYBURZ SAPPHIRE, Safnern, CH
- 12:20 *High Quality Imaging in Small Spaces - Endoscopes for OEM Integration*  
**Hannes Weise**, JENOPTIK Optical Systems GmbH, Jena, DE
- 12:40 *Production and Application of SiC Mirrors in Photonics Sector*  
**Axel Haunholter**, OptoSigma Europe SAS, Les Ulis, FR
- 13:00 *Thermoelectrics in Laser and Photonic Applications for the Medical Market*  
**Jonathan Degen**, Ferrotec Europe GmbH, Untertensingen, DE
- 13:20 *Micro Camera Modules for Medical Use*  
**Antonio Gomes**, OptaSensor GmbH, Nuremberg, DE
- 13:40 *Fostering Innovation in MedTech Through Smart Multifunctional Biophotonic Glass Microcomponents*  
**Renato Mutton**, FEMTOprint, Muzzano, CH
- 14:00 Break

IVAM Focus Group Session: Microfluidics Session Part I: Integration and Combination of Microfluidic Components Generating Solutions for Life Sciences

Session Chair: Florian Siemenroth  
 Bartels Mikrotechnik GmbH, Dortmund, DE

- 14:20 *From Chip-in-a-Lab to Lab-on-a-Chip - Integrable Microfluidic Components at a Minimal Footprint*  
**Florian Siemenroth**, Bartels Mikrotechnik GmbH, Dortmund, DE



- 14:40 *Screening and Sorting with Laser-made Microfluidics*  
**Dr. Georg Meineke**, Fraunhofer-Institut für Lasertechnik ILT, Aachen, DE
- 15:00 *Personalized Cosmetics - Precise Dosing of High- and Low-viscosity Liquids*  
**Dr. Anne Ringlepp**, HNP Mikrosysteme GmbH, Schwerin, DE
- 15:20 *Where Photonics meet Microfluidics - Life Sciences Consumables in Glass*  
**Dr. Tobias Bauert**, IMT Masken und Teilungen AG, Greifensee, CH
- 15:40 *Piezo Components & Devices for Liquid Handling in Medical Systems*  
**Sandra Niederschuh**, PI Ceramic GmbH, Lederhose, DE
- 16:00 *Minimum Size, Maximum Performance: Discover the Potential of Miniaturizing Fluid Handling with Shape Memory Alloy!*  
**Dr. Hinnerk Oßmer**, memetis GmbH, Karlsruhe, DE
- 16:20 *Hands-on-Session*  
**Florian Siemenroth**, Bartels Mikrotechnik GmbH, Dortmund, DE  
**Dr. Claudia Gärtner**, microfluidic ChipShop GmbH, Jena, DE
- 16:40 End of Session

THURSDAY, NOVEMBER 16

Microfluidics Session Part II: Microfluidic-based Diagnostic and Life Science Consumables - From Idea to Viable Product

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

- 11:20 *Not Failing When Scaling: Design for Manufacturability Considerations for Lab-on-a-Chip Cartridges*  
**Dr. Claudia Gärtner**, microfluidic ChipShop GmbH, Jena, DE



- 11:40 *Integrated Pathogen and Resistance Identification - Towards Mobile Phone Based Diagnostics*  
**Dr. Jörg Nestler**, BiFlow Systems GmbH, Chemnitz, DE
- 12:00 *We Are on a Roll – Flexible Mass Production of Customized Diagnostics*  
**Dr. Jan Kafka**, Inmold A/S, Nivå, DK  
**Dr. Anja Haase**, JOANNEUM RESEARCH Forschungsgesellschaft mbH, Weiz, AT
- 12:20 *The Microfluidics Innovation Hub: Towards Scale-Up and Commercialization of Microfluidic Solutions for Clinical, Industrial, and Research Applications*  
**Divesh Baxani Kamal**, Microfluidics Innovation Hub, Weiz, AT
- 12:40 *Challenges of Developing High-precision Fluid Management Products Based on State-of-the-Art Technologies for Life Sciences and Diagnostics*  
**Bruno Charléty**, Fluigent, Le Kremlin-Bicêtre, FR
- 13:00 *Advanced Control in Microfluidics*  
**John Watson**, LEE Ventus (Part of The Lee Company), Cambridge, GB
- 13:20 End of Session



# EUROPE meets USA - Part IV

HIGH-TECH FOR MEDICAL DEVICES

**NOV. 14, 2023**

at COMPAMED / MEDICA

**COMPAMED**

**FREE**  
for trade visitors

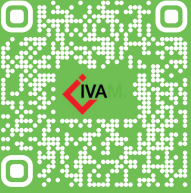
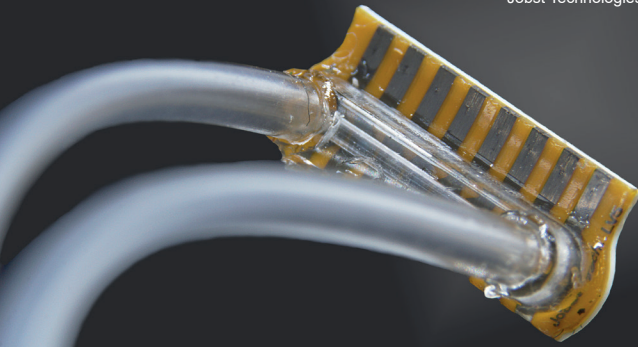


Thanks to our Business Partners



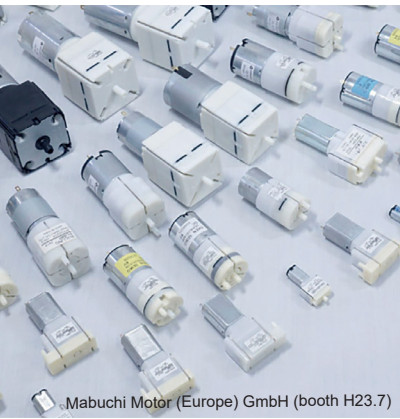
Stadt Dortmund  
Wirtschaftsförderung





[www.ivam.com](http://www.ivam.com)

IMS - Integrated Mechanization Solutions (booth H23.6)



Mabuchi Motor (Europe) GmbH (booth H23.7)

## Further Information

IVAM Product Market  
High-tech for  
Medical Devices

Contact:  
Orkide Karasu  
**[b2b@ivam.de](mailto:b2b@ivam.de)**  
+49 231 9742 168

Thanks to:



im Rahmen des geförderten Projektes KoWeMi