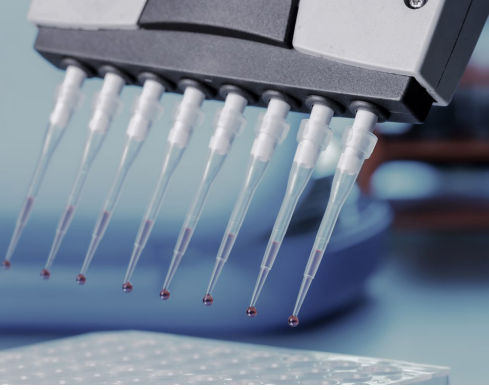
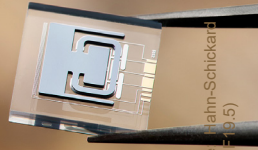


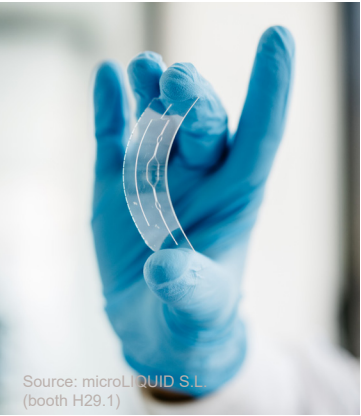
Source: science photo / Fotolia
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EXHIBITOR CATALOG 2019



Source: Hahn-Schickard
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Source: microLIQUID S.L.
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Micro I Nano
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Advanced Materials

November 18-21, 2019

Hall 8a,

Booth F19, F29, F34, F35,
F39, G19, H19, H23, H29

IVAM Product Market High-tech for Medical Devices

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Exhibitors of the IVAM Product Market, Hall 8a

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Product Market High-tech for Medical Devices

Welcome,

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In Hall 8a, the IVAM pavillion showcases solutions for medical technology on 700 sqm of space. The key technologies to these solutions are

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We are looking forward to meeting you in the IVAM Business Lounge, hall 8a, booth F29!

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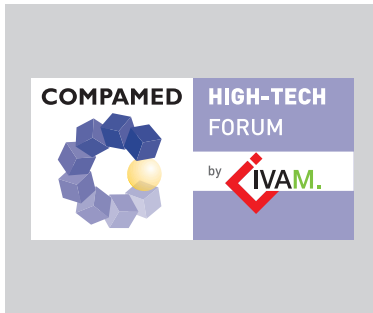
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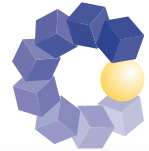
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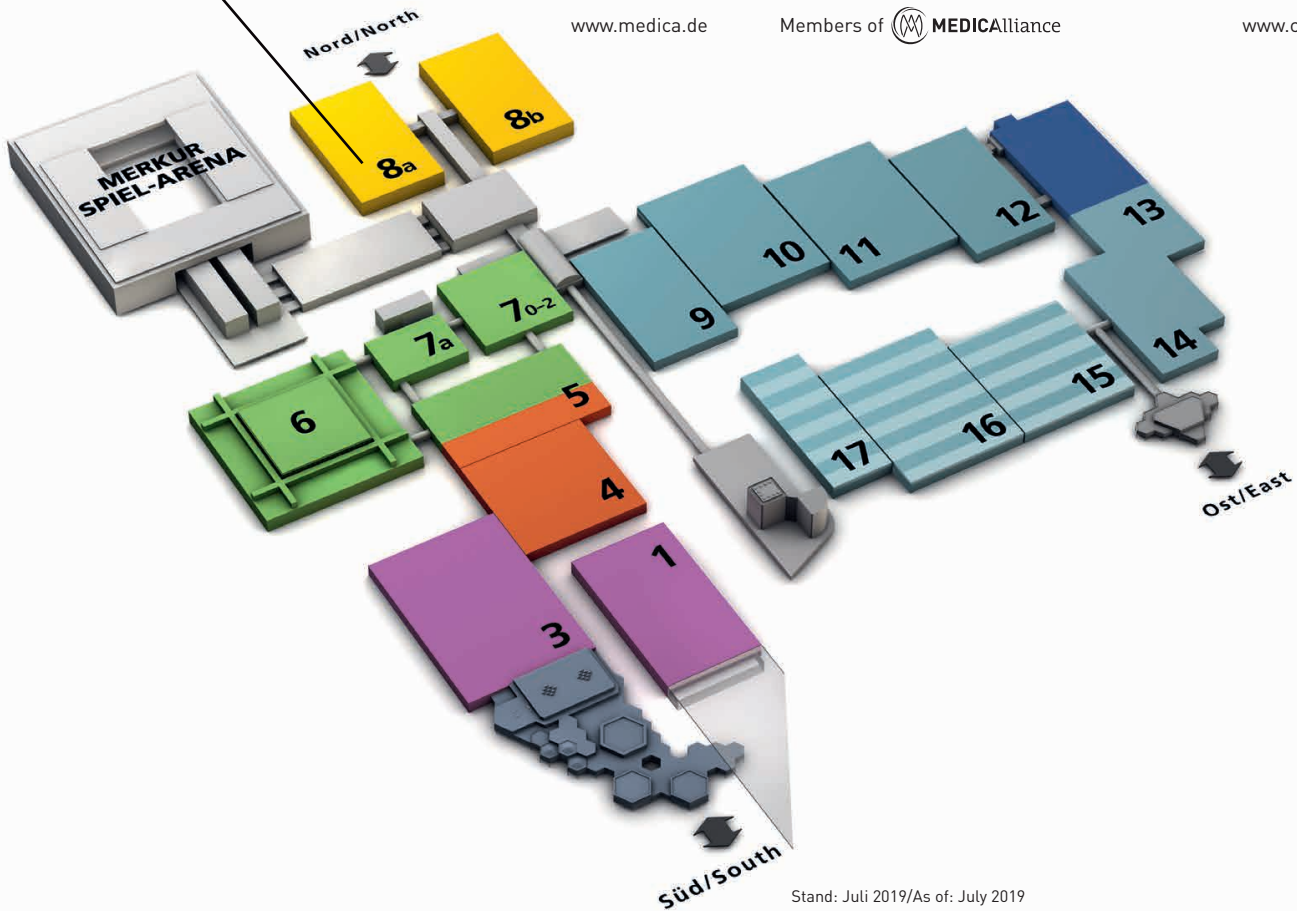
Montag - Donnerstag 10.00 - 18.00 Uhr
Monday - Thursday 10.00 a.m. - 6.00 p.m.

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Stand: Juli 2019/As of: July 2019

Monday, November 18

11.45 *Opening*
a.m. **Dr. Thomas Dietrich**,
IVAM Microtechnology Network, Dortmund, DE

Session: Printed Electronics, 3-D Diagnostics, 3-D Printing

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

11.50 *Consumables for Life Science and Diagnostics:
Manufacturing and Standardization in a Glass Foundry*
a.m. **Dr. Alexios Tzannis**,
IMT Masken und Teilungen AG, Greifensee, CH

12.10 *Quo Vadis – High-Precision 3D Printing
in Medical Technology*
p.m. **Yannick Dupuis**, Multiphoton Optics GmbH, Würzburg, DE

12.30 *Bringing Medical Models to live with 3D Printing*
p.m. **Arnaud Toutain**,
Stratasy GmbH, Rheinmuenster, DE

12.50 *Digital Microfluidics Valve for Low Cost
Point-of-Care Diagnostics*
p.m. **Markku Känsäkoski**, Ginolis Oy, Oulu, FI

1.10 *Printed Electronics Integration for Medical Devices*
p.m. **Roelof C.W. Aalpoel**, Screenshot Oy, Oulu, FI

1.30 *Elastics Sensors for Healthcare
and Wellness Applications*
p.m. **Teemu Alajoki**,
VTT Technical Research Centre of Finland, Oulu, FI

1.50 *Connection between 3D Printer and Medical*
p.m. **Satoru Takeishi**, JMC Corporation, Yokohama, JP

2.10 *Pitching Session with Start-ups*
p.m.

2.30 **Break**
p.m.

**Dutch Session**

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

2.50 *Micro- and Nanotechnologies
in Medical Devices in the Netherlands*
p.m. **Henne van Heeren**, EnablingMNT, Dordrecht, NL

3.20 *How the Dutch Ecosystem
Results in a Functional Product*
p.m. **Coen van Kalken**, Quirin Diagnostics, Amsterdam, NL

3.50 *Foundry Service for Microfluidic
Components in Diagnostics*
p.m. **Robin de Bruijn**,
Philips Innovation Services, Eindhoven, NL

4.20 *Will Next-Generation Microfluidics
Drive your Future Products*
p.m. **Dr. Mark Olde Riekerink**,
Micronit Microtechnologies B.V., Enschede, NL

Tuesday, November 19**Session: Laser and Photonics Applications / EPIC Tech Watch**

Session Chair: Dr. Jose Pozo,
EPIC - European Photonics Industry Consortium, Eindhoven, NL

10.40 *Black Marking - Perfect for Permanent UDI*
a.m. **Thorsten Ferbach**, COHERENT Munich GmbH & Co.
KG, Gilching, DE

11.00 *More Light – System Solutions for
Healthcare and Life Science Applications*
a.m. **Dr. Ute Hofmann**,
JENOPTIK Optical Systems GmbH, Jena, DE

11.20 *Laser Based Production of
Polymer Microfluidics Components*
a.m. **Maximilian Brosda**,
Fraunhofer-Institut für Lasertechnik ILT, Aachen, DE

11.40 *Magic Hollow Micro-Needle for Diabetes*
a.m. **Yoichi Oikawa**, Think-Lands Co., Ltd, Yokohama, JP

12.00 *Microstructuring Applications for Medical Industry
using Femtosecond Laser*
p.m. **Raul Garcia**, Microrelleus, S.L., Barcelona, ES

12.20 *Precise Power and Energy Measurement with a*
p.m. *New Generation of High Speed Laser Sensors*
Sergio Pellegrino, Laserpoint Srl, Milan, IT

12.40 *Ramping up Production of Photonic*
p.m. *Components for Medical Applications using*
the European Pilot Lines in Photonics
Ana Gonzalez, EPIC - European Photonics Industry
Consortium, Barcelona, ES

1.00 *New Photonic Approaches for a Rapid*
p.m. *On-Site Diagnosis of Infectious Diseases*
Joerg Weber, Leibniz-IPHT Jena /
Biophotonics Diagnostics GmbH, Jena, DE

1.20 *Raman Spectroscopy Guided Tumor Surgery*
p.m. **Dr. Claus Schaffrath**, SurGuide B.V., Rotterdam, NL

1.40 *SPIDTM platform for easy infectious*
p.m. *and metabolic disease diagnostic*
Hugues Tariel, DIAFIR, Rennes, FR

2.00 **Break**
p.m.



Session: Digitalization of Medical Equipment

Session Chair: Niklas Kuczaty,
VDMA - Arbeitsgemeinschaft Medizintechnik, Frankfurt, DE

2.20 *Industrial Security and Medical Equipment*
p.m. **Steffen Zimmermann**,
VDMA - Industrial Security, Frankfurt, DE

2.40 *How to bring Medical Equipment on the*
p.m. *level "High" of the new EU Cybersecurity Act?*
Dr. Detlef Houdeau, Infineon AG, Neubiberg, DE

3.00 *A critical discussion of current*
p.m. *Trends & Hypes in IT Security*
Prof. Dr. Andreas Schaad,
Hochschule Offenburg, Offenburg, DE

3.20 *How to combine Security and*
p.m. *New Business Models for Medical Equipment*
Oliver Winzenried, WIBU-SYSTEMS AG, Karlsruhe, DE

3.40 *Cyber Security for Medical Devices –*
p.m. *How will the Future Look Like?*
Dr. Georg Heidenreich,
Siemens-Healthineers, Erlangen, DE

4.00 **Break**
p.m.

Session: Japanese Precision Manufacturing for Medical Devices

Session Chair: Hitoshi Koyano,
EU-Japan Centre for Industrial Cooperation, Tokyo, JP

4.20 *Value-Creating Technology from Yokohama*
p.m. **Katsuhiko Saho**, Yokohama Industrial Development
Corporation, Yokohama, JP

4.40 *Possibility of Collaboration with Japanese SMEs,*
p.m. *Hidden Champions*
Chikatosh Takayama, Organization for Small & Medi-
um Enterprises and Regional Innovation, Tokyo, JP

5.00 *Ideas from Tokyo,*
p.m. *Unique Micro Tech for Medical Devices*
Yuichi Hotta,
Ota City Industrial Promotion Organization, Tokyo, JP

Wednesday, November 20

Session: Smart Sensor Solutions

Session Chair: Mona Okroy-Hellweg, IVAM, Dortmund, DE

10.30 *Non-Invasive Monitoring of*
a.m. *Important Cardiovascular Parameters*
Dr. Martin Jahn,
CiS Forschungsinstitut für Mikrosensorik GmbH, Erfurt, DE

10.50 *MEMS Capacitive Pressure Sensors for Medical Applications*
a.m. **Nikolaos Valantis-Kanellos**, ES Systems, Koropi, GR

11.10 *Localization of Miniaturized Measurement*
a.m. *Sensors in Bioprocesses*
Sven Lange, Fraunhofer-Institut für Elektronische
Nanosysteme ENAS, Paderborn, DE

11.30 *Autonomous Biosensor Based Systems*
a.m. **Gerhard Jobst**, Jobst Technologies GmbH, Freiburg, DE

11.50 *Safety Considerations in Invasive Pressure Sensing*
a.m. **Dr. Justin Gaynor**, Silicon Microstructures, Inc., Milpitas, US

12.10 *Tailor-Made Coatings for Smart Sensors*
p.m. **Dr. Anke Schuetz-Trilling**, Surfix BV, Wageningen, NL

12.30
p.m. **Break**

Session: Microprecision, Manufacturing and Processing

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

12.50 *Specifying Connectors and Cables for Medical Applications*
p.m. **Serge Buechli**, LEMO S.A., Ecublens, CH

1.10 *Assembly and Test of Medical Filters*
p.m. **Dr. Michael Wagner**, SIM Automation GmbH,
Heilbad Heiligenstadt, DE

1.30 *Ultra-Precise Micro-Alignment of Medical Optics-
New Platform Solution by Berliner Glas*
p.m. **Dr. Erik Blazek**,
Berliner Glas KGaA Herbert Kubatz GmbH & Co., Berlin, DE

1.50 *Monitoring of medical technology accessories using RFID*
p.m. **Vasil Dobrev**, Micro-Sensys GmbH, Erfurt, DE

2.10 *Challenges at Process Validation
of Optical Injection Molded Parts*
p.m. **Philipp Neuhaus**, VIAOPTIC GmbH, Wetzlar, DE

2.30
p.m. **Break**



Session: Equipment Manufacturer meets Component Manufacturer

Session Chairs: Rim Stroeks,
Enterprise Europe Network, Muelheim an der Ruhr, DE
Dr. Thomas R. Dietrich, IVAM, Dortmund, DE

2.50 *Opening*
p.m. **Rim Stroeks**, Sector Group Micro- and
Nanotechnologies, Eindhoven, NL

Dr. Thomas R. Dietrich, IVAM Microtechnology
Network, Dortmund, DE

3.00 *Introduction of Networks and 10 Pitches*
p.m. **Benno Weissner**, ZENIT GmbH,
Muelheim an der Ruhr, DE

Dr. Thomas R. Dietrich, IVAM Microtechnology
Network, Dortmund, DE

3.25 *End of Session and Start Guided Tour at the IVAM Joint
Pavilion for Registered Equipment Manufacturers and
Component Manufacturer*
p.m. **Benno Weissner**, ZENIT GmbH,
Muelheim an der Ruhr, DE

Dr. Thomas R. Dietrich, IVAM Microtechnology
Network, Dortmund, DE

3.25
p.m. **Break**

Session: Tokyo Metropolitan Government

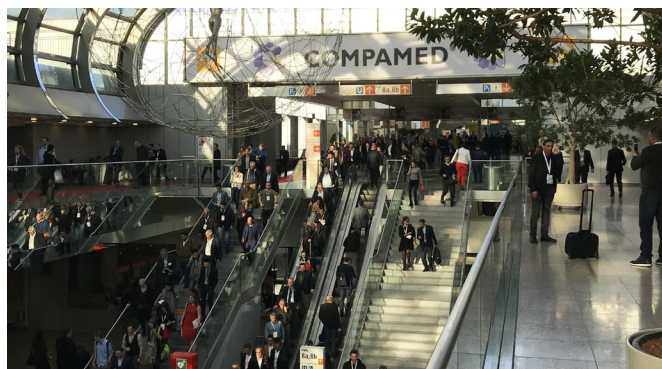
Session Chair: Mayuko Tsuruoka,
Mizuho Information and Research Institute, Inc., Tokyo, JP

3.45 *Opening Remarks*
p.m. **Jun Saito**, Tokyo Metropolitan Government, Tokyo, JP

3.50 *DeepD: An AI-aided Diagnosis Systems*
p.m. **Hamza Ichchou**, Corpy&Co., Inc., Tokyo, JP

4.00 *Echo Marked Disposable Needles for Anesthesia and
Biopsy*
p.m. **Ryuhei Fujikami**, Dr. Japan Co., Ltd., Tokyo, JP

- 4.10 *Electrophysiological Devices for Evaluation of Efferent/
Afferent Nervous Defects*
p.m. **Satoe Ishii**, INTERCROSS CORPORATION, Tokyo, JP
- 4.20 *High-precision Processing of
Medical Needles and Cannulas*
p.m. **Yaeno Hori**, Nihon Chushashin Kogyo Co., Ltd., Tokyo, JP
- 4.30 *All-resin Forceps:
Disposable, Light Weight and Environmentally friendly*
p.m. **Shigeru Takemoto**, Nisshin Industrial Ltd., Tokyo, JP
- 4.40 *High-precision CNC Machining Parts of Metal and
Plastic Components*
p.m. **Yuzo Asano**, Shimura Precision Co., Ltd., Tokyo, JP
- 4.50 *Motor Driven Pipetting Head Unit for Lab Automation*
p.m. **Akira Watanabe**, STACK SYSTEM Co., Ltd., Tokyo, JP
- 5.00 *Membrane Switch and Capacitive Film Sensor Based on
Printed Electronics Technology*
p.m. **Yoko Kojima**, TDI ELECTRONICS Co., Ltd., Tokyo, JP
- 5.10 *Radiation Shielding Sheet by
Tungsten / Bismuth Coated Fibers*
p.m. **Nobuyuki Suzuki**, Telepower Inc., Tokyo, JP
- 5.20 *Radiation Shielding Sheet by
Tungsten/Bismuth Coated Fibers*
p.m. **Aki Ishikawa**, Yosh International Co., Ltd., Tokyo, JP
- 5.40 *Networking Event*
p.m. **Tokyo Metropolitan Government**, Tokyo Metropolitan
Government, Tokyo, JP
- 7.00 *End of Networking*
p.m.



Thursday, November 21

**Session: Microfluidics - The Key Enabling Technology for
Diagnostics and Life Science Consumables**

Session Chair: Dr. Holger Becker, microfluidic ChipShop

- 10.00 *Disc Pump: A Compact, Versatile and High-Precision
a.m. Pump for Next-Generation Microfluidics*
John Watson, TTP Ventus, Melbourn, GB
- 10.20 *Human Microfluidically Supported Organ-Models in
a.m. Basic Research and Drug Testing*
Dr. Knut Rennert, Dynamic42 GmbH, Jena, DE
- 10.40 *Fluid Filters as a Protection Tool for Pumps and Analytical
a.m. Devices – New HNPM F-MI Filter Series*
Dr. Ralf Ehret, HNP Mikrosysteme GmbH, Schwerin, DE
- 11.00 *Bioassay Translation and Sample Prep Proces
a.m. Dr. Luis J Fernández,*
microLIQUID S.L., Mondragon Guipúzcoa, ES
- 11.20 *Piezo-Based Microfluidic Solutions
a.m. for Micropumps and Sensor Management*
Frank Möller,
Physik Instrumente (PI) GmbH & Co.KG, Karlsruhe, DE
- 11.40 *Fast Prototyping and Industrial Serial Manufacturing of
a.m. Lab-On-A-Chip and Organ-On-A-Chip Systems*
Harald Denz, DENZ BIO-Medical GmbH, Mäder, AT
- 12.00 *Raman Trapping Microscopy for Label-Free and
p.m. Fast Analysis of Cells and Bacteria in Fluidics*
Dr. Karin Schütze, CellTool GmbH, Tutzing, DE
- 12.20 *Diagnostics Applications made of
p.m. Non-CMOS Compatible Materials on Glass*
Dr. Alexios P. Tzannis,
IMT Masken und Teilungen AG, Greifensee, CH
- 12.40 *More than the Sum of its Parts:
p.m. A Holistic Approach to Microfluidic Solutions*
Dr. Holger Becker, microfluidic Chipshop GmbH, Jena, DE
- 1.00 *New Perspectives for Single-use Microfluidic Devices*
p.m. **Alain Germain**, CG.TEC - Part of Dedienne
Multiplasturgy Group, Frasné, FR
- 1.20 **Break**
p.m.

Session: JETRO Seminar – Open Innovation and University Collaborations between Japan and Germany

Session Chair: Masayoshi Watanabe,
JETRO (Japan External Trade Organization), Duesseldorf, DE

1.40 *Welcome Remarks by JETRO Düsseldorf*

p.m. **Masayoshi Watanabe**,
JETRO Düsseldorf, Duesseldorf, DE

1.45 *Industry-Academia Collaboration in Japan /*

p.m. *Cooperation with Charite University Berlin*
Chisato Mori, Chiba University, Chiba, JP

2.00 *Meet the KASHIWANOHA a*

p.m. *New Innovative Hub Near Tokyo!*
t.b.a., Chiba Prefecture, Chiba, JP

2.05 *Invest Miyagi / Ideal Environment for Business and Living*

p.m. **Yoshiko Narita**, Miyagi Prefecture, Miyagi, JP

2.10 *Energy Innovation by AZUL Catalyst Technology /*

p.m. *Research Result of Therapeutic Instrument for Cholecystitis*
Koju Ito, AZUL Energy Inc., Miyagi, JP
Koichiro Miyamoto, Tohoku University, Miyagi, JP

2.25 *Presentation by Ibaraki Prefecture*

p.m. **Kaoru Kikyodani**, Ibaraki Prefecture, Ibaraki, JP

2.30 *Success Cases of German-Japanese Collaboration*

p.m. **t.b.a**

2.45 *Presentation by Kobe City*

p.m. **Naoko Sugisako**, Kobe City, Kobe, JP

2.50 *Open Innovation Between*

p.m. *German and Japanese Companies*
t.b.a, Foundation for Biomedical Research and Innovation at Kobe, Kobe, JP

3.05 *Why Kanagawa?*

p.m. *Business Environment & Investment Incentives*
Taisuke Higuchi, Kanagawa Prefecture, Kanagawa, JP

3.10 *Innovation City Yokohama*

p.m. **Takeshi Tamai**, Yokohama City, Yokohama, JP

3.15 *Success Cases of Investing in Japan*

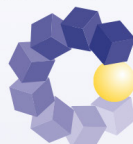
p.m. **Jürgen Böck**,
FESTO AG & Co. KG, Esslingen, Esslingen, DE

3.30

p.m. **Networking Reception with Snacks and Drinks**

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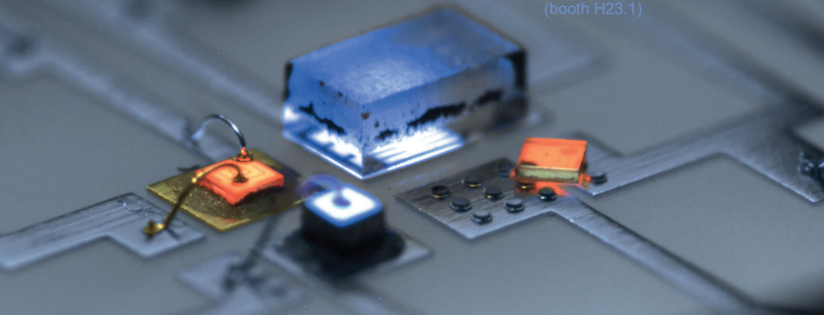
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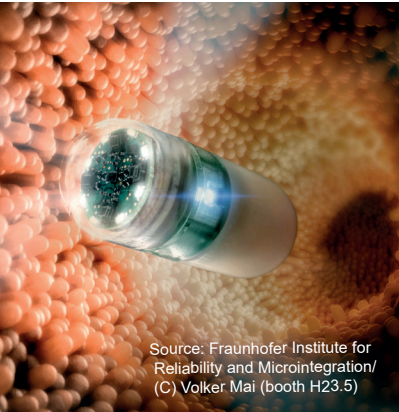
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Source:PI Ceramic GmbH (booth H23.3)



Source: Fraunhofer Institute for
Reliability and Microintegration/
(C) Volker Mai (booth H23.5)

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