Session: Printed electronic and 3D-printing
Session Chair: Ilkka Kaisto, VTT Technical Research Centre of Finland, Oulu, FI

11:45–11:50 h
Opening
Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE

11:50–13:10 h
Consumables for life science and diagnostics: manufacturing and standardization in a glass foundry
Dr. Alexios Paul Tzannis, IMT Masken und Teilungen AG, Greifensee, CH

12:10–12:30 h
Quo vadis – High-precision 3D-printing in medical technology
Yannick Dupuis, Multiphoton Optics GmbH, Wurzburg, DE

12:30–12:50 h
Bringing medical models to life with 3D-printing
Arnaud Toutain, Stratasys GmbH, Rheinmuenster, DE

12:50–13:10 h
Digital microfluidics valve for low cost point of care diagnostics
Markku Känäkoski, Ginolis Oy, Oulu, FI

13:10–13:30 h
Printed electronics integration for medical devices
Roelef C.W. Aalpoel, Screentec Oy, Oulu, FI

13:30–13:50 h
Elastic sensors for healthcare and wellness

14:00–14:30 h
Pitching session with start-ups

14:30–14:50 h
Break

14:50–16:50 h
Ramping up production of photon microfluidics components
Maximilian Brosda, Fraunhofer-Institut für LaserTechnik ILT, Aachen, DE

15:20–15:40 h
Precise power and energy measurement with a new generation of high speed laser sensors
Sergio Pellegrino, Laserpoint Srl, Milan, IT

16:20–16:50 h
Will next-generation microfluidics drive your future products?
Dr. Mark Olde Riekerink, Micronit Microtechnologies B.V., Enschede, NL

Session: Laser and photonics applications EPIC tech watch
Session Chair: Dr. Jose Pozo, EPIC – European Photonics Industry Consortium, Eindhoven, NL

10:40–11:00 h
Black marking – perfect for permanent UDI
Thorsten Ferbach, COHERENT Munich GmbH & Co. KG, Gilching, DE

11:00–11:20 h
More light – system solutions for healthcare and life science applications
Dr. Ute Hofmann, JENOPTIK Optical Systems GmbH, Jena, DE

11:20–11:40 h
Laser based production of polymer microfluidics components
Maximillian Brosda, Fraunhofer-Institut für LaserTechnik ILT, Aachen, DE

11:40–12:00 h
Magic hollow micro-needle for diabetes
Yoichi Oikawa, Think-Lands Co., Ltd., Yokohama, JP

12:00–12:20 h
Microstructuring applications for medical industry using femtosecond laser
Raul Garcia, Laserpoint Srl, Milan, IT

12:20–12:40 h
Precise power and energy measurement with a new generation of high speed laser sensors
Sergio Pellegrino, Laserpoint Srl, Milan, IT

12:40–13:00 h
Raman spectroscopy guided tumor surgery
Dr. Claus Schaffrath, SurGuide, Rotterdam, NL

13:00–13:20 h
New photonic approaches for a rapid on-site diagnosis of infectious diseases
Joerg Weber, Leibniz-IPHT Jena/Biophotonics Diagnostics GmbH, Jena, DE

13:20–13:40 h
Raman spectroscopy guided tumor surgery
Dr. Claus Schaffrath, SurGuide, Rotterdam, NL

13:40–14:00 h
SPIDTM Platform for easy infectious and metabolic disease diagnostic
Hugues Tariel, DIAFIR, Rennes, FR

14:00–14:20 h
Break

14:20–15:20 h
How to combine security and new business hypes in IT security
Prof. Dr. Andreas Schaad, Hochschule Offenburg, Offenburg, DE

14:40–15:00 h
How to bring medical equipment on the level „High” of the new EU cybersecurity act?
Dr. Detlef Houdeau, Infineon AG, Neubiberg, DE

15:00–15:20 h
A critical discussion of current trends & hypes in IT security

15:20–15:40 h
New photonic approaches for a rapid on-site diagnosis of infectious diseases
Joerg Weber, Leibniz-IPHT Jena/Biophotonics Diagnostics GmbH, Jena, DE

16:20–16:50 h
How to combine security and new business models for medical equipment
Oliver Winzenried, WIBU-SYSTEMS AG, Karlsruhe, DE

Stand: Oktober 2019/Änderungen vorbehalten!
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Status: October 2019/Subject to change without notice!
The current programme can be found online at: www.compamed.de/CHF2
### Dienstag/Tuesday, 19 November 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:30–12:30 h</td>
<td><strong>Session: Smart sensor solutions</strong>&lt;br&gt;Session Chair: Mona Okroy-Hellweg, IVAM Microtechnology Network, Dortmund, DE</td>
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<tr>
<td>10:30–10:50 h</td>
<td>Non-invasive monitoring of important cardiovascular parameters&lt;br&gt;Dr. Martin Jahn, DIS Forschungsinstitut für Mikrosensork GmbH, Erfurt, DE</td>
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<tr>
<td>10:50–11:10 h</td>
<td>MEMS capacitive pressure sensors for medical applications&lt;br&gt;Nikolaos Valantasis-Kanellos, ES Systems, Koropi, GR</td>
</tr>
<tr>
<td>11:10–11:30 h</td>
<td>Localization of miniaturized measurement sensors in bioprocesses&lt;br&gt;Sven Lange, Fraunhofer-Institut für Elektronische Nanosysteme ENAS, Paderborn, DE</td>
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<tr>
<td>11:30–11:50 h</td>
<td>Autonomous biosensor based systems&lt;br&gt;Gerhard Jobst, Jobst Technologies GmbH, Freiburg, DE</td>
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<tr>
<td>11:50–12:10 h</td>
<td>Safety considerations in invasive pressure sensing&lt;br&gt;Dr. Justin Gaynor, Silicon Microstructures, Inc., Milpitas, US</td>
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<tr>
<td>12:10–12:30 h</td>
<td>Tailor-made coatings for smart sensors&lt;br&gt;Dr. Anke Schütz-Trilling, Surfix BV, Wageningen, NL</td>
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<tr>
<td>12:30–12:50 h</td>
<td>Safety considerations in invasive pressure sensing&lt;br&gt;Dr. Justin Gaynor, Silicon Microstructures, Inc., Milpitas, US</td>
</tr>
<tr>
<td>12:50–14:30 h</td>
<td><strong>Session: Microprecision, manufacturing and processing</strong>&lt;br&gt;Session Chair: Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE</td>
</tr>
<tr>
<td>12:50–13:00 h</td>
<td>Specifying connectors and cables for medical applications&lt;br&gt;Serge Buechli, LEMO S.A., Ecublens, CH</td>
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### Mittwoch/Wednesday, 20 November 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13:10–13:30 h</td>
<td>Assembly and test of medical filters&lt;br&gt;Dr. Michael Wagner, SIM Automation GmbH, Heilbad Heiligenstadt, DE</td>
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<tr>
<td>13:50–14:10 h</td>
<td>Performance, precision: advances in micropump technology&lt;br&gt;Tom Harrison, TTP Ventus, Melbourne, UK</td>
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<tr>
<td>14:10–14:30 h</td>
<td>Challenges at process validation of optical injection molded parts&lt;br&gt;Philipp Neuhaus, VIAOPTIC GmbH, Wetzlar, DE</td>
</tr>
<tr>
<td>14:30–15:25 h</td>
<td><strong>Session: Equipment manufacturer meets component manufacturer</strong>&lt;br&gt;<strong>Session Chairs:</strong> Rim Stroeks, Enterprise Europe Entwork, Muelheim an der Ruhr, DE&lt;br&gt;Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE</td>
</tr>
<tr>
<td>14:50–15:00 h</td>
<td>Opening of the session „Equipment manufacturer meets component manufacturer“&lt;br&gt;Rim Stroeks, Enterprise Europe Entwork, Muelheim an der Ruhr, DE&lt;br&gt;Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE</td>
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<tr>
<td>15:00–15:20 h</td>
<td>Introduction of networks and 10 pitches&lt;br&gt;Benno Weissner, ZENIT GmbH, Muelheim an der Ruhr, DE&lt;br&gt;Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE</td>
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Stand: Oktober 2019/Änderungen vorbehalten!
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Status: Oktober 2019/Subject to change without notice!
The current programme can be found online at: www.compamed.de/CHF2
Session: Microfluidics – the key enabling technology for diagnostics and life science consumables
Session Chair: Dr. Holger Becker,
microfluidic ChipShop GmbH, Jena, DE

10:00–10:20 h
Disc Pump: A Compact, Versatile and High-Precision Pump for Next-Generation Microfluidics
John Watson, TTP Ventus, Melbourne, GB

10:20–10:40 h
Human microfluidically supported organ-models in basic research and drug testing
Dr. Knut Rennert, Dynamic42 GmbH, Jena, DE

10:40–11:00 h
Fluid filters as a protection tool for pumps and analytical devices – new HNPM F-MI filter series
Dr. Ralf Ehret, HNP Mikrosysteme GmbH, Schwerin, DE

11:00–11:20 h
Innovation of single-use drug delivery system
Dr. Anne Vaterrodt, I4M, Karlsruhe, DE

11:20–11:40 h
Piezo-based microfluidic solutions for micropumps and sensor management
Frank Möller, Physik Instrumente (PI) GmbH & Co.KG, Karlsruhe, DE

11:40–12:00 h
Fast prototyping and industrial serial manufacturing of lab-on-a-chip and organ-on-a-chip systems
Harald Denz, DENV B10-Medical GmbH, Mader, AT

12:00–12:20 h
Raman trapping microscopy for label-free and fastanalysis of cells and bacteria in fluids
Dr. Karin Schütze, CellTool GmbH, Tutzing, DE

12:20–12:40 h
Diagnostic applications made of non-CMOS compatible materials on glass
Dr. Alexios P. Tzannis, IMT Masken und Teilungen AG, Greifensee, CH

12:40–13:20 h
More than the sum of its parts: a holistic approach to microfluidic solutions
Dr. Holger Becker, microfluidic ChipShop GmbH, Jena, DE

13:00–13:20 h
New perspectives for single-use microfluidic devices
Alain Germain, CG.TEC – Part of Dedienne Multiplasturgy® Group, Frasne, FR

13:20–13:40 h Break

13:40–15:40 h
Session: JETRO seminar – open innovation and university collaborations between Japan and Germany
Session Chair: Masayoshi Watanabe, JETRO (Japan External Trade Organisation), Duesseldorf, DE

13:40–13:45 h
Welcome remarks by JETRO Düsseldorf
Masayoshi Watanabe, JETRO Düsseldorf, Duesseldorf, DE

13:45–14:00 h
Industry-Academia collaboration in Japan/ cooperation with Charite University Berlin
Chisato Mori, Chiba University, Chiba, JP

14:00–14:05 h
Chiba Prefecture Welcomes you to Kashiwanoha t.b.a., Chiba Prefecture, Chiba, JP

14:05–14:10 h
Invest Miyagi ideal environment for business and living
Yoshiko Narita, Miyagi Prefecture, Miyagi, JP

14:10–14:25 h
Energy innovation by AZUL catalyst technology research result of therapeutic instrument for cholecystitis

14:25–14:30 h
Investment Environment in Ibaraki Prefecture
Koichiro Miyamoto, Ibaraki Prefecture, Ibaraki, JP

14:30–14:45 h
Success cases of German-Japanese collaboration
Hiroaki Kumada, Faculty of Medicine, University of Tsukuba, Ibaraki, JP

14:45–15:00 h
Presentation by Kobe City
Naoko Sugisako, Kobe City, Kobe JP

15:05–15:10 h
Why Kanagawa? Business environment & investment incentives
Taisuke Hijuchi, Kanagawa Prefecture, Kanagawa, JP

15:10–15:15 h
Innovation city Yokohama
Takeshi Tamai, Yokohama City, Yokohama, JP

15:15–15:30 h
City of Yokohama – A City chosen by the World
Jürgen Böck, FESTO AG & Co. KG, Esslingen, DE

15:30 h
Networking reception with snacks and drinks

Koju Ito, AZUL Energy Inc., Miyagi, JP
Keichiro Miyamoto, Tohoku University, Miyagi, JP

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