

The 10<sup>th</sup> Germany-Japan Joint Workshop  
“Flexible Electronics” and “Sensors for Health”

January 31st 2022

German time 08:00-12:00, Japanese time 16:00-20:00

**Organizers:** Saxony Economic Development Corporation, Organic Electronics Saxony,  
Yamagata University

**Venue:** Online Virtual Workshop

**【Welcome Remarks & Keynote Session 08:00-08:30 CET / 16:00-16:30 JST】**

08:00 CET/16:00 JST Welcome remarks by **Thomas Horn, Managing Director, Saxony Economic Development Corporation**

08:05 CET/16:05 JST Guest greetings by **Dr. Lothar Mennicken, Counsellor for Science and Technology, Embassy of the Federal Republic of Germany Tokyo**



08:10 CET/16:10 JST

**Dr. Sandro F. Tedde, Siemens Healthineers AG**

*“Printed Perovskites: A facile route towards high performance medical X-ray detectors”*

**【Presentations & Pitches 08:30-11:00 CET / 16:30-19:00 JST】**

< Presentations (Flexible Electronics) >

08:30 CET/16:30 JST

**Ai Miura, Racing Driver, Satoshi Maeda, TOYOBO Co., LTD.**

*“Vital sensing with Smart Sensing Wear<sub>TM</sub> Display system for physiological condition by ANAIM (:Autonomic Nerve Activity Index Map)”*

08:40 CET/16:40 JST

**Ivan Minev, University of Sheffield**

*“Electronic tissue technologies for interfacing cells, nerves and brains”*

08:50 CET/16:50 JST

**Manabu Ito, Toppan Inc.**

*“Highly flexible IGZO TFT for sensor applications”*

09:00 CET/17:00 JST

**Björn Lüsse, IMSAS, Universität Bremen**

*“Organic Electrochemical Transistors for Versatile Biosensing”*

09:10 CET/17:10 JST

**Chisato Oyama, Komori Corporation**

*“Micro bumps by gravure offset printing method”*

09:20 CET/17:20 JST

**Christoph Tondera, Leibniz Institute of Polymer Research Dresden**

*“Conductive Polymer hydrogels for multimodal tissue interfacing”*

09:30 CET/17:30 JST

**Kazuya Shiojiri, VET Co., Ltd**

*“G8.5H Concept By FHM (Fine Hybrid Mask) for OLED”*

09:40 CET/17:40 JST

**Marco Fritsch, Fraunhofer IKTS Institute**

*"HeartBeat - Printed platform for monitoring of cardiomyocyte cells for drug dev."*

— Break —

## < Pitches (Sensors for Health) >

10:00 CET/18:00 JST

**Moe Tanaka, SEMITEC Corporation**

*"Introduction SEMITEC sensors for biological applications"*

10:05 CET/18:05 JST

**Caroline Murawski, Kurt Schwabe Institute for Measurement and Sensor Technology Meinsberg e.V.**

*"Flexible organic LEDs for interfacing neurons"*

10:10 CET/18:10 JST

**Claudio Flores, Mimotype Technologies GmbH**

*"Bio-inspired Organic Semiconductor Materials for Future Wearables"*

10:15 CET/18:15 JST

**Itaru Watanabe, Mitsubishi Chemical Corporation**

*"Development and business potential of piezoelectric films for healthcare sensors"*

10:20 CET/18:20 JST

**Anja Taló, Enfucell Oy**

*"Printed batteries enabling new products for healthcare"*

10:25 CET/18:25 JST

**Denys Makarov, Helmholtz-Zentrum Dresden-Rossendorf e.V.**

*"Flexible and printable magnetic field sensors"*

10:30 CET/18:30 JST

**Kenji Nose (Ph.D.), and T. TAKEDA, UACJ Corporation**

*"Open-detection aluminum packages and its pharmaceutical applications"*

10:35 CET/18:35 JST

**Konstantin Livanov, OreITech**

*"Next generation metallization technology"*

10:40 CET/18:40 JST

**Arved Hübner, pmTUC – Institute for Print & Media Technology at Chemnitz University of Technology**

*"Printed loudspeaker arrays – how to improve printed electronics to open new markets"*

10:45 CET/18:45 JST

**Yoshiaki Awa, T&H Design**

*"From making prototype to mass production, We connect sensing technology and ideas"*

10:50 CET/18:50 JST

**Jarosław Parzuchowski, Medmetric Sp. z o.o.**

*"AngioScore - software tool for automatic evaluation of Syntax Score"*

10:55 CET/18:55 JST

**Meike Baumgarten, InnovationLab GmbH**

*"InnovationLab - The One-Stop-Shop for Printed Electronics"*

## **【Poster Sessions & Networking (Q&A) 11:00-12:00 CET / 19:00-20:00 JST】**



### **Greeting**

11:00 CET/19:00 JST

**Prof. Junji Kido, Yamagata University**

— Gathering photo —

### < Poster Sessions >

- **Mark Abendroth, ELANTAS Europe GmbH**  
*"ELANTAS ink solutions for flexible electronics"*
- **Aaron Cabrera Asensio, Mateprincs**  
*"MATEPRINCS- INKS FOR PRINTED ELECTRONICS"*
- **Michael Cerbe, TES-Frontdesign GmbH**  
*"TES- Frontdesign technologies and products"*
- **David Dewey, Fujikura Kasei Co., Ltd**  
*"DOTITE - Introduction to Ag/AgCl Stretchable Silicone Pastes"*
- **Andrea Glawe, KROENERT GmbH & Co KG**  
*"R2R printing processes & machinery concepts for printed large area electronic"*
- **Lorenz Granrath, Tohoku University Smart Aging Research Center**  
*"Introduction of the project "e-VITA" about EU-Japan virtual coach for Smart Aging"*
- **Yuki Kawamura, Yamagata University YU-FIC**  
*"Development of printed electrodes on plastic sheets with large 3D deformation by the optimization of printing process"*
- **Aniko Nagy, 3DMA - Prototypen & Sonderlösungen**  
*"3DMA - hightech in wood for the next generation luxury interior"*
- **Tobias Neumann, Nanomatch GmbH**  
*"Optimizing organic sensors via parameter-free simulation of exciton dynamics"*
- **Lars Rebohle, Helmholtz Innovation blitzlab, Helmholtz-Zentrum Dresden-Rossendorf**  
*"Ultra-short time annealing for thin film processing"*
- **Armin Reith, Saxony Economic Development Corporation**  
*"Saxony as a world leading Microelectronics and ICT location"*
- **Masaru Sakuma, Spin Corporation**  
*"Detachable micro patterned TILING ROLL for Imprint and Gravure Printing in R2R system"*
- **Kengo Kumada, Hisaki Tsuneyama, and Hisahiro Sasabe, Yamagata University**  
*"TBC"*
- **Pēteris Vulāns, SIA "Systems Logistics"**  
*"Warehousing and terminal services"*

- **Lin Wang, Mitsuboshi Diamond Industrial Co., LTD**  
*“Cutting process for OLED lighting using ultra-thin glass substrate and stainless steel foil”*
- **Christian Weisse, MCVE TECHNOLOGIE**  
*“Innovation in the industrial production of high volume flexible circuits”*

< **Netwokring including Q & A with speakers of presentations and pitches** >

- **Ai Miura, Racing Driver, Satoshi MAEDA, TOYOBO Co., LTD.**
- **Ivan Minev, University of Sheffield**
- **Manabu Ito, Toppan Inc.**
- **Björn Lüsse, IMSAS, Universität Bremen**
- **Chisato Oyama, Komori Corporation**
- **Christoph Tondera, Leibniz Institute of Polymer Research Dresden**
- **Kazuya Shiojiri, VET Co., Ltd.**
- **Marco Fritsch, Fraunhofer IKTS Institute**
- **Moe Tanaka, SEMITEC Corporation**
- **Caroline Murawski, Kurt Schwabe Institute for Measurement and Sensor Technology Meinsberg e.V.**
- **Caroline Murawski, Mimotype Technologies GmbH**
- **Itaru Watanabe, Mitsubishi Chemical Corporation**
- **Anja Talo, Enfucell Oy**
- **Denys Makarov, Helmholtz-Zentrum Dresden-Rossendorf e.V.**
- **Kenji Nose (Ph.D.), and T. TAKEDA, UACJ Corporation**
- **Konstantin Livanov, OrelTech**
- **Arved Hübler, pmTUC – Institute for Print & Media Technology at Chemnitz University of Technology**
- **Yoshiaki Awa, T&H Design**
- **Jarosław Parzuchowski, Medmetric Sp. z o.o.**
- **Meike Baumgarten, InnovationLab GmbH**

Moderators and Closing:

Dr. Dominik Gronarz, Organic Electronic Saxony e.V. (OES)

Prof. Tatsuhiro Takahashi, Yamagata University

Language: English

Special Support by  
SmaSys Secretariat members

