

The 10th 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 WearTM 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

Dr. 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 Talo, 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 Tomoki TAKEDA, UACJ Corporation

"Open-detection aluminum packages and its pharmaceutical applications"

10:35 CET/18:35 JST

Konstantin Livanov, OrelTech

"Next generation metallization technology"

10:40 CET/18:40 JST

Jonas Jung, Organic Electronics Saxony

"Developing Flexible Electronics for Health"

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) 11:00-12:05 CET / 19:00-20:05 JST】



Greeting

11:00 CET/19:00 JST

Prof. Junji KIDO, Yamagata University

— Gathering photo —

11:05 CET/19:05 JST Session 1 – 10 min

- 1-01. **Dr. Sandro F. Tedde, Siemens Healthineers AG** (*Q&A with Keynote speaker*)
- 1-02. **Ai MIURA, Racing Driver, and Satoshi MAEDA, TOYOBO Co., LTD.** (*Q&A with presentation speaker*)
- 1-03. **Moe TANAKA, SEMITEC Corporation** (*Q&A with pitch speaker*)
- 1-04. **Caroline Murawski, Kurt Schwabe Institute for Measurement and Sensor Technology Meinsberg e.V.** (*Q&A with pitch speaker*)
- 1-05. **Aniko Nagi, 3DMA - Prototypen & Sonderlösungen**, “3DMA - hightech in wood for the next generation luxury interior”
- 1-06. **Mark Abendroth, ELANTAS Europe GmbH**, “ELANTAS ink solutions for flexible electronics”
- 1-07. to 1-16.: Private rooms for matchmaking

11:15 CET/19:15 JST Session 2 – 10 min

- 2-01. **Ivan Minev, University of Sheffield** (*Q&A with presentation speaker*)
- 2-02. **Manabu ITO, Toppan Inc.** (*Q&A with presentation speaker*)
- 2-03. **Claudio Flores, Mimotype Technologies GmbH** (*Q&A with pitch speaker*)
- 2-04. **Itaru WATANABE, Mitsubishi Chemical Corporation** (*Q&A with pitch speaker*)
- 2-05. **Mirosław Dobrzyński, Foundation-Polish-Socio-Economic**, “Dynamic solution blood testing for global medicine in 21st century”
- 2-06. **David Dewey, Fujikura Kasei Co., Ltd**, “DOTITE - Introduction to Ag/AgCl Stretchable Silicone Pastes”
- 2-07. to 2-16.: Private rooms for matchmaking

11:25 CET/19:25 JST Session 3 – 10 min

- 3-01. **Björn Lüssem, IMSAS, Universität Bremen** (*Q&A with presentation speaker*)
- 3-02. **Anja Talo, Enfucell Oy** (*Q&A with pitch speaker*)
- 3-03. **Denys Makarov, Helmholtz-Zentrum Dresden-Rossendorf e.V.** (*Q&A with pitch speaker*)
- 3-04. **Lars Rebohle, Helmholtz Innovation blitzlab, Helmholtz-Zentrum Dresden-Rossendorf** “Flash lamp annealing for thin film processing”
- 3-05. **Andrea Glawe, Kroenert GmbH & Co KG**, “R2R printing processes & machinery concepts for printed large area electronic”

3-06. **Dr. Christian Camus, LayTec**, *“Process-integrated metrology for vacuum and wet-chemical thin-film deposition”*

3-07. to 3-16.: Private rooms for matchmaking

11:35 CET/19:35 JST **Session 4 – 10 min**

4-01. **Chisato OYAMA, Komori Corporation** (*Q&A with presentation speaker*)

4-02. **Kazuya SHIOJIRI, VET CO., Ltd.** (*Q&A with presentation speaker*)

4-03. **Kenji NOSE (Ph.D.), and Tomoki TAKEDA, UACJ Corporation** (*Q&A with pitch speaker*)

4-04. **Konstantin Livanov, OrelTech** (*Q&A with pitch speaker*)

4-05. **Aaron Cabrera Asensio, Mateprincs**, *“Mateprincs – Inks for printed electronics”*

4-06. **Christian Weisse, MCVE TECHNOLOGIE**, *“Innovation in the industrial production of high volume flexible circuits”*

4-07. to 4-16.: Private rooms for matchmaking

11:45 CET/19:45 JST **Session 5 – 10 min**

5-01. **Christoph Tondera, Leibniz Institute of Polymer Research Dresden** (*Q&A with presentation speaker*)

5-02. **Jonas Jung, Organic Electronics Saxony** (*Q&A with pitch speaker*)

5-03. **Yoshiaki AWA, T&H Design** (*Q&A with pitch speaker*)

5-04. **Lin Wang, Mitsuboshi Diamond Industrial Co., LTD**, *“Cutting process for OLED lighting using ultra-thin glass substrate and stainless steel foil”*

5-05. **Armin Reith, Saxony Economic Development Corporation**, *“Saxony as a world leading Microelectronics and ICT location”*

5-06. **Pēteris Vulāns, SIA Systems Logistics**, *“Warehousing and terminal services”*

5-07. **Masaru SAKUMA, Spin Corporation**, *“Detachable micro patterned TILING ROLL for Imprint and Gravure Printing in R2R system”*

5-08. to 5-16.: Private rooms for matchmaking

11:55 CET/19:55 JST **Session 6 – 10 min**

6-01. **Dr. Marco Fritsch, Fraunhofer IKTS Institute** (*Q&A with presentation speaker*)

6-02. **Jarosław Parzuchowski, Medmetric Sp. z o.o.** (*Q&A with pitch speaker*)

6-03. **Meike Baumgarten, InnovationLab GmbH** (*Q&A with pitch speaker*)

6-04. **Lorenz Granrath, Tohoku University Smart Aging Research Center**, *“Introduction of the project “e-VITA” about EU-Japan virtual coach for Smart Aging”*

6-05. **Kengo KUMADA, Yamagata University FROM**, *“Chemically modified triphenylene-based blue TADF emitters”*

Hisaki TSUNEYAMA, Yamagata University FROM, *“Stable Deep-red PHOLEDs based on phenanthroline-based n-type exciplex host”*

6-06. **Yuki KAWAMURA, Yamagata University YU-FIC**, *“Development of printed electrodes on plastic sheets with large 3D deformation by the optimization of printing process”*

6-07. **Christian Mogodici, ZAYA A.I.**, *“Histopathology Diagnosis”*

6-08. to 6-16.: Private rooms for matchmaking

Moderators and Closing:

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

Prof. Tatsuhiro TAKAHASHI, Yamagata University

Language: English

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