



Nano in Germany

## 5<sup>th</sup> Germany-Japan Joint Workshop “Organic Electronics and Nano Materials for Energy” on February 13<sup>th</sup> 2017 in Tokyo

Program as of January 20<sup>th</sup> 2017

**Organizer:** Saxony Economic Development Corporation, Yamagata University  
**Location:** Tokyo International Forum, 5-1, Marunouchi 3-chome, Chiyoda-ku, Tokyo  
100-0005, Room G701, G404, G405

### **13:30 Plenary Session: Room 701**

- 13:30 Welcome by Saxon State Ministry for Economic Affairs, Labor and Transport,  
*Barbara Meyer,*
- 13:40 Research Center for Organic Electronics, Yamagata University, *Prof. Takeo Shiba*  
"Flexible printed electronics and its application to Flexible Hybrid Electronics"
- 14:00 Fraunhofer Institute for Reliability and Microintegration IZM, *Erik Jung*  
„Conformable Electronics using Hybrid TOLAE Integration Technologies“
- 14:20 Yamagata University, *Prof. Tatsuhiro Takahashi*  
"Germany-Japan collaboration toward success through establishing networks and  
reliability"
- 14:40 Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology  
FEP, *Dr. Stefan Mogck*  
"Large area OLED lighting fabricated by roll-to-roll processing"
- 15:00 Organic Electronics Saxony (OES), *Dr. Dominik Gronarz*  
"3 Project ideas for Saxon-Japanese collaboration – brief introduction"
- 15:20 Coffee break

## **15:50-17:30 Parallel Technical Sessions**

### **Session 1: Manufacturing Equipment and In-Line Inspection (Room 701)**

15:50 VON ARDENNE GmbH, *Martin Fischer*

“Flash lamp annealing of ITO in flat panel display (FPD) and OLED applications”

16:10 Creaphys GmbH, *Dr. Daniel Kasemann*

"CreaPhys and MBraun – Process Tools for Organic Electronics and Purification Technology"

16:30 Fraunhofer Institute for Material and Beam Technology IWS, *Martin Zawischa*

„LAwave – Non-destructive characterization of thin films and material surfaces by laser induced surface acoustic waves.”

16:50 FHR Anlagenbau GmbH, *Dr. Hannes Klumbies*

"Roll-to-Roll vacuum coating - 25 years of scaling and customization"

17:10 Keihin Ramtech Co, Ltd., *Mr. Hiroshi Iwata*

“A new type of sputtering cathode preventing damage from high energy particles“

### **Session 2 Nanotechnology for Energy Efficiency (Room 404)**

15:50 Fraunhofer Institute for Ceramic Technologies and Systems IKTS, *Dr. Markus Eberstein*

"Nano powders as a key feature in contemporary Solar Cell Metallization Pastes"

16:10 Loser Chemie GmbH, *Dr. Wolfram Palitzsch*

“Circular Economy... it’s the way forward”

16:30 "Interpolation Electronics from AMAC - the Best Choice to improve the Performance of your Encoders", AMAC ASIC- und Mikrosensorenanwendung Chemnitz GmbH, *Dr. Claus Dittrich*

16:50 Innovation Center for Organic Electronics INOEL, Yamagata University, *Prof. Takeshi Sano*

“Recent progress on OPV at INOEL”

17:10 Nippon Electric Glass Co., Ltd., *Mr. Naotoshi Inayama*

“Cutting Method for Electronic Device Made Using Ultra-thin Glass“

### **Session 3 Novel Technologies for Printed Electronics (Room 405)**

15:50 Fraunhofer Institute for Electronic Nanosystems ENAS, *Dr. Ralf Zichner*

"Ready for the Packaging Market - Printed, Reliable and Wireless Identification of Versatile Products of the IoT"

16:10 AgIC Inc., *Mr. Shinya Shimizu*

"Ultrafast FPC manufacturing based on inkjet"

16:30 Fraunhofer Institute for Ceramic Technologies and Systems, *Dr. Mihails Kusnezoff*

"Millisecond laser sintering of ink-jetted layers"

16:50 Fujikura Kasei Co., Ltd., *Suguru Tajitsu*

"Trend of research and development in printing conductive paste"

17:10 KOMORI CORPORATION, *Mr. Ohra Sakata*

"Komori's track record in Printed Electronics"

### **17:30 Key Note Lecture (Room 701)**

17:30 Frontier Center for Organic Materials, Yamagata University, *Prof. Junji Kido*

"Organic Electronics for Life Space Technologies"

17:50 Closing remarks

18:00-20:30 Get together party and Poster Session at 7<sup>th</sup> floor of Tokyo Forum

Kampai by State Minister for Economic Affairs, Labor and Transport, Martin Dulig  
or by German Embassy

Including poster/exhibition (1 roll up or poster/speaker, company or institution)

Wolfram Design, Fraunhofer FEP, IWS, Loser Chemie and others

Moderators:

Prof. Tatsuhiro Takahashi, Yamagata University

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

Prof. Andreas Leson, Board Member of OES