



# Stuttgarter Produktionsakademie

Fraunhofer IPA | Universität Stuttgart

## GERMAN-JAPANESE HIGH-TECH DIALOGUE

EXCHANGE OF GERMAN-JAPANESE HIGH-TECH  
SOLUTIONS AND SERVICES FOR SMES

FUNCTIONAL MATERIALS

JUNE 30<sup>TH</sup>, 2016



## INTRODUCTION

To face the challenges such as rising competition and shrinking profits international collaboration is needed. Within all the global collaboration possibilities the German and Japanese are very unique. Despite the geographical distance both countries have much in common. Both are leading high-tech nations with a huge proportion of exporting business, excellent economic and scientific infrastructures. Due to these opportunities large German and Japanese enterprises have been in intense collaboration for long. An initiative of German and Japanese Stakeholders likes to open this potential for small and medium-sized companies and build the bridge between German and Japanese.

For the first time, the German-Japanese High-Tech Dialogue is going to organize this unique event »German-Japanese High-Tech Dialogue« on June 30th, 2016 in Stuttgart/Germany. This time we would like to introduce the activities and provide you the latest information of German and Japanese companies working on IoT, printed electronics, advanced applications and networking.

We look forward to your participation and interesting discussion on the topic of German-Japanese high-tech.



Prof. Dr.-Ing. Dr. h. c. mult. A. Verl



Prof. Dr.-Ing. T. Bauernhansl

## AT A GLANCE

### KEY ISSUES

- Exchange knowledge of high-tech solutions
- Finding matching partners in DE/JP
- Industrie 4.0
- Printed electronics
- Advanced applications

### QUALIFICATION OBJECTS

You want to learn more about your future/potential customers in Germany and Japan? What are the needs and desires on both sides? How could you find the right matching partner to deal with/make business with/cooperate? How could you overcome trade barriers and find strategic partners? Which clusters could be relevant for you?

### TARGET AUDIENCE

German and Japanese researchers and SMEs

## SCHEDULE

- 09.00 a.m. Reception with coffee and tea, handing out of the seminar documents
- 09.30 a.m. Ivica KOLARIC, Hidenao YANAGI, Masayoshi WATANABE  
**Opening Remarks**
- 09.40 a.m. Marianne HOFFMANN  
**The Importance of Japan for the Fraunhofer Gesellschaft**
- 09.50 a.m. Beate ANDO  
**Baden-Württemberg – the perfect Location for your Business Opportunities for Japanese Companies**
- 10.00 a.m. Sabine GANTER-RICHTER  
**How to establish a reliable Partnership: Information – Contact – Cooperation**
- 10.10 a.m. Dr. Peter GRAMBOW  
**Cluster2Cluster Cooperation, Building Bridges, National and International**
- 10.20 a.m. Coffee Break

10.35 a.m. Ivica KOLARIC

**Importance of Synthetic Electronics for Cyber Physical Systems**

11.00 a.m. Dr. Masahiro NAKAMURA

**Predictive Engineering and Production with Simulation by SIM (Simulation Integrated Manufacturing)**

11.25 a.m. Ulf KÖPKE

**The Usage of Three Role Mills for Battery Production**

11.50 a.m. Wolfgang MOELLER

**The Internet of Things as Driver in the Live Cycle of a Product – Integration of Shop Floor, Logistics, Service and Maintenance**

12.15 p.m. Lunch Break and Networking

01.30 p.m. Dr. Yukiyasu KASHIWAGI

**Direct Electrode Formation of GaN-based LED by Printed Electronics Technology**

01.55 p.m. Raphael NEUHAUS

**Nano Carbon Supercapacitor Electrodes**

## SCHEDULE

02.20 p.m. Dr. Christopher HUBRICH

**Plasma optimized Metal Powders for Additive Manufacturing**

02.45 p.m. Dr. Kenji GOYA

**A programmable Micropipette System based on Carbon Nanotube Electroactive Polymer Actuator**

03.10 p.m. Lars REDSCHLAG

**Conveying Wave Technology – Bridging the Gap between the Peristaltic and the Diaphragm Pump**

03.35 p.m. Coffee Break

03.50 p.m. Dr. Takushi SUGINO

**International Collaboration on Nano Carbon Actuators: Actuation and Application**

04.15 p.m. Florian BONDY

**Screen Printed Ionic EAP Actuators – Influence of Electrode Thickness on Actuation Performance**

04.40 p.m. Hiromichi WATANABE

**Functional Sheets Using Special Carbon Materials at Tokushu Tokai Paper Co., Ltd.**

05.05 p.m. Marco INVERNIZZI

**Efficient Integration for Japanese Companies in  
Germany**

05.15 p.m. Ivica KOLARIC

**Final Discussion and concluding remarks**

05.30 p.m. **Networking Reception**

## **SPEAKER**

### **KEYNOTE SPEAKER**

Ivica KOLARIC

Head of Department, Co Director FPC, AIST Kansai  
Fraunhofer Institute for Manufacturing Engineering  
and Automation IPA, Germany  
ivica.kolaric@ipa.fraunhofer.de  
Phone +49 711 970-3729

### **SPEAKER**

**Beate ANDO**

Regional Manager Japan  
Baden-Württemberg International, Germany

**Florian BONDY**

Applikation multifunktionaler Schichten  
Fraunhofer IPA, Germany

**Sabine GANTER-RICHTER**

Dipl.-Übers. Japanisch/Koreanisch, BDÜ  
Network for Science, Germany

**Dr. Kenji GOYA**

National Institute of Advanced Industrial Science and  
Technologies AIST

**Dr. Peter GRAMBOW**

Clusterleiter  
Nano Initiative Bayern, Germany



**Marianne HOFFMANN**

Business Development Manager Asia  
Fraunhofer International, Germany

**Dr. Christopher HUBRICH**

Fraunhofer IPA, Germany

**Marco INVERNIZZI**

Lyogroup Unternehmens- und Managementberatung, Germany

**Dr. Yukiyasu KASHIWAGI**

Osaka Municipal Technical Research Institute OMTRI, Japan

**Ulf KÖPKE**

Leiter F&E  
EXAKT Advanced Technologies GmbH, Germany

**Wolfgang MOELLER**

NTT DATA group company – itelligence AG, Japan

**Dr. Masahiro NAKAMURA**

CEO  
LEXER Research Inc., Japan

**Raphael NEUHAUS**

Applikation multifunktionaler Schichten  
Fraunhofer IPA, Germany

## **SPEAKER**

### **Lars REDSCHLAG**

qonqave GmbH, Germany

### **Dr. Takushi SUGINO**

Hybrid Actuator Group

National Institute of Advanced Industrial Science and  
Technologies AIST, Japan

### **Hiromichi WATANABE**

President, TT Trading Co., Ltd

TT Trading Co., Ltd., Japan

### **Masayoshi WATANABE**

JETRO Düsseldorf, Germany

### **Hidenao YANAGI**

Generalkonsul

Japanisches Generalkonsulat, Germany

## ORGANISATIONAL MATTERS

### INFORMATION

Stuttgarter Produktionsakademie

c/o Fraunhofer IPA

Mrs. Gabriele STUBER

Nobelstraße 12 | 70569 Stuttgart

Telefon +49 711 970-1208 | Fax +49 711 970-1854

[anmeldung@stuttgarter-produktionsakademie.de](mailto:anmeldung@stuttgarter-produktionsakademie.de)

### REGISTRATION

Registration for participation must be issued in writing and must be addressed to [anmeldung@stuttgarter-produktionsakademie.de](mailto:anmeldung@stuttgarter-produktionsakademie.de) or via the attached application form or our website.

Please provide the following booking number for your registration: AK\_JSK\_160630

as well as the participants names and addresses and if relevant the different billing address. After the registration you will receive an invoice and further information. The closing date for registration is 10 days before the event date.

### PARTICIPATION FEE

The participation fee is € 210,- (€165,- for registration until May 30<sup>th</sup>, 2016) per person. This fee includes attendance of all lectures, conference documents, lunchtime snack, drinks and snacks.

## **CHANGE OF REGISTRATION AND CANCELLATION**

The registration can be changed and transmitted to another participant free of charge. Please inform us about any change in writing. Please understand that cancellation up to 10 days before the start of the event will be charged with € 100, after this date the full price fee will be due.

## **ACCOMMODATION**

If you need a hotel room during your stay in Stuttgart please contact the following institution:

Tourist Information i-Punkt | Königstr. 1a | 70173 Stuttgart

Telefon +49 711 22 28-100 | Fax -251

[www.stuttgart-tourist.de/en/hotels-stuttgart](http://www.stuttgart-tourist.de/en/hotels-stuttgart)

## **VENUE**

Fraunhofer-Gesellschaft | Institutszentrum Stuttgart (IZS)

Nobelstraße 12 | 70569 Stuttgart (Vaihingen)

## **JOURNEY**

[www.stuttgarter-produktionsakademie.de/anfahrt.html](http://www.stuttgarter-produktionsakademie.de/anfahrt.html)

## **LEGAL NOTICE**

Published by SPA Stuttgarter Produktionsakademie gGmbH,

Amtsgericht Stuttgart, Handelsregisternr.: HRB 744737

Managing Director: Dr. Alexander SCHLOSKE

Picture: Fraunhofer IPA



June 30<sup>th</sup>, 2016

## GERMAN-JAPANESE HIGH-TECH DIALOGUE

.....  
Last name

.....  
First name

.....  
Titel

.....  
Company

.....  
Department

.....  
PO/Street

.....  
Zip code/City

.....  
Telefon/Fax

.....  
Email

### Registration:

Herewith I sign up definitely for the seminar of the Stuttgarter Produktionsakademie.

## GERMAN-JAPANESE HIGH-TECH DIALOGUE

Participation € 210,-

booking number AK\_JST\_160630 am June 30<sup>th</sup>, 2016

Please transfer the participation fee on receipt of the registration confirmation and invoice.

**Note:** In accordance with § 26.1 of the Federal Data Protection Law, we inform you about the storage of your address and the handling with an automated method.

I took note of the conditions which have been announced in the program concerning change of registration or cancellation.

.....  
Place/Date

.....  
Signature

## REGISTRATION

Please return in an envelope or by fax +49 711 970-717-1854

Or to [anmeldung@stuttgarter-produktionsakademie.de](mailto:anmeldung@stuttgarter-produktionsakademie.de)

Tagungsbüro der  
Stuttgarter Produktionsakademie  
c/o Fraunhofer IPA  
Frau Gabriele Stuber  
Nobelstraße 12  
70569 Stuttgart



**Stuttgarter  
Produktionsakademie**

Fraunhofer IPA | Universität Stuttgart

**FUNCTIONAL MATERIALS**

**JUNE 30<sup>TH</sup>, 2016**

**GERMAN-JAPANESE HIGH-TECH  
DIALOGUE  
EXCHANGE OF GERMAN-JAPANESE  
HIGH-TECH SOLUTIONS AND SERVICES  
FOR SMES**