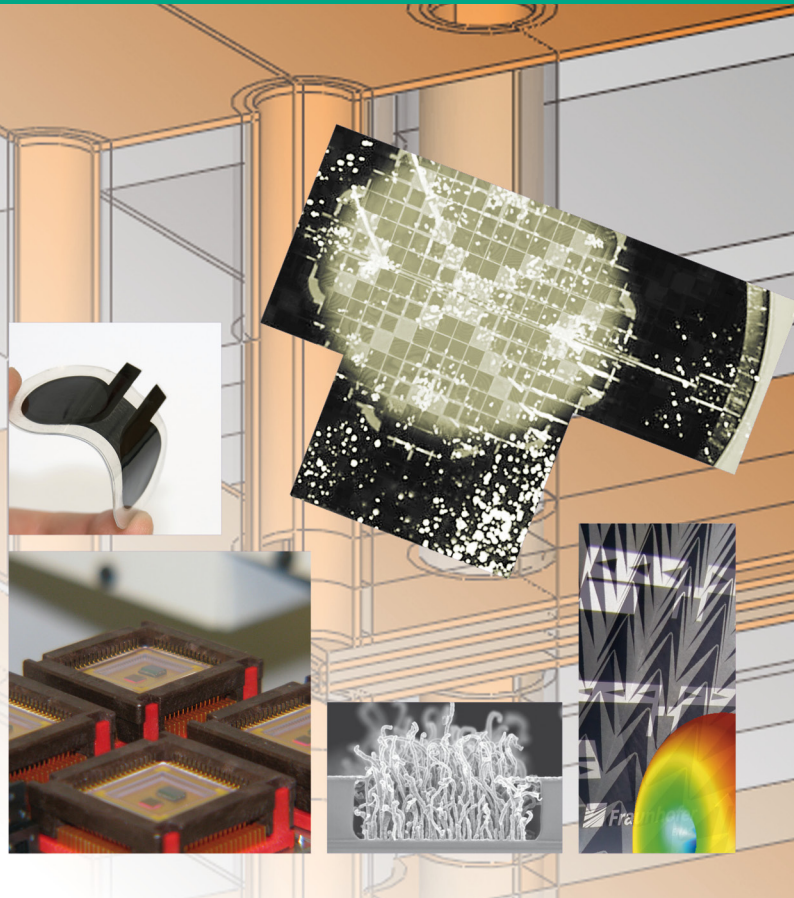


FRAUNHOFER INSTITUTE FOR
ELECTRONIC NANO SYSTEMS ENAS

**10TH FRAUNHOFER SYMPOSIUM
IN SENDAI, JAPAN
NOVEMBER 26TH, 2014**



10TH FRAUNHOFER SYMPOSIUM IN SENDAI

SMART SYSTEMS FOR A SECURE WORLD

AGENDA

Smart systems are becoming more and more important in our daily life, e.g. in cars, efficient energy management, security applications, medical engineering, logistics and other applications. The 10th Fraunhofer Symposium addresses especially smart systems for a secure world.

- 09:30 a.m. welcome and introduction
 Prof. Thomas Gessner (Director Fraunhofer
 ENAS, Fraunhofer Project Center Sendai)
- 09:40 a.m. greetings
 Yukimoto Ito (Vice Mayor City of Sendai)
 Prof. Susumu Satomi (President Tohoku
 University)
 Prof. Motoko Kotani (Executive Member Science
 Counsel Japan; Director WPI-Advanced Institute
 for Materials Research, Tohoku University)
- 10:00 a.m. morning session
- 12:50 p.m. lunch break
- 14:00 p.m. afternoon session
- 16:50 p.m. poster session
- 18:00 p.m. reception

- 10:00 a.m. Keynote Prof. Thomas Gessner (Fraunhofer ENAS; Fraunhofer Project Center Sendai)
Smart Monitoring Systems
- 10:40 a.m. Keynote: Prof. Masayoshi Esashi (Micro Integration Center, Tohoku University; Fraunhofer Project Center Sendai), Kentaro Totsu (Micro Integration Center, Tohoku University)
MEMS Open Collaboration in Tohoku University
- 11:20 a.m. Dr. Marius Toader (cfaed, TU Chemnitz), Prof. Stefan Schulz (Fraunhofer ENAS)
Integration of Carbon Nanotubes in CNT-FETs by using with Wafer Level Approaches for high frequency analog integrated circuit electronic applications
- 11:50 a.m. Dr. Maik Wiemer (Fraunhofer ENAS)
Release of high thermal energy generated by integrated reactive multilayer systems
- 12:20 p.m. Prof. Masanori Muroyama (Micro Integration Center, Tohoku University)
Microsystem Integration by MEMS and LSI Technologies for Smart and Secure Human Support Robots and Other Applications
- 14:00 p.m. Keynote Prof. Klaus-Dieter Lang (Fraunhofer IZM)
Integration Technologies for Cyber Physical Systems – Challenges and Solutions
- 14:40 p.m. Keynote: Prof. Arnold van Zyl (President Technische Universität Chemnitz)
The Innovation Eco System in Chemnitz - linking of education, research and industry
- 15:20 p.m. Prof. Shuji Tanaka (Micro/Nano Education Center, Tohoku University; Fraunhofer Project Center Sendai)
Advanced Piezoelectric Thin Films and Devices
- 15:50 p.m. Andreas Ostmann (Fraunhofer IZM)
Embedding Technology - Today's Status and Future Applications
- 16:20 p.m. Dr. Joerg Martin (merge, Fraunhofer ENAS)
Sensor integration for structural health monitoring in light weight structures

CONTACT

The Fraunhofer Symposium is held in cooperation with City of Sendai and Tohoku University



It is supported by MEMS Industry group



MEMS Industry Group®

The Fraunhofer Symposium takes place:
Sendai Sunplaza” Crystal Room
<http://www.sendai-sunplaza.com/english/>

Registration:

For registration, please send an e-mail to Nao Tomita
tomita@fraunhofer.jp