

Dear MEMS Professional,

We would like to invite you to the 11th MEMUNITY workshop:

Test of RF-MEMS and Other Advanced Components

The workshop takes place on the 18th of October, 2011 at the Institute for Microelectronic and Mechatronic Systems (IMMS) in Ilmenau, Germany.

Technical presentations and discussions will be held by industry experts. (Please see agenda on page 2.)

A workshop fee in the amount of 80 € (60 € for MEMUNITY members) will cover all costs including the proceedings, refreshments and lunch.

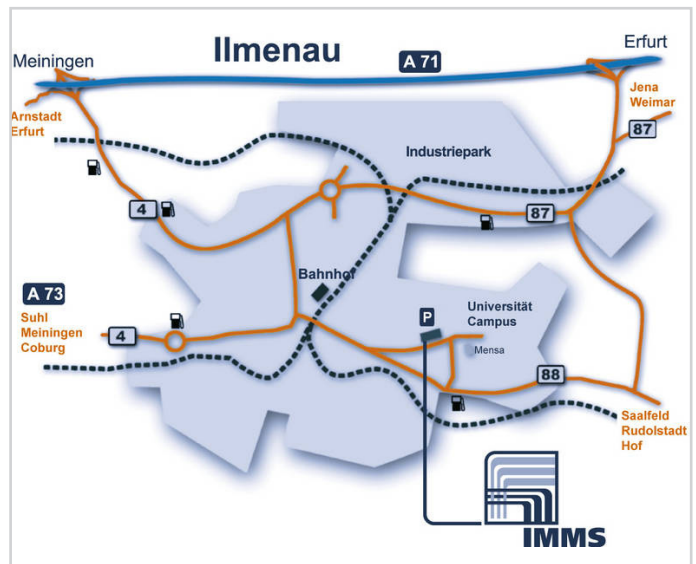
To register, please send an E-Mail with the names of all participants and company contact information to info@memunity.org.

To become a MEMUNITY member, please visit <http://memunity.org/index.php?id=61> or send an E-Mail to info@memunity.org.

After the end of the workshop interested participants can take part at a tour of the IMMS and TU Ilmenau facilities.



The Institute for Microelectronic and Mechatronic Systems (IMMS) in Ilmenau, Germany.



Directions to the IMMS.

About MEMUNITY

MEMUNITY is an open community of renowned companies and institutes that operate in the field of Microsystems Technology. It was founded by industry leaders who realized that testing MEMS at wafer level reduces production costs and thus helps drive the commercialization of MEMS. This developed into the goal of the community: the promotion of knowledge exchange and information dissemination to foster the development of on-wafer testing technologies for MEMS. More information and a free membership are available at www.memunity.org.

- 08:30 Registration**
- 09:15 Welcome / Presentation IMMS**
Ralf Sommer (IMMS)
- 09:30 Challenges of RF MEMS Test at Cryogenic Environment**
Andrej Rumiantsev (Cascade Microtech GmbH)
- 09:50 Test of RF MEMS Switches**
Stefan Leidich (Fraunhofer Institute for Electronic Nano Systems ENAS)
- 10:10 Material Parameter Estimation of BEOL RF MEMS Structures**
Matthias Wietstruck (IHP GmbH)
- 10:30 Refreshments, Demonstrations**
- 11:00 Test of Microwave and mm-Wave Components**
Michael Hiebel (Rohde & Schwarz)
- 11:20 Piezoelectrical Bulk Wave High Frequency Resonator - Simulation and Test**
Dominik Karolewski (Institute for Microelectronic and Mechatronic Systems IMMS)
- 11:40 Overview on RF MEMS Test at VTT**
Pekka Rantakari (VTT Technical Research Centre of Finland)
- 12:00 Lunch**
- 13:00 3D-Vibration Testing for MEMS: State of the Art and Future Challenges**
Christian Rembe (Polytec GmbH)
- 13:20 SMARTIEHS: An Innovative Concept of Parallel MEMS Testing**
Malgorzata Kujawska (Warsaw University of Technology)
- 13:40 Reliability Test Issues of Microcomponents**
Dietmar Vogel (Fraunhofer Institute for Electronic Nano Systems ENAS)
- 14:00 Test of Energy Storage Micro Devices**
Frank Wendler (Chemnitz University of Technology)
- 14:20 Probing of MEMS Pressure Sensors**
Lutz Almeroth (Melexis GmbH)
- 14:40 Bulge Test of Thin AlN Membranes**
Tobias Polster (Ilmenau University of Technology)
- 15:00 Refreshments, Demonstrations**
- 15:30 Microphone Testing at Infineon Technologies**
Alfons Dehè (Infineon Technologies AG)
- 15:50 OLEDs on CMOS and Their Electro-Optical Test**
Uwe Vogel, Johannes Kade (Fraunhofer Institute for Photonic Microsystems IPMS)
- 16:10 Optical Waferlevel Testing of MEMS MicroMirrors for LIDAR Applications**
Joachim Janes (Fraunhofer Institute for Silicon Technology ISIT)
- 16:30 Discussion**
- 17:00 Tour of the IMMS and TU Ilmenau Facilities**