

ORGANIZED BY:



The Fraunhofer IPMS is a leading partner for MEMS development services. We develop modules and systems for our partners enabling them to innovate and create lasting competitiveness. From component development to pilot production, we enable start-ups and businesses to bring new ideas into the market.

FREE ONLINE REGISTRATION:
www.ipms.fraunhofer.de

(limited capacity)



Industry Partner Day

Next Generation MEMS
Technologies and
Applications



The MEMS and Sensors Industry Group® (MSIG) is a SEMI Strategic Association Partner. We connect and foster the growth of the MEMS and sensors supply network in established and emerging markets. MEMS and sensors play an integral role in billions of electronic devices. From your smartphone to your smart home, MEMS and sensors are the essential enabling components that allow us to experience the world around us in fundamentally new ways.

LOCATION:

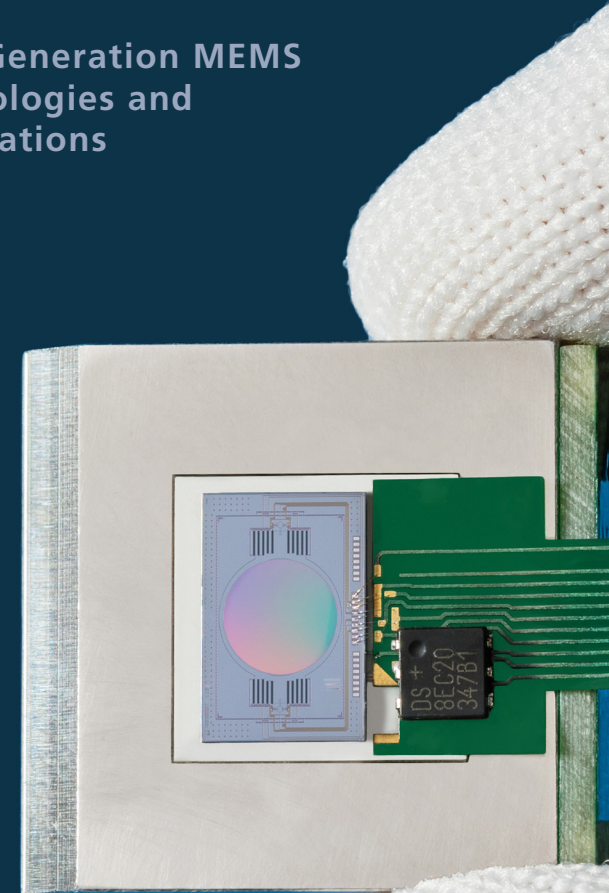
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February 8, 2019

SEMI Global Headquarters
673 South Milpitas Blvd.
Milpitas, CA 95035, USA

in association with:





SPEAKER

Prof. Butrus Khuri-Yakub (Stanford University, Head of Research Group Ultrasoncis)

His current research interests include medical ultrasound imaging and therapy, ultrasound neuro-stimulation, chemical/biological sensors, gas flow and energy flow sensing, micromachined ultrasonic transducers, and ultrasonic fluid ejectors. He has authored over 600 publications and has been principal inventor or co-inventor of 97 US and international issued patents.

Dr. Jörg Schieferdecker (Heimann Sensor, CEO & Owner)

Heimann Sensor is technology leader in infrared sensors for contactless temperature measurement and gas detection. Mr. Schieferdecker is an entrepreneur with a PhD in microelectronics and infrared physics. Heimann Sensor is a long-term development partner of Fraunhofer IPMS.

Danny Kreindler (Otonexus Medical Technologies, VP Product Development)

He is an engineering, product, and technical marketing manager with over 20 years of experience in the imaging and medical device industry e.g. for airborne imaging systems, high-speed printscan controllers, and various ultrasound-based medical devices, as well as managing medical business units, and running technical marketing for various medical technology start-ups.

Alex Walsh (Envision Diagnostics, President & CEO)

Ophthalmologist and engineer embarking on venture to develop a handheld, self-operated binocular device capable of performing a complete eye examination. He is also specialized in mechanical and product design as well as software engineering.

We cordially invite you to our US Industry Partner Day!

The program is dedicated to new and existing strategic partners from the semiconductor and electronics industry, especially start-ups, investors and SME's looking for a leading MEMS development & fabrication partner.

During the event, Fraunhofer IPMS will present its technology expertise in the fields of microsystems development and manufacturing. In short lectures, external partners as well as our leading scientists will speak about mutual projects, current developments and latest trends. We are looking forward to your active participation, shaping future MEMS developments and applications.

PROGRAM

- 09:00 am *Registration & Reception*
- 09:20 am **Carmelo Sansone**
Welcome & Opening
Director of MEMS & Sensors Industry Group at SEMI
- 09:30 am **Prof. Dr. Harald Schenk**
„MEMS Engineering for Innovative Applications“
Director - Fraunhofer IPMS
- 09:50 am **Prof. Butrus Pierre T. Khuri-Yakub**
„The Evolution of Ultrasonic Transducers“
Professor - Stanford University
- 10:10 am *Coffee Break, Networking*

Fraunhofer IPMS Foundry Services

- 10:45 am **Dr. Matthias Schulze**
„Fraunhofer IPMS 200 mm - MEMS Shop“
Head of Engineering - Fraunhofer IPMS
- 11:05 am **Dr. Jörg Schieferdecker**
„High Resolution Thermal Infrared Arrays in MEMS Technology“
CEO - Heimann Sensors

Ultrasound MEMS Technologies

- 11:30 am **Dr. Sandro Koch**
„MEMS Ultrasound - From Technology to Application“
Head of CMUT Group - Fraunhofer IPMS
- 11:50 am **Danny Kreindler**
„Medical Applications for Capacitive Micromachined Ultrasonic Transducers“
Vice President OtoNexus Medical Technologies

12:10 pm *Lunch Break, Networking*

Optical MEMS Technologies

- 1:15 pm **Alex Walsh & Dr. Jan Grahmann**
„Eye Examination using MEMS Scanning Mirrors“
Envision Diagnostics & Fraunhofer IPMS
- 1:45 pm *Coffee Break, Networking*
- 2:30 pm *End*