

Microstructure User Meeting 2026

Symposium on optical
vibration measurement

March 19, 2026 in Waldbronn
Agenda

Day 2 – Lecture session March, 19th

our moderator

08:45 Uhr	Registration and breakfast	
09:15 Uhr	Welcome and introduction (Dr. Joachim Fuchs und Stefan Zimmer, Polytec GmbH)	
09:30 Uhr	Piezoelectric Microsystems (Dr. Michael Schneider, Institut für Sensor- und Aktuatorssysteme, TU Wien)	Mario Kvasnicka
10:05 Uhr	Characterization of resonant MEMS-PMUTs and encapsulated inertial sensors – at wafer level (Dr. Roman Forke and Sven Voigt, FHI-ENAS)	Marco Fritzsche
10:40 Uhr	Coffee	
10:55 Uhr	Mechanical characterization of 3D folded piezoelectric MEMS loudspeaker membranes (Dr. Achim Bittner, HSG)	Markus Heilig
11:30 Uhr	Development and optimization of micromirrors for LIDAR applications (Dr. Jeong-Yeon Hwang, FHI-ISIT)	Marco Fritzsche
12:05 Uhr	Business Lunch - followed by Hands-on part	
13:30 Uhr	Highest-quality-factor mechanical oscillators as components for future quantum technologies (Prof. Heiko Weber, FAU Erlangen)	Marco Fritzsche
14:05 Uhr	Advanced in-situ characterization of surface acoustic wave based microacoustic devices (Dr. Hagen Schmidt, Leibniz-Institut IFW)	Dr. Heinrich Steger
14:40 Uhr	Coffee	
14:55 Uhr	Demonstrating MSA-600-S capabilities to fit electrical response at around 5 GHz (Dr. Alexandre Reinhardt, CEA-Leti Grenoble)	Markus Heilig
15:30 Uhr	Parameter extraction such as layer thickness and stress at wafer level for process monitoring in semiconductor manufacturing (Steffen Michael, IMMS GmbH)	Marco Fritzsche
16:05 Uhr	Summary, discussion and closing remarks	Dr. Heinrich Steger

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Day 1 – Hands-on session March, 18th

- 15:00 Uhr** **Registration and Welcome**
- 15:30 Uhr** **Hands-on microscope-based vibrometers and tour Polytec**
- Wafer mapping using versatile automatic Prober TS2000 in
 combination with Micro System Analyzer (Volker Hänsel, MPI/ATV)**
- 17:00 Uhr** **check-in at hotels**
- 19:00 Uhr** **Ice Breaker dinner (get together)**

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Openroute: [hier klicken](#)

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