

Microstructure User Meeting 2026

Symposium on optical
vibration measurement

March 19, 2026 in Waldbronn
Agenda



Page 1/2

Day 2 – Lecture session March, 19th

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

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Page 2/2

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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