

Microstructure User Meeting 2026

Symposium on optical
vibration measurement

March 19, 2026 in Waldbronn
Agenda



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Day 2 – Lecture session March, 19th

08:45 Uhr	Registration and breakfast
09:15 Uhr	Welcome and introduction (Dr. Joachim Fuchs und Stefan Zimmer, Polytec GmbH)
10:05 Uhr	Overview of current developments in micromechanics with a focus on MEMS microphones (Prof. Alfons Dehé, HSG)
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. H. 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	Wafer mapping using versatile automatic Prober TS2000 in combination with Micro System Analyzer (Volker Hänsel, MPI/ATV)
15:30 Uhr	Parameter extraction such as layer thickness and stress at wafer level for process monitoring in semiconductor manufacturing (Dr. Steffen Michael, IMMS GmbH)
16:05 Uhr	Summary, discussion and closing remarks

preliminary: 27 Nov 2025

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Day 1 – Hands-on session March, 18th

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|-----------|--|
| 15:00 Uhr | Registration and Welcome |
| 15:30 Uhr | Hands-on microscope-based vibrometers and tour Polytec |
| 17:00 Uhr | check-in at hotels |
| 19:00 Uhr | Ice Breaker dinner (get together) |

Address: Polytec GmbH, Polytec-Platz 1-7, 76337 Waldbronn, Germany

Google Maps: wfgr+h2 waldbronn

Geo: 48.9265, 8.4894

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