

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 **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 **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**
(Dr. Steffen Michael, IMMS GmbH)
- 16:05 Uhr **Summary, discussion and closing remarks**

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Polytec GmbH / Germany
Polytec-Platz 1-7 · 76337 Waldbronn
Tel. +49 7243 604-0 · Fax +49 7243 69944
info@polytec.de · www.polytec.com

Geschäftsführer
Dr. Dietmar Gnaß · Dipl.-Wirt. Ing. (FH) Alfred Link
Handelsregister Mannheim: HRB 360938
VAT-Nr.: DE 811165398 · WEEE-Reg.-Nr.: DE 35692877

Bankverbindungen
Sparkasse Karlsruhe Ettlingen (EUR)
DE26 6605 0101 0001 0577 77 / KARSDE66XXX
Deutsche Bank Karlsruhe AG (EUR, USD, GBP, CNY, JPY)
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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)**

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

Google Maps: wfgr+h2 waldbronn

Geo: 48.9265, 8.4894

Openroute: [hier klicken](#)

Kontakt: om-info@polytec.de und +49 7243 604-1780

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Polytec GmbH / Germany
Polytec-Platz 1-7 · 76337 Waldbronn
Tel. +49 7243 604-0 · Fax +49 7243 69944
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