

2nd International LAwave User Meeting – Non-destructive Coating Testing

November 16, 2026 | Online

PROGRAM*

Session 1 (45 min)

- Welcome and Opening
Dr. Martin Zawischa, Fraunhofer IWS, Germany
- Short Overview Method
Dr. Martin Zawischa, Fraunhofer IWS, Germany
- LAwave in HVOF Coating Characterization
Mr. Oliver Lanz, Höganäs Germany GmbH, Germany
- Laser-acoustic Characterization of 20-µm-thick Plasma-sprayed Copper Layers on Al₂O₃ Ceramics Compared to Conventional Nanoindentation
Dr. Manuela Ockel, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
- Hot LAwave Topics @IWS: Mobile Measurement Head
Mr. Daniel Hammer, Fraunhofer IWS, Germany

Break (10 min)

Session 2 (45 min)

- Inferring Microstructural Heterogeneity in Additively Manufactured Metals via Elastic Modulus Anomalies
Prof. Pengyang Zhao, Shanghai Jiaotong University, China
- Evaluating Mechanical Properties of Thick Laser Clad Coatings by Laser Acoustics
tba, Fraunhofer USA, USA
- Hot LAwave Topics @IWS: Evaluation and Catagorization Using AI
Mr. Robert Kniess, Fraunhofer IWS, Germany

Break (10 min)

Session 3 (45 or 60 min)

- Application of LAwave in Advanced Package Research
Prof. Liyi Li, Southeast University, Nanjing, China
- Research on Depth Inversion of Young's Modulus for Plasma-Irradiated Tungsten Using Surface Acoustic Wave Technology
Dr. Mengqi Zhang, Beihang University, China
- Tba
Tba
- Hot LAwave Topics @IWS: Investigation of Small Single Crystalline Diamond Wafers
Dr. Martin Zawischa, Fraunhofer IWS, Germany
- Hot LAwave Topics @IWS: New Software Features
Mr. Robert Kniess, Fraunhofer IWS, Germany

[Link Event Website](#)

*as of June 22, 2026 | subject to changes