

Session 1.1 Precision measurement technology

Time: Tuesday, 05.09.2023

Location: Humboldtbaubau, Lecture Room HU-HS

Chairman: T. Kissinger (D-Ilmenau)

10:20 - 10:40 a.m. Coffee break and Visits of Expositions	
10:40 a.m.	Invited lecture E. Manske (D-Ilmenau)
Nanopositioning and nanomeasuring technology at it's limits	
11:10 a.m.	R. Köning, E. Schöttka, J. Krüger, M. Janik, M. Schumann, B. Bodermann (D-Braunschweig)
Development of a test setup for the characterization of an optical microscope for high precision length metrology applications	
11:30 a.m.	Chen-Yu Liao, His-Hui Lin, Liang-Chia Chen (TW-Taipei)
Development of a fiber laser interferometer for precise displacement measurement using wavelength modulation interferometry	
11:50 a.m.	I. Hamann, J. Sanjuan, L. Kumanchik, C. Braxmeier (D-Ulm), M. Gohlke (D-Bremen), G. Wanner (D-Hannover)
A laser dilatometer setup to characterize dimensionally stable materials from 100 K to 300 K	

