

**Elevator Pitches Session 1.1 Precision measurement technology |
1.3 Measurement and sensor technology**

Time: Wednesday, 06.09.2023

Location: Humboldtbaubau, Lecture Room HU-204

Chairman: T. Fröhlich (D-Ilmenau)

1:00 p.m.	S. Yatsyshyn, M. Mykyjchuk, T. Bubela (UA-Lviv)
Development of quantum temperature standard and verification of thermoelectricity laws	
1:05 p.m.	J. Wagner, C. Niedermeier, A. Wagner (D-Regensburg)
Study of the effect of matting agents on the measureability of geometrical objects	
1:10 p.m.	S. Yatsyshyn, X. Zeng (UA-Lviv)
Metrological Risks at design stage for multidisciplinary-based objects	
1:15 p.m.	J. Thiesler, G. Dai, J. Degenhardt, R. Tutsch (D-Braunschweig)
Recent progress and challenges in AFM-based true-3D micro- and nanometrology	
1:20 p.m.	T. Bubela, V. Yatsuk, S. Yatsyshyn (UA-Lviv)
Simulation of electrochemical systems by analyzing impedance spectra	
1:25 p.m.	T. Bubela, V. Yatsuk, M. Mykyjchuk, Y. Yatsuk (UA-Lviv)
Non-dismantling control possibilities of distributed systems measuring channels in-situ operation place	
1:30 p.m.	Z. Li (D-Braunschweig), U. Brand, R. Popadic, K. Hiller, S. Hahn (D-Chemnitz), E. Peiner, E. Gärtner, J. Frühauf (D-Limbach-Oberfrohna)
Small force metrology for AFM, stylus instruments, CMM and nanoindenter via reference springs and sensors	
2:00 p.m. – 2:20 p.m. Coffee break and Visits of Expositions	
3:15 p.m. Start Excursion to Erfurt (Sightseeing tour, organ concert, conference dinner)	