EMN Advanced Manufacturing Capacity Building Workshop Agenda

24 November 2026
Free event online via MS Teams
Version.3.0 29/10/2026

Time	09:00 – 12:00 (CET)
Place	Online
Registration link	https://www.ume.tubitak.gov.tr/emn-advanced-manufacturing-capacity-building-workshop-application-form/
	Note: Deadline for registration is 20 November 2026
Responsibility	TUBITAK, The European Metrology Network for Advanced Manufacturing
Participants	EMN Advanced Manufacturing members and partners, metrologist from EURAMET community and beyond, performers of tank calibration and verification, users of related measurements.

3D measurement of fixed storage tanks

Fixed storage tanks are widely used in the oil and gas, petrochemical, and other industrial sectors to store liquids. Accurate measurement of their capacity is essential for inventory control, commercial transactions, and operational efficiency. OIML R 71:2008, Fixed Storage Tanks — General Requirements, establishes the general metrological requirements for fixed storage tanks. Tank calibration involves determining the relationship between the liquid level and the corresponding volume, considering the tank's dimensions, structure, and reference points. The results are used to prepare a tank calibration table, enabling accurate and reliable determination of stored liquid quantities. In this workshop, 3D measurement of fixed storage tanks will be studied together with new developments considering the issues on traceability, uncertainty, regulations, measurement methods and metrological challenges.

Time	Item	Speaker
09:00	**3D measurement of fixed storage tanks: Regulations**	
09:00	Introduction for the workshop (5 min)	Tanfer Yandayan (TUBITAK, TR)
09:05	Introduction to Fixed storage tanks. General requirements and measurement methods (OIML R71) (25+5 min Q&A)	Jörgen Spetz (RISE, SE)
09:35	Calibration methods for all types of tanks in a single new document OIML G 24 (30+5 min Q&A)	Oleksandr Samoilenko, Yurii Hlushko and Oleksandr Adamenko (UMTS, UA)
10:10	Break (20 mins)	
10:30	**3D measurement of fixed storage tanks: New developments**	
10:30	Petroleum and liquid petroleum products — Calibration of vertical cylindrical tanks: The ISO 7507 series: (35+5 min Q&A)	Jörgen Spetz (RISE, SE)
11:10	Metrological Challenges in Terrestrial Laser Scanning: New Solution Strategies Developed within the European ScanClouDT project (25+5 min Q&A)	Florian Pollinger, (PTB, DE)
11:40	EURAMET Capacity building - an update and possibilities for AM members (10 min + 5 min Q&A)	Tanasko Tasic (EURAMET CB Officer)
11:55	Conclusion (5 min)	All participants, moderated by Tanfer Yandayan (TUBITAK, TR)
12:00	End of workshop	

For more information, please contact Tanfer Yandayan (TUBITAK, TR) and Asli Akgoz (TUBITAK, TR)
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https://www.euramet.org/european-metrology-networks/advanced-manufacturing

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