

ASIA PACIFIC METROLOGY PROGRAMME

25th Meeting of the Technical Committee for Mass and Related Quantities
23-26 November 2024, New Delhi, India (Hybrid meeting)



Draft Agenda

Ver. 2024-11-21-2

Day 1: Date: Saturday 23 November 2024

IST 09:00 – 17:30- The TCM workshop 1 (WS1): Technical presentation on recent developments in the mass and related quantities or introduction of laboratories

Time (IST)	Event / Topic	Duration
09:00-09:40	Opening of the TCM WSs & MTG – Chaired by Dr. Koji Ogushi, NMIJ	
	Welcome from the TCM chair Welcome from the host NMI, by Dr. Nita Dilawar Sharma, NPLI Introduction of members and participants Adoption of agenda	5 min. 5 min. 30 min. 5 min.
09:40-10:30	Technical Session -1-1 – Chaired by WS1-1	
	KRISS Research Activities in Mass and Related Quantities/ Development of KRISS Kibble balance II, Dr. Dongmin Kim, KRISS, RP-Korea	15 min. + 5 min.
	Recent developments in Mass and Related Quantities at MSL, Dr Peter McDowall, MSL, New Zealand	20 min + 5 min.
10:30-11:00	Photograph and Coffee break	30 min.
11:00-12:30	Technical Session -1-2 – Chaired by WS1-2	
	Research Topics of the Mass and Related Quantities in NMIJ, 2024, Dr. Koji Ogushi, NMIJ, Japan	10 min. + 5 min.
	Research Progress on Joule Balance and EFB in NIM, Dr. Yang Bai, NIM, China	15 min. + 5 min.
	Update on solid density measurements at KRISS, Rd. Kwang-Cheol Lee, KRISS, RP-Korea 15 min	15 min. + 5 min.
	Recent development on Optical Pressure Standards at NPLI, Dr. Ashok Kumar, CSIR-NPL, India	15 min. + 5 min.
	Capabilities Mass Laboratory of NML-BSTI, Bangladesh, Mr. Md. Masud Al Mamun, BSTI, Bangladesh	10 min. + 5 min.
12:30-14:00	Lunch	90 min.

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Time (IST)	Event / Topic	Duration
14:00-1530	Technical Session -1-3 – Chaired by WS1-3	
	Present status of the consensus value of the kilogram, Dr. Naoki Kuramoto, NMIJ, Japan	15 min. + 5 min.
	Digitalisation of Manual Mass Measurement, Mr. Shih Mean Lee, NMC A*STAR, Singapore	15 min. + 5 min.
	Overview of the Force and Torque Standards Research Group at NMIJ, Dr. Atsuhiko Nishino, NMIJ, Japan	10 min. + 5 min.
	Country report for ITDI, Philippines, Mr. Radley Manalo, ITDI, Philippines	5 min. + 5 min
	Capability Of Mass Laboratory - SNSU BSN, Ms. Renanta Hayu, SNSU-BSN, Indonesia	10 min. + 5 min.
		10 min.
15:30-16:00	Coffee break	30 min.
16:00-17:30	Technical Session -1-4 – Chaired by WS1-4	
	Progress Report on the Development of a Rotary-Motion-Type Electromagnetic Microforce-Generating Machine at NMIJ, Dr. Junfang Zhu, NMIJ, Japan	15 min. + 5 min.
	Introduction of APMP 2025, Dr. Dongmin Kim, KRISS, RP-Korea	5 min. + 5 min
		60 min.
17:30	Closing Remarks	

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Day 2: Monday 25 November 2024

IST 09:00 – 17:30: Contin. The TCM WS1: Technical presentation on recent developments in the mass and related quantities or introduction of laboratories / The TCM workshop 2 (WS2): The First APMP-TCM Workshop on Dynamic Pressure Measurements / The TCM workshop 3 (WS3): Establishment of sub-committees for “Mass & Density” & “Pressure & Vacuum”.

Time (IST)	Event / Topic	Duration
09:00-10:00	Technical Session -1-5 – Chaired by WS1-5	
	Primary Mass and Force standards of VNIIM, Dr. Ilya Shmigelskiy, VNIIM, Russia	15 min. + 5 min.
	Method of verification hopper scales using force standards, Mr. Dmitrii Andreev, VNIIM, Russia	15 min. + 5 min.
	Country report for SNSU-BSN, Indonesia, Mr. Fahmy M. Cholil, SNSU-BSN, Indonesia	5 min. + 5 min.
		10 min
10:00-12:30	Technical Session -2 – Chaired by Dr. Jeerasak Pitakarnnop, NIMT. Thailand WS2	
	The first workshop for the dynamic pressure measurement in TCM, Dr. Koji Ogushi, NMIJ, Japan	5 min.
	TCI Project Proposal to launch a collaborative initiative on dynamic pressure measurement within APMP, Dr. Jeerasak Pitakarnnop, NIMT, Thailand	15 min. + 5 min.
		5 min.
10:30-11:00	Coffee break	30 min.
Invited presentation	Dynamic pressure developments at VTT MIKES, Dr. Richard Högström, VTT, Finland	20 min. + 5 min.
	Recent development in NIMT's shock tube technology for metrological and aerospace applications in Thailand, Dr. Jeerasak Pitakarnnop, NIMT, Thailand	12 min. + 3 min.
	Dynamic Pressure Measurement: A new initiative at CSIR-NPL India, Dr Afaqul Zafer, CSIR-NPL, India	12 min. + 3 min.
	Development of dynamic pressure evaluation system using laser interferometry at NMIJ, Dr. Hiroaki Kajikawa, NMIJ, Japan.	12 min. + 3 min.
	Development status of dynamic pressure standards at KRISS, Dr. In-Mook Choi, KRISS, RP-Korea	12 min. + 3 min.
	Discussion for the TCI proposal	5 min.
12:30-14:00	Lunch	90 min.

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Time (IST)	Event / Topic	Duration
14:00-15:30	Technical Session -3 – Chaired by Dr. Koji Ogushi, NMIJ. Japan WS3	
	The necessity of the establishment of subcommittees (SCs) in TCM, Dr. Koji Ogushi, NMIJ, Japan.	5 min.
	Introduction for the role of the Sub-Committees for Mass & Density (SCMD), Dr. Jian Wang, NIM, China.	15 min.
	Discussion	30 min.
	The Strategy of Pressure & Vacuum Sub-committee, Dr. Hiroaki Kajikawa, NMIJ, Japan	15 min.
	Discussion	30 min.
15:35	Closing Remarks	

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Day 3: Tuesday 26 November 2024

IST 09:00 – 12:30: The 24th TCM Meeting (for members only)

Time (CST)	Event / Topic	Duration
09:00-10:30	TCM Matters – Chaired by Dr. Koji Ogushi, NMIJ, Japan	
	Opening address	2 min.
	Roll Call	30 min.
	Designation of a Rapporteur	2 min.
	Adoption of agenda	2 min.
	TCM Chair report	54 min.
	<ul style="list-style-type: none"> ➤ Confirmation of Minutes of 23rd TCM meeting ➤ Matters arising from the previous meeting ➤ WG – matters ➤ Discussion on CMC-related matters/ review team ➤ Status Comparisons/on-going and new ➤ TCI projects 	
10:30-11:00	Coffee break	
11:00-11:40	Comparison Report	
	Update on the Proposed APMP 50 kg Mass Comparison, Mr. Shih Mean Lee, NMC A*STAR, Singapore	15 min. + 5 min.
	Current status of international comparisons of pressure and vacuum (NMIJ), Dr. Hiroaki Kajikawa, NMIJ, Japan	15 min. + 5 min.
11:40-11:50	DEC Report	
	Report from the DEC Champion of TCM, Dr. Maryness I. Salarzar, ITDI, Philippines	5 min. + 5 min.
11:50-12:30	TCM Matters Contnd. – Chaired by Dr. Koji Ogushi, NMIJ, Japan.	
	List of Participants	15 min.
	TCM Members List	15 min.
	Any other business	10 min.
12:30	Closing Remarks	