

Rapid-Tech MSA2025 Preliminary Programme*			
Monday 25 August			
1:00 PM	NMIA Site Tour - Coach transport departs Mercure Sydney (tickets must be purchased for this)		
6:00 PM	Welcome Function - Terrace Bar, Mercure Sydney - Sponsored by Scientific Devices		
Tuesday 26 August			
Start	Session title	Presentation topic	Presenter
8:00 AM	Registration		
9:00 AM	Conference Opening Welcome		Tony Bergen
9:10 AM	Keynote 1	Post redefinition – how close are we to realising the dream?	Annette Koo
10:00 AM		The BIPM – 150 years of maintaining units	Tony Bergen
10:30 AM	Morning tea		
11:00 AM	Electrical metrology	Setting the Power – Science that Underpins Electrical Energy Measurements in Australia	Ilya Budovski
11:40 AM		A new method of measuring fast transient impulses in high-voltage substations	Hugo Adams
12:05 PM		The primary SI ampere standard on a commercial 22-nm FDSOI process technology	Ajit Dash
12:30 PM	Lunch		
1:30 PM	Keynote 2	National Space Test Program (title TBC)	Eduardo Trifoni
2:20 PM		Rapid-Tech Sponsor spotlight	
2:30 PM	Hydrogen Economy	Metrological Challenges for the Hydrogen Economy	Wodek Jakubik
3:20 PM	Afternoon tea		
3:45 PM	Temperature and Humidity	A history of the realisation of the ITS-90 subrange -189.3442°C to 961.78°C in Australia	Mong-Kim Ho/Julien Langley
4:10 PM		Realization of New Zealand's national humidity standard	Ben Sherson
4:35 PM		Calculating thermocouple inhomogeneity at low immersions by numerical post-measurement correction of thermal conduction errors	Massoud Aghili Yajadda
5:00 PM	Day one close		
7:00 PM	Conference Dinner - Sydney Harbour Cruise - Departing Kings Street Wharf, Darling Harbour - Sponsored by Trescal		
Wednesday 27 August			
Start	Session title	Presentation topic	Presenter
9:00 AM	Keynote 3	Invisible but Essential: The Future of Accreditation in a Changing Landscape	Jennifer Evans
9:50 AM		Fluke Sponsor Spotlight	
10:00 AM	Laboratory	Beyond the spec sheet: understanding real-world uncertainty in CMMs	Lenice Evergreen

10:25 AM	practice, MU and PT (1)	Proficiency testing – investigation of borderline comparison outcome facilitates measurement improvement – a case study in pressure measurement	Kevin Mapson
10:50 AM	Morning tea		
11:20 AM	Optical Metrology	Measuring appearance	Ellie Molloy
11:45 AM		On the challenges of metrological traceability and measurement uncertainty in the age of AI	Tony Bergen
12:10 PM	Lunch		
1:00 PM	Special session: Metrology 101 – Fundamentals of the SI system and laboratory practice, Part 1		
3:00 PM	Afternoon tea		
3:30 PM	Special session: Metrology 101 – Fundamentals of the SI system and laboratory practice, Part 2		
5:30 PM	Day two close		
Thursday 28 August			
7:00 AM	MSA AGM - Breakfast (Attendance must be listed at Registration)		
9:00 AM	Keynote 4	The GPT Revolution	Adam Spencer
10:15 AM	Morning tea		
10:45 AM	Impedance and surface tension metrology	Advances in impedance metrology	Brady Shearan
11:10 AM		A high-current resistance measurement system - shunting the path to traceability	Owen Brace
11:35 AM		Recent development of measurement facility for liquid surface tension at National Measurement Institute	Weichen Wang
12:00 PM	Lunch		
1:00 PM		Zedflo Sponsor Spotlight	
1:10 PM	Laboratory practice, MU and PT (2)	376.5 days, 3,765 hours, in a third tier laboratory	Daryl Pettit
1:35 AM		Cosine error: A case study in the use of advanced statistics for uncertainty estimation	Douglas J. Little
2:00 PM	Afternoon tea		
2:20 PM	Panel session: NATA/IANZ Workshop on measurement-related ISO/IEC 17025 requirements; including: * Meeting ISO/IEC 17025 Proficiency Testing requirements * Method validation * Formulating Calibration and Measurement Capabilities * Decision rules		
4:00 PM	Conference Closing		
*Please note that the programme is subject the change.			