

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 Join the crew from IANZ and NATA to discuss and share your expertise on the intricacies of ISO/IEC 17025 and interpretation by Accreditation Bodies. While this workshop is not the place to discuss specific issues experienced during an accreditation assessment, this workshop may help clarify general topics that come up amongst the calibration laboratories. * Meeting 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.			