

## Special session: Metrology 101 Fundamentals of the SI system and laboratory practice

**Wednesday 27<sup>th</sup> August, 13:00 to 17:30**  
**Mercure Sydney, 818-820 George Street, Sydney**

Metrology, the science of measurement, is the unsung hero behind nearly every aspect of modern life. From the accuracy of the clocks that govern our daily routines to the precision of the tools and equipment that ensure the safety of our food, vehicles, medical devices, metrology is everywhere.

The Metrology Society of Australia (MSA) is pleased to offer a free afternoon session featuring an introduction to the SI system of units, as well as laboratory practice and accreditation. This session is part of the MSA's three-day biennial conference, and is available in-person and online.

### Programme

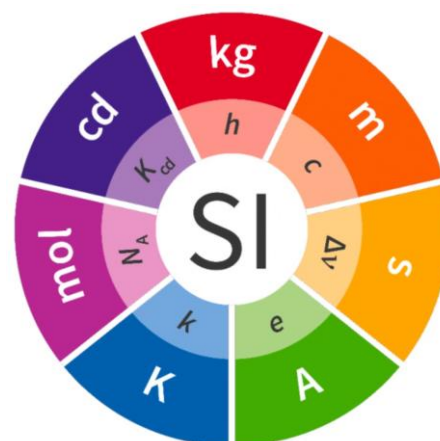
#### Part 1: Introduction to the International System of Units (SI)

- Introduction to the BIPM, the Metre Convention, SI system
- Fundamentals of the seven SI units: the second, the metre, the kilogram, the ampere, the kelvin, the mole, the candela
- Q&A session

#### Afternoon tea

#### Part 2: Laboratory practice and accreditation

- Introduction to measurement uncertainty
- Laboratory accreditation: View from an accreditation body
- Laboratory accreditation: View from a consultant
- Laboratory accreditation: View from a laboratory
- Q&A session



### Who should attend?

This Wednesday afternoon session of the [Rapid Tech MSA2025 Conference](https://metrology.asn.au/events/msa-conference-sydney-aus-25-28-august-2025/) is free to attend and is recommended for:

- Second and third tier calibration and testing laboratories
- University students and lecturers
- Researchers, scientists, engineers, consultants
- Anyone who is interested in measurement!

### Registration

While online attendance is unlimited, in-person attendance is limited to 50 places, so get in early!

To register, please go to the conference website <https://metrology.asn.au/events/msa-conference-sydney-aus-25-28-august-2025/>. Scroll down to Ticket Information and select **Metrology 101 Free Session**, either online or in-person. If attending online, you will be emailed the link closer to the event.

If you are already attending the full conference or have a Wednesday day pass, you don't need to register.