



June 2024

Ngā mihi mahana o tēnei takiwā makariri | Warm greetings in this cold season

I enjoyed celebrating World Metrology Day with many of you again this year, and it was my special honour to launch two new te reo Māori measurement resources in collaboration with UNESCO on the day. You can find more details on those resources below.

We also took the opportunity to learn some of the most important words you might need to know in any language – the names of the base units of the International System of Units!

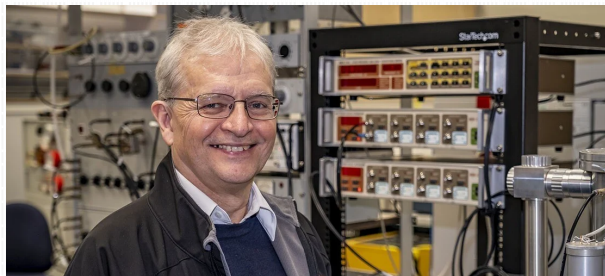
So here they are – kilogram: manokaramu; metre: mita; second: hēkona; ampere: ampere; kelvin: kelvin; mole: tiwhanga; candela: kārara.

One very interesting thing I learned was that in te reo Māori, the prefixes mano and rau, meaning one thousand and one hundred, respectively, (as in manokaramu: a kilogram; and raumita: 100 metres or a hectometre) can also be used as suffixes to divide the unit (as in karamumano: a milligram; and mitarau: a centimetre).

Next year we will be celebrating 150 years since the original signing of the Metre Convention in 1875, so watch this space, and reserve Friday 23 May 2025 to join the festivities.

Ngā mihi

Annette
Director and Chief Metrologist



Keith Jones has been honoured as a Member of the New Zealand Order of Merit

We are proud to share that **Keith Jones**, our very own Distinguished Scientist, has been honoured as a **Member of the New Zealand Order of Merit** for his outstanding national and international contributions to metrology in the **2024 King's Birthday Honours**! This comes after receiving the prestigious Lifetime Achievement Award by Science New Zealand in December.

[Read more](#)



August Training Courses – opportunity to upskill

Our practical, hands-on training workshops present real laboratory situations and demonstrate how to develop new techniques and procedures to ensure constant improvement.

MSL training courses are highly recommended by International Accreditation New Zealand (IANZ) for personnel with technical responsibilities in metrology and calibration laboratories operating in compliance with ISO/IEC 17025 and for those seeking accreditation. In addition to the expert advice on how to make reliable measurements, the workshops provide attendees with the knowledge and tools to properly calculate measurement uncertainty and report results.

[Register now for Lower Hutt](#)

[Register now for Auckland](#)



MSL launches te reo Māori resources on World Metrology Day

We believe that metrology and education should be for everyone. That's why we teamed up with HUIA's expert translators to create te reo Māori versions of two of our most popular resources – our popular [Measurement in Daily Life](#) interactive map and the latest [Concise Summary of the International System of Units](#).

Every year on the 20th May, measurement scientists celebrate World Metrology Day (WMD). It is a commemoration of the signing of the 1875 Metre Convention, which established the global measurement infrastructure that we all rely on today. 2024's celebrations are especially important, as it's the first year that the day has been [recognised by UNESCO](#).

[Read more](#)



Relaunch of the Thermocouple Calibration Service

We are pleased to announce that this capability is back in scope and will be available after March 2025.

Thermocouples have long been considered the workhorse of temperature measurement. Simple and robust, they can operate across a wide range of temperatures, making them suitable for any number of applications.

- [Download Resource Technical Guide 14 – Making Sense of Thermocouples](#)
- [Download Resource Technical Guide 39 – Making Sense of Thermocouples – Noble-Metal Thermocouples, Best Practice and Care](#)

We invite you to register your interest [here](#).

[Find out more](#)

Staff Spotlight



Dr **Ellie Molloy** took home the top prize as New Zealand's Emerging Metrologist awarded by the Metrology Society of Australasia (**MSA**). The award was presented at MSL's World Metrology Day Celebration 2024 with this special event being sponsored by IANZ.

We congratulate Ellie along with Rohan Patel from WIKA Instruments for being awarded runner-up.

[Read more](#)



MSL's **Adam Dunford**, aka 'Time Lord', had a chat to Emile Donovan on Radio New Zealand recently about "What time is it on the moon?" The White House has directed NASA to create a standard time for the moon and other celestial bodies.

[Listen to Adam's interview](#)

MSL NTP Server – update

A number of Network Time Protocol (NTP) stratum 1 servers are available for connections within New Zealand. NTP is a standard internet protocol for the synchronisation of computer time. A simpler version (called Simple Network Time Protocol or SNTP), which is a subset of NTP, is supported by the MSL servers and can be used to set the time on any computer. The servers are referenced to the New Zealand Time Standard, UTC(MSL), by direct connection of a pulse per second signal.

We have updated information on our website about using the servers and strongly recommended users update their NTP configuration.

[Find out more](#)



www.measurement.govt.nz



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[MSL's Strategic Plan](#)

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