

## Metrology and Calibration Newsletter

### Issue 9

July 2017

**Goede dag!**

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#### MSL course schedule out for August

The yearly round of courses offered by the Measurement Standards Laboratory is coming up in August. The course schedule, with courses in Auckland and Lower Hutt, can be found [here](#). I cannot recommend these highly enough, especially as they are only offered once per year. For Approved Test Houses under the Electricity Authority regulations, the Traceable Electrical Energy Metering course runs only once every two years, so please do consider sending at least one staff member along.

A course relevant to your industry or field is invaluable. For all fields, the Measurement, Uncertainty and Calibration (MUC) course is excellent for learning how to approach uncertainty and perform your own customised uncertainty analyses (or as a refresher). You can find more detail about the content of each of the courses [here](#).

Please [register](#) your interest ASAP to ensure MSL can cater for numbers and that you don't miss out.



#### Training on changes to ISO/IEC 17025

As most of you will be aware, ISO/IEC 17025 is in review at the moment. We should know by the end of July if the ISO working group has decided to publish an FDIS (final draft international standard) or the official document. If it is an FDIS there is a short

period for comments but there will be no more major changes. In any case, we should be the end of 2017 or early 2018 have a new version of ISO 17025 to work with.

The New Zealand Quality College has put out a call for expressions of interest on their website:

*The new ISO/IEC 17025 Standard looks likely to be released in early 2018. The college is looking to run some transition courses in 2017 to accommodate these changes and are calling for expressions of interest. We anticipate only the staff who already have experience with the current ISO/IEC 17025:2005 would attend this one day course.*

If you are feeling stressed about the changeover, or if you want more information and guidance regarding the changes, please [contact the Quality College](#) and let them know what you'd like from the training. If they don't get expressions of interest, the courses will not run.



[Source](#)

(Please try not to feel stressed, though, as there will be a transition period allowed by IANZ of probably 2-3 years, if any policies or practices need updating to meet requirements of the new ISO 17025.)

#### World Metrology Day celebrations

On 23 May World Metrology Day (officially on 20 May) was celebrated at the Callaghan Innovation office on the Auckland waterfront

at an MSA-organised event. After an opening address from Vic Crone, CEO of Callaghan Innovation, there were great talks from Grant Crenfeldt of Air New Zealand on why metrology matters for safety in air travel, and Peter Saunders of MSL on interpreting calibration certificates. Grant's talk opened with his use of the word meteorology and the crowd fell awkwardly silent while he explained that until being approached to present, he didn't know what metrology referred to! There were also some good laughs (including the ubiquitous wine jokes) in Peter's talk. There were also valuable brainstorming sessions in which the MSA tried to get ideas from its members (and non-members) on the following issues: why and how to track reference equipment performance, how to promote metrology and your lab's services and training needs from NZ's metrologists.



[Source](#). Note: this was not on 23/05/17.

After lunch we had a ferry ride in beautiful sunshine over to Devonport, for a whirlwind tour of the Defence Technology Agency and a couple of lab visits, which was fascinating.

Thank you for your company and attendance on the day!

Also, a reminder to register the [MSA conference](#) in Brisbane, 12-14 September, if you haven't already and would like to go.

### IANZ Specific Criteria 5

I've been working on an update to Specific Criteria 5 for Metrology and Calibration laboratories. I'm unsure of the entire list of updates yet but I will finally be getting rid of that annoying typo on page 5. Keep an eye on your inbox, as we'll let you know when it's been updated.

### Fun Bits and Internet Stuff

- NIST's [Redefining the Kelvin](#) website: past, present and future;
- A [blog post](#) from mathematician Bonita Saunders, on her reaction to the movie *Hidden Figures* and her path to NIST;
- YouTube video on the Brilliant Life of [Ada Lovelace](#), a fascinating figure in computer programming history.

Tot ziens!

