



## Standards and Calibration Laboratory Guided Tours

### Public Visit

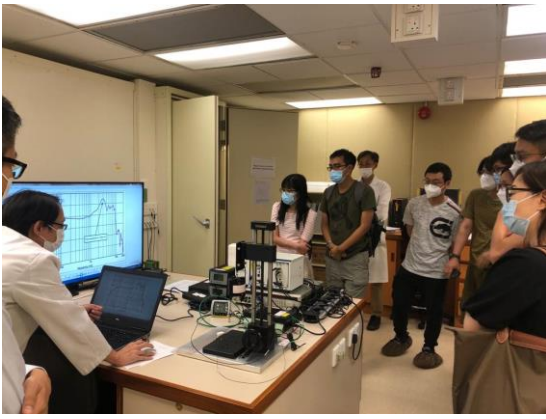
With a view to support the “Science in Public Service” programme, and to promote metrology, the Standards and Calibration Laboratory (SCL) recently invited the public to visit the subject laboratories on 26th August 2022. In response to the high demand, SCL arranged two half day tours to showcase quality content. The guided tours started with a 10-minute video to introduce the SCL’s roles and achievements. SCL professional staff followed this with an introduction to the SI units used in mechanical, electrical, time, and environmental measurements, as well as a presentation of the latest calibration services.

### Two half day full of discoveries and a great learning experience

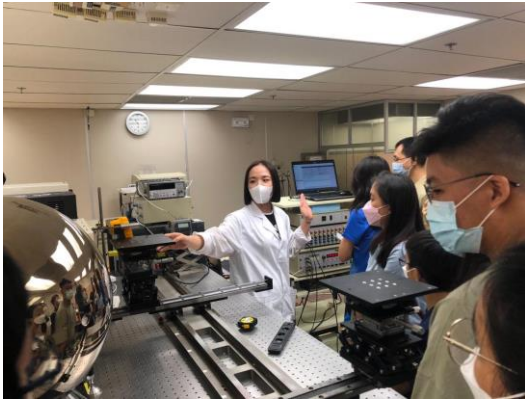
SCL staff displayed many interactive demonstrations and explained the scientific principles behind them to engage with the general public.



Participants learned why time measurement is so important in our daily life, by explaining the methodology and by demonstrating the Stop Watch calibration.



They also learned how human ears would respond to signals with different frequencies, through a hearing exercise and by a demonstration of Sound Level Meter calibration.



By demonstrating the calibration of the Digital Thermometer and the Infrared (IR) Thermometer which are widely used, participants got to understand the importance of accuracy of the measurement.



By introducing the definition of the metre allowed participants to understand the measurement technique behind distance measuring instruments, such as the Laser Distance Meter.



Participants were most curious about how accurate electrical measurements can save monthly electricity bills, namely how the Three-phase Power calibration is an important parameter.

By the end of the tour, participants discovered the measurement of science, as they now understood the theory behind the various demonstrations. They have come to realize how metrology closely relates to our daily lives.

## Positive Feedback!

Coming from various backgrounds, the participants found SCL to be very interesting and were impressed with the demonstrations. It was such a pleasant and educational experience that they would definitely recommend it to their friends and family.

