Clinical thermometers and how to make sure the accurate measurement

(A Measurement Assurance Program Course)

01 April 2020, 9:00 am – 5:00 pm, NMC

Introduction

This course aims to introduce basic metrological concepts and practical knowledge in the use of clinical thermometers for body temperature measurements with minimum errors. Participants will also learn how to calibrate clinical thermometers and how to estimate measurement uncertainties.

Course Leader

Dr Wang Li has been involved in many activities related to radiation thermometry over more than 20 years. She has provided trainings in radiation thermometry both in Singapore and overseas.

Dr Ye Shaochun is a Scientist in the Temperature & Humidity Laboratory in National Metrology Center. He received his Ph.D. from NUS in 2009. His research covers metrology in contact thermometry and humidity.

Course Contents

- International Temperature Scale
- Laboratory performance requirements for clinical thermometers.
- Basic Principles of Clinical Resistance Thermometry and Ear Thermometers.
- Calibration of Clinical Resistance Thermometry and Ear Thermometers.
- Estimation of measurement uncertainty.
- Laboratory practice on calibration

For Whom

- Calibration engineers
- Test engineers
- Thermometer suppliers
- Quality assurance and quality control personnel

Course Registration

□ Fee $450.00+GST (for early registration 1 month before the course date)
□ Fee $500.00+GST (registration close 1 week before the course date)

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01 April 2020

Please fax filled-in form to 62791992, or e-mail to shirley_tng@nmc.a-star.edu.sg to register.

Name of Participant

Ms
Mr
Dr

Designation

Business Telephone

Company

E-mail

Address

Signature/Co Stamp

Date

☐ Check if vegetarian