Metrology in Gas Analysis  
(A Measurement Assurance Program Course)  
27 Jul 2017, 9:00 am – 5:00 pm, NMC

Introduction

This course aims to provide participants with basic metrological concepts and practical knowledge in gas measurement including gas mixture standards quality system, gravimetric preparation of standard gas mixtures, gas analysis and measurement uncertainty evaluation. The lab session covers the gas analysis using gas chromatography.

Course Leaders

Dr. Thomas Wu is a Metrologist of Gas Laboratory, National Metrology Centre. He is responsible for the development, quality assurance and dissemination of gas mixture standards.

Dr. Kai Fuu Ming is a Scientist of Gas Laboratory, National Metrology Centre. He is responsible for the development, maintenance and dissemination of gas mixture standards.

Course Contents

- Introduction to gas metrology
- Gas standard quality system
- Measurement uncertainty evaluation
- Interpretation of gas analyser calibration report and gas CRM certificate
- Gas analysis methodologies
- Purity analysis of gases
- Gas mixture standard preparation using gravimetric method
- Verification of gas mixture standard
- Gas lab safety
- Lab session: Gas analysis using gas chromatography

For Whom

Technical staff and managers working in testing labs, calibration labs and gas industrial sectors.

Course Registration

Fee $390.00+GST

Metrology in Gas Analysis, 27 Jul 2017

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

Acceptance of registration is based on first-come-first-served basis. Payment is to be made by crossed cheque to “SCEI-NMC”, by credit card or by NETS. 50% is refundable for withdrawals in writing at least five days before the commencement of the course. NMC reserves the right to cancel or postpone the course. In the event of cancellation, registration fees will be fully refunded.

Measurement Assurance Program (MAP)

National Metrology Centre (NMC) launched MAP in December 2012 with the aim to enhance the measurement capability and confidence of calibration and testing laboratories. It provides:

- Proficiency Tests (PT) to verify laboratory’s competency and measurement accuracy,
- Measurement Assurance Seminars, and
- Training and consultancy to upgrade the industry’s skills in measurements.

For more details on MAP and upcoming events, visit: www.a-star.edu.sg/nmc/map.htm

Contact Us

National Metrology Centre  
1 Science Park Drive, Singapore 118221  
Tel: +65 6279 1900  
Fax: +65 6279 1992  
Email: metrology@nmc.a-star.edu.sg  
Web: www.a-star.edu.sg/nmc  
facebook.com/nmcsingapore  
twitter.com/nmcsingapore