Fiber Optic and its Measurement for Telecommunications
(A Measurement Assurance Program Course)
23 Jul 2020, 9:00 am – 5:00 pm, NMC

Introduction
This course introduces the basic fiber optics concepts, the various types of optical fibers, the fiber optics devices, and optical communication system. Then we will focus on the measurements for fiber optics device and system, which are important in supporting manufacturing, application and installation, eg. the fiber optic power measurement, insertion loss measurement, optical fiber attenuation measurement, and return loss measurement.

Course Leader
Dr Zhang Jing is a scientist in Optical Metrology, National Metrology Centre, A*STAR. She has been working on optical fiber devices, optical transceivers for optical communications, silicon photonics devices, optical radiometry, and fiber optical sensing and measurement.

Course Contents
Basic fiber optics principles and properties
- Types of optical fibers
- Characteristics of optical fibers
- Fiber optics sources
- Fiber optics detectors

Calibration setup and procedures
- Measurement techniques
- Traceability of the fiber optics measurement
- Primary Calibration Standards
- Secondary Calibration Standards
- Uncertainty & report results
- Discussions with participants on their measurement issues

For Whom
Test engineers, Fiber Optics device users, Calibration engineers, Fiber Optics devices suppliers, Quality assurance and quality control personnel, Process control engineers

Course Registration
□ Fee $450.00+GST (registration close 2 week before the course date)
Fiber Optics and its Measurement for Telecommunications
23 Jul 2020 9:00 am – 5:00 pm,
Please fax filled-in form to 62791992, or e-mail to shirley_tng@nmc.a-star.edu.sg to register.

Name of Participant: ____________________________
Mr  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 telegraphic transfer, by credit card or by NETS. 50% is refundable for withdrawals in writing at least 10 working 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.