

SMF MedTech Exchange @ one-north

An industry partnership with



UL WORKSHOP: Design & Control of General Electrical Safety for IEC 61010-1 MEAS & IVD Instruments

Schedule: 23 May 2018, Wednesday from 9am – 5pm

Registration starts at 8.30am

Address of Venue: 30 Biopolis Street, Singapore S138671

Venue: **Aspiration Theatre (Level 2M), Matrix Building**

General Electrical Safety for IEC 61010-1 MEAS & IVD instruments

Course Objectives

This 1 day workshop provides coverage of the requirements for construction, documentation, markings, enclosures and components, as well as key certification requirements to assist you in designing products for compliance to IEC 61010-1 3rd Edition.

- > Identify the scope of IEC 61010 3rd Edition standard
- > Identify the particular standards for IEC61010 3rd Edition standard
- > Explain the risks evaluated by IEC61010
- > Explain technical consideration (such as insulation/ testing requirements) related to IEC 61010
- > Define the document requirements

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Program

- Development and structure of the standard
- Terminology and basic safety considerations
- Electric shock & insulation requirements
- Mechanical hazards & mechanical evaluation
- Fire hazards & fire enclosure requirements
- Component requirements
- Documentation and marking requirements
- Testing overview per IEC 61010-1
- Test and measurement circuit requirements
- Board overview of the new forthcoming IEC 61010 3.1 edition
- China product safety requirement (high level)

Registration Fee (All below rates subject to prevailing 7% GST)

SMF MTIG Member: S\$150.00

Non SMF MTIG Member: S\$300.00

Start Ups (limit to 2 representatives per Start Up – To confirm by UL): S\$100.00

BES / IEEE / IES Member: S\$80.00

Registration: cherie.ong@smfederation.org.sg

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