



Presents

BASIC METROLOGY

Premier Quality Services Limited offers a programme in Calibration and Measurement. This is presented in conjunction with any of the calibration programmes. It is however, the aspect of our training that we consider to be the most important as the everyday application of the principles of measurement science is somewhat limited in our technical environment.

The Calibration and Measurement course includes the areas listed below. The client group can make the emphasis in any of the areas depending on the needs expressed.

Course Objectives

- 1.0 International framework of Measurement
- 2.0 The International (SI) and units of measurements
- 3.0 Calibration
- 4.0 Characterization of Instruments and Maintenance of Traceability
- 5.0 Inter-comparison and Proficiency Testing
- 6.0 Measurement Principles
 - 6.1 Accuracy
 - 6.2 Bias
 - 6.3 Uncertainty
 - 6.4 Precision
 - 6.4.1 Reproducibility
 - 6.4.2 Repeatability
- 7.0 Sources of error in measurement
- 8.0 Measurement Techniques; Direct, Comparative, Null Detection and Transfer

Date: **September 7th, 2009** Time: **8:30 am — 4:00 pm** Cost: **\$1,200.00 (VI)**

Facilitator:

Mr. Theodore Reddock is the Head of Metrology at the Trinidad and Tobago Bureau of Standards; is a specialist in Measurement and Metrology and has been involved in Measurement and Calibration work for the last 11 years. Mr. Reddock has been trained in Metrology at the National Physical Laboratory (NPL) in India, the National Institute of Standards and Technology (NIST) in the United States of America and the Singapore Institute of Standards and Industrial Research (SISIR now PSB) Singapore.

Note: A two-day program can be designed specifically for your company, based on your particular area, once there are sufficient numbers of persons to train.

For further information, contact: **Ms. Giselle Taylor**
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