

COURSE OBJECTIVE

The objective of this short course is to provide practical training in the application of strain gauges and stress analysis. In this comprehensive, hands-on Strain Gauge Technology, participants will be involved in the installation of strain gauge, circuit connection, inspection of installation, protection against environment, and usage of appropriate read-out instrumentation to verify results of their own installation.

A wide range of strain measuring devices is described in detail. Guidelines for proper instrumentation selection and usage are thoroughly reviewed. Participants have an opportunity to examine and familiarize themselves with all instruments on display. In the instrumentation portion of the program, some electrical circuitry is discussed. Familiarity with Ohm's Law series and parallel circuits and the Wheatstone bridge is helpful.

REGISTRATION FORM

Name : _____
Organisation : _____
NIRC/Passport : _____

Contact No. : _____
E-mail : _____

I would like to register for the Short Course, and herewith I enclosed a Cheque/Bank Draft/Money Order No. _____ payable to

BENDAHARI
UNIVERSITI TEKNOLOGI MALAYSIA
(A.J090804.5352.07029)

Please submit on or before **5 November 2015**

TENTATIVE

DAY 1 : MONDAY (16 November 2015)

8.30 - 9.00 am : Registration
9.00 - 10.45 am : Introduction
Strain Gauge History
Strain Gauge Characteristic
10.45 - 11.00 am : Break
11.00 - 1.00 pm : Installation Technique
1.00 - 2.00 pm : Break
2.00 - 4.45 pm : Strain Gauge Circuitry
Static Measurements
4.45 - 5.00 pm : Tea Break/End

DAY 2 : TUESDAY (17 November 2015)

8.30 - 10.45 am : Dynamic Measurements
10.45 - 11.00 am : Break
11.00 - 1.00pm : Transducer Application
1.00 - 2.00 pm : Break
2.00 - 4.45 pm : Transducer Design for
own specific purpose
Discussion of Specific Problems
4.15 - 5.00 pm : Tea Break/End

REGISTRATION FEE : RM 500 PER PERSON
(GST INCLUSIVE)

All enquiries, payment and course registration of must be sent to :

Secretariat

Center for Composites (CfC)
Institute for Vehicle Systems and Engineering (IVeSE)
Universiti Teknologi Malaysia
81310 UTM Johor Bahru

(Attn. : PM. Dr. Mohd Yazid Yahya)

Tel. No. : 07-5535993 / 07-5535990

E-mail : yazid@fkm.utm.my
fazleen@utm.my
nhaidhar@utm.my



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Center
for Composites
(CfC)

SHORT COURSE :

STRAIN GAUGE MEASUREMENT ON MATERIALS TESTING

SPEAKER :

ASSOC. PROF. IR DR. AMRAN BIN AYOB

*PhD in Mechanical Engineering
(University of Liverpool, UK)*

*Specialization : Pressure Vessel Design
Research Interests : Pressurized Components,
Composite Materials*

Date :

16 — 17 November 2015

Venue :

**P23, Pusat Komposit,
Universiti Teknologi Malaysia,
Johor.**

