

TALK ON “INTRODUCTION TO TAGUCHI METHODS”

Jointly Organise by the Engineering Education Technical Division (E2TD)

In collaboration with

University Putra Malaysia (UPM),

Institution of Mechanical Engineers Malaysia Branch (IMechE) and Engineers Australia Malaysia Chapter (EAMC)

BEM Approved CPD/PDP: 2 Hours

Ref: IEM17/HQ/151/T

Date : 26th April 2017 (Wednesday)
Time : 2.00 p.m. – 4.00 p.m.
Venue : SEMINAR ROOM, LEVEL 2, FACULTY OF ENGINEERING, UNIVERSITY PUTRA MALAYSIA ,
SERDANG, Selangor
Address : Level 2, Faculty of Engineering, University Putra Malaysia, 43400 Serdang, Selangor
Speaker : Associate Prof Dr Khairur Rijal Jamaludin

SYNOPSIS

Taguchi explained that robust design is an engineering methodology for optimising the product and process conditions which are minimally sensitive to the various causes of variation and which produce a high quality product with low development and manufacturing costs. The Taguchi method is one of the applications employed so that the significance of the factor, or multiple factors, that affect the particular process's performance can be statistically determined. This talk briefly introduce on the advantages of employing Taguchi method and who can benefit from this technique. Besides that, speaker will introduce basic application of Taguchi method in research field and industry.

SPEAKER BIODATA

Associate Prof. Dr. Khairur Rijal Jamaludin has a Ph. D in Manufacturing Engineering from Universiti Kebangsaan Malaysia, Master degree from University of Warwick, United Kingdom and Bachelor degree from Universiti Teknologi Malaysia.

After graduation with Bachelor of Mechanical Engineering, he worked with Proton, a National carmaker in Malaysia, a place where he gained his Industrial Engineering experiences. In Proton, he was in charged at the Engine & Transmission Department. In his department, he was responsible for the plant capacity upgrading and setting up a new production line for new engine models. He has been appointed as the academic member of staff in UTM since 1997.

He has published many research articles in International Journals in the field of Quality Engineering using Taguchi method for optimizing metal injection molding processes. He and his team is actively involved with industry research as well as fundamental research particularly related with Taguchi method and Mahalanobis Taguchi System.

With the consent and encouragement given by the family of the late Dr. Genichi Taguchi, he and his team have founded a Genichi Taguchi Centre for Quality and Sustainability in UTM.

Ir. Assoc. Prof. Dr. Mandeep Singh
Chairman
Engineering Education Technical Division
Session 2016 / 2017

ANNOUNCEMENTS TO NOTE:

- **Non-members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- Limited seats are available on a "first come first served" basis (maximum 100 participants). **To secure your seat, kindly register online at www.myiem.org.my.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- Student Members are however exempted.

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