



REGISTRATION FORM (2 DAYS TRIZ Workshop)		
Fax: 03 – 7957 7678 Email: <a href="mailto:shamalah@iem.org.my">shamalah@iem.org.my</a> Website: <a href="http://www.myiem.org.my">www.myiem.org.my</a>		
Name(s)	Grade & IEM M'ship No.	Fees (RM)
Total Amount Payable :		
Cheque no. _____ for the amount of RM _____ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA".		

REGISTRATION FORM (HALF DAY SEMINAR)		
Fax: 03 – 7957 7678 Email: <a href="mailto:shamalah@iem.org.my">shamalah@iem.org.my</a> Website: <a href="http://www.myiem.org.my">www.myiem.org.my</a>		
Name(s)	Grade & IEM M'ship No.	Fees (RM)
Sub Total:		
6% GST :		
Total Amount Payable :		
Cheque no. _____ for the amount of RM _____ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA".		
Company:		
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Contact Person:	Designation:	
Signature:	Date:	

**Terms & Conditions:**

- For **ONLINE REGISTRATIONS**, only **ONLINE PAYMENT** is applicable [via RHB and Maybank2u –Personal saving & Personal Current; Credit Card - Visa/Master.
- Payment via **CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN** will be considered as **NORMAL REGISTRATION**
- **FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.**
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

**TRIZ CARNIVAL 2015**  
**Theory of Inventive Problem Solving Carnival 2015**  
 Date: 30-31 March 2015  
 Time: 8.30 am – 5.00 pm  
 Venue: Dewan Kuliah N24 UTM Johor Bahru  
**Half Day Seminar on Complex Problem Solving from Industries Perceptive.**  
 Date : 1<sup>st</sup> April 2015  
 Time: 8.30 am – 1.00 pm  
 Venue: Faculty of Bioscience & Medical Engineering (FBME), Block T02, UTM, Johor Bahru.  
**Speakers:**  
 Mr. TJ Yeoh & Dr. TS Yeoh.  
 Organised by: Engineering Education Technical Division & Centre of Engineering Education UTM.

**BEM Approved CPD/ PDP hours: 13**

**Ref. No.: IEM15/HQ/098/C**

**Registration Fees for 2Days TRIZ Workshop:**

Grade	Online	Normal Rate
IEM Student Member	RM500	RM 600
IEM Graduate Member/Corporate Member	RM650	RM750
Non – IEM Member	RM 900	RM 1000

**BEM Approved CPD/ PDP hours: 3.5**

**Ref. No.: IEM15/HQ/099/S**

**Registration fees for Half Day Seminar : (GST Not Included)**

Grade	Online	Normal Rate
IEM Student Member/Graduate Member/Corporate Member	RM 200	RM 300
Non IEM Member	RM350	RM450

## SYNOPSIS

TRIZ is a theory created to systemize processes and procedures related to innovation and creativity in the solution of problems. TRIZ is a Russian acronym which can be expressed in English as “Theory for Inventive Problem Solving” and consist of a theory, operating procedures, and a range of tools created by Saulovich Altshuller from 194, with the objective of capturing the creative process in technical and technological contexts, codifying it and making it repeatable and applicable, in short a proper theory of invention. TRIZ allows the analysis, the structuring of models and finally, the solution upon a series of subsequent stages and operating tools. Up to this day, the TRIZ methodology has proved to be the most efficient to solve inventive problems and one which maybe learnt and used without any need for an innate individual creativity. Supporting the validity of the methodology is the diffusion in companies both in small and medium enterprises, as well as several giants at a worldwide level, among them are 3M, BAE Systems, Boeing Corporation, Diamler Chrysler, Dow Chemical, Ford, GM, HP, Hitachi, IBM, Intel, Johnson & Johnson, LG Electronics, Motorola, Kodak, NASA, Nestle, OTIS Elevators, Panasonic, Procter & Gamble, Samsung, Siemens, Toyota, UNISYS, Xerox, Whirlpool, Saipem and Bticino.

## LEARNING OUTCOME

### 2 Days Level 1 Training.

This 2days training will introduce:

- TRIZ Methodology
- History of TRIZ and Global Adaptations.
- Structured Problem Solving Process.
- Function Analysis
- Cause & Effects of Chain Analysis
- Trimming
- Ideality
- S-Curve
- Introduction to Trends of Engineering
- Systems Evolution
- Technical Contradiction.
- 40 Inventive Principal
- Systems Operation
- Levels of Innovation.

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**For further details please contact:**

**Engineering Education Technical Division**

c/o The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/ 62, Jalan 52/ 4, P.O. Box 223 (Jalan Sultan) ,  
46720 Petaling Jaya, Selangor.

**Tel.:** 603 – 7968 4014 **Fax:** 603 – 7957 7678

Website: [www.myiem.org.my](http://www.myiem.org.my)

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## SPEAKERS BIODATA

### TJ YEOH

TJ Yeoh joined Intel Malaysia in 1990. He has a BE (Hons) (Mechanical) from University of Centerbury, Christchurch, New Zealand graduated in the year 1989 and is a Senior Staff Manufacturing Technologist in Penang. His current work revolves around new product development. His experience includes Assembly Technology Development, product transfers and Strategic Capacity Planning. He is Level 3 certified under the International MA-TRIZ Association. Together with his colleagues, they have several years of experience in the proliferation and adaptation of TRIZ across manufacturing facilities in various countries including China, Costa Rica, Malaysia and Philippines. They also have published a book entitled “TRIZ: Systematic Innovation in Manufacturing.”

### Dr. TS YEOH.

Dr. TS Yeoh was a principal Engineer, graduated in 1986 and formerly attached to Intel Corporation. He worked or Intel for more than 25years. He started as a Product Quality & Reliability and Failure Analysis Engineer in 1987. While working, he obtained his MSc. and PhD in Physics from Universiti Sains Malaysia. His technical focus is on Manufacturing Improvements. Theory of Inventive Problem Solving (TRIZ) and Manufacturing/Device level Electrostatic Discharge (ESD). Dr. TS Yeoh has conducted many facilitation sessions and worked with engineers across different countries. He has published articles in journals and conference proceedings which include IEEE International Reliability Physics Symposium.

<b>TENTATIVE PROGRAMME (2DAYS TRIZ LEVEL 1 TRAINING)</b>	
<b>Time</b>	<b>Events</b>
<b>8.30 - 9.00a.m.</b>	<b>Registration</b>
<b>9.00 -10.30am</b>	<b>Session Starts</b>
<b>10.30 - 11.00am</b>	<b>Morning Break</b>
<b>11.00-1.00pm</b>	<b>Session Continue</b>
<b>1.00pm- 2.00pm</b>	<b>Lunch Break</b>
<b>2.00pm-5.00pm</b>	<b>Session Resumes.</b>
<b>5.00pm</b>	<b>Session end</b>