



One Day Workshop on “Secret of Accelerated Engineering Innovation Using TRIZ: Part 1”

By:

Dr. Zulhasni bin Abdul Rahim

Date : 7th Sept 2019 (Saturday)
Venue : Auditorium Tan Sri Prof. Chin Fook Kie
3rd Floor, Wisma IEM
Petaling Jaya, Selangor
Time : 9.00 am to 5.00 pm

BEI Approved CPD/PDP Hours (7)
Ref.No: IEM/19/...

**POSTPONED UNTILL
FURTHER NOTICE**

Closing Date 31st August 2019

NO online registration will be allowed after the Closing Date

Organised by:

**Engineering Education Technical Division (E2TD),
The Institution of Engineers, Malaysia**

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

SYNOPSIS

Innovation is an important skill much needed in the new economy. With competition becoming increasingly intense, innovation is no longer a “nice-to-have” skill but a “must-have”. There is a way to learn INNOVATION in a systematic approach. The approach is called TRIZ or Theory of Inventive Problem Solving. TRIZ is a Russian methodology discovered about 66 years ago but has remained a well-kept secret. This open-secret has finally reached you through this workshop.

Did you know any innovation tools that create the biggest impact in engineering and technology market? TRIZ is recognized as one of the powerful methods for innovation. It is embraced by many corporations namely 3M, BAE Systems, Rolls Royce, Boeing Corporation, Daimler Chrysler, Dow Chemical, Ford, GM, HP, Hitachi, IBM, Intel, NASA, Samsung, HUAWEI, Siemens, Hyundai, KIA, Toyota, UNISYS and Xerox amongst.

Invest yourself with this proven innovation tools that empowered you by adding value to your engineering and technology senses.

OBJECTIVE

At the end of the session, participants will be able to:

1. Understand the concepts of innovation called TRIZ (Theory of Inventive Problem Solving)
2. Transform your engineering and technology challenges using powerful TRIZ tools called ‘Function Analysis’
3. Apply the concept of TRIZ to your own innovation, such as CECA, 39 engineering parameters, 40 inventive principles, etc.

The aim of the workshop is for the participants understand the potential value of TRIZ innovation concepts to create an innovation initiative and solving engineering/ technical challenges effectively, faster, better and cheaper.

SPEAKERS



Zulhasni Abdul Rahim is currently a Senior Lecturer at the Management of Technology in Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia. He received his bachelor degree in Mechanical Engineering from Universiti Sains Malaysia (USM) in 2002. After working with PROTON, he was offered an academia position at MJIT, UTM. He obtained his PhD from Universiti Teknologi Malaysia. He became National expert for TRIZ Innovation and he have served various government, agencies and industries on TRIZ. His research interest is on innovation and commercialization.

PROGRAMME

TIME	PROGRAMME
08.30 – 09.00	<i>Registration and Welcome Coffee / Tea</i>
09.00 – 09.05	<i>Welcome Address</i>
09.05 – 10.00	Session 1 : Introduction to TRIZ innovation
10.00 – 10.15	<i>Morning Tea Break</i>
10.15 – 11.15	Session 2 : Innovative mindset using TRIZ tools called 'Functionality'
11.15 – 12.15	Session 3 : How to speed up process in finding solutions using 'CECA'
12.15 – 13.00	Q & A Session and Discussion
13.00 – 14.00	<i>Lunch</i>
14.00 – 15.00	Session 4 : Understanding system through '39 engineering parameters'
15.00 – 15.15	<i>Afternoon Tea Break</i>
15.15 – 17.15	Session 5 : Accelerate innovative solution using '40 Inventive Principles'
17.15 – 17.30	Q & A Session and End of Seminar

* IEM reserves the right to postpone, reschedule, allocate or cancel the course.

For further details, kindly contact:

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 4001/2 Fax : 603-7957 7678 Email : shahrul@iem.org.my/amira@iem.org.my

REGISTRATION FORM

One Day Workshop on “Secret of Accelerated Engineering Innovation Using TRIZ: Part 1”
Organised by Engineering Education Technical Division (E2TD), IEM
07th September 2019

Tel : [603-7968 4001/2](tel:603-796840012) Fax : [603-7957 7678](tel:603-79577678) Email : shahrul@iem.org.my/amira@iem.org.my

REGISTRATION FEE (SST NOT INCLUDED)

	ONLINE	NORMAL FEE (via email /walk-in)
Student Members	150.00	180.00
Graduate Members	250.00	300.00
Corporate Members	400.00	450.00
Non-IEM Members (all the above categories)	550.00	600.00

No	Name(s)	Membership No.	Grade	Fee (RM)*
6% SST ADDED (Implemented Effective from 1 July 2019)				

PAYMENT DETAILS:

Cash RM _____

Cheque no. _____ for the amount of RM _____ (non refundable) and made payable to **THE INSTITUTION OF ENGINEERS MALAYSIA** at the address: _____ **Payee Only**.

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved by the intended participant fails to attend the course, the fee paid is non refundable. If the participant failed to attend the course, the fee paid is non refundable. The Registration fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment must be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration will be treated as a normal registration fee.

Contact Person : _____ Designation : _____

Name of Organisation : _____

Address : _____

Telephone No. : _____ (O) Fax No : _____ (O)

Handphone : _____ (HP) Email : _____

Signature & Stamp

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.

