

REGISTRATION FORM		
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Name(s)	Grade & IEM M'ship No.	Fees (RM)
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Cheque no. _____ for the amount of RM _____ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA".		

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IMPORTANT NOTES
<ul style="list-style-type: none"> For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [viz. RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card – Visa/ Master ; MEPS FPX – Bank Islam personal account, CIMB Clicks personal account & CIMB Biz Channel business account, Hong Leong Bank Personal Account, Maybank2u Personal Account & Maybank2e Business Account, Public Bank Personal Account and RHB Bank Personal Account]. Payment via CASH, CHEQUE, BANK-IN TRANSMISSION, BANK DRAFT, MONEY ORDER, POSTAL ORDER, L/O or WALK-IN will be considered as NORMAL REGISTRATION. For online registrations, please note that payment MUST be made before the closing date at the latest. If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee. FULL PAYMENT must be settled before commencement of the event, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails 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, refreshments and lunch. IEM reserve the right to reject any L/O not in accordance with these instructions. 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.



ONE-DAY COURSE ON PLASTICS FOR AUTOMOTIVE APPLICATIONS

by
**Ir. Assoc. Prof. Dr Tee Tiam Ting &
Engr. Dr Lee Tin Sin**

Date: 21st November 2012 (Wednesday)

Time: 9.00 a.m. – 5.00 p.m.

Venue: C&S Lecture Room, 2nd floor,
Wisma IEM, PJ, Selangor

BEM Approved CPD/ PDP hours: 6

Ref. No.: IEM12/HQ/218/C

REGISTRATION FEE		
Grade	Normal (Offline)	Online
IEM Student Member	RM80	RM50
IEM Graduate Member	RM280	RM250
IEM Corporate Member	RM380	RM350
Non-IEM member	RM700	RM650

- **Closing Date:** **18th November 2012**
- **Online registration** is **NOT** applicable after the closing date.

Organized by Chemical Engineering Technical Division, IEM

TENTATIVE PROGRAMME

Time	Details
8.30 – 9.00 a.m.	Registration
9.00 – 10.00 a.m.	Session 1: Introduction of plastics technology and industry analysis
10.00 – 10.30 a.m.	Refreshment Break
10.30 – 11.30 a.m.	Session 2: Plastic reinforcement and processing method
11.30 a.m. – 12.30 p.m.	Session 3: Competition between plastics, composites and other materials
12.30 – 1.30 p.m.	Lunch Break
1.30 – 2.30 p.m.	Session 4: Environmental and safety requirements and customer demand
2.30 – 3.30 p.m.	Session 5: Recycling and Disposal
3.30 – 4.00 p.m.	Tea Break
4.00 – 5.00 p.m.	Session 6: Examples of the use of plastics for specific components and systems
5.00 p.m.	End of Workshop

INTRODUCTION

This course is specially designed for people interested to gain knowledge on the plastics usage for automotive applications. This course will cover the basic theory of polymer properties and characterization as well as the processing technology. It is followed by exploring the plastic reinforcement technology and their competition in the automotive industry. In addition, environmental and safety requirement based on the customer demand of the automotive industry will be discussed. Finally, the examples of the use of plastics for specific components and systems will be covered.

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

- ✓ Analyse laboratory data to determine the performance of the plastic materials.
- ✓ Select plastic materials based on application requirements.
- ✓ Synthesis the reinforcement package for automotive application.
- ✓ Determine the safety specifications to fulfil the international standards.

BIOGRAPHY



Ir. Assoc. Prof. Dr Tee Tiam Ting is an associate professor in Chemical Engineering Department of Universiti Tunku Abdul Rahman (UTAR). He has more than 30 years of teaching and research experiences in the field of Plastics in the university. He was the former vice president of IEM and currently the fellow member of IEM. He still plays an active role as a committee member of Chemical Engineering Technical Division (CETD) of IEM. He graduated with PhD from McGill University, Canada and was working on developing an oscillatory rheometer in 1970s to measure the viscoelastic property of polymer melts. He had worked as plant manager in an international Injection Moulding company at Montreal, Canada. He is currently an active consultant for Commercial Polymers Sdn. Bhd. to develop crosslinked polyethylene for cable application. He also had served as technical adviser to Malaysian Plastics Manufacturing Association of Malaysia for many years. He plays an active role in designing the polymer engineering curriculum of UTAR for undergraduate program.

Engr. Dr Lee Tin Sin is an assistant professor in Chemical Engineering Department of Universiti Tunku Abdul Rahman (UTAR). He graduated from the Universiti Teknologi Malaysia (UTM) with First Class Honours in Bachelor of Engineering (Chemical-Polymer) and PhD in Polymer Engineering. He completed his PhD in two years' time with 10 papers publications in international journals and book chapter about the characterization of biopolymer. His PhD research was focus on developing injection mouldable biodegradable cassava starch polymer compound which has won silver medal award in Malaysia Technology Expo 2010. Moreover, he has received IEM Young Engineers Award 2012.



Previously, he worked as a R&D Process Engineer in Superlon Worldwide Sdn. Bhd. which is one of the largest nitrile insulation manufacturers in Malaysia. Currently, he plays active roles in designing the polymer engineering curriculum of Universiti Tunku Abdul Rahman for undergraduate program. Besides, he also serves as a committee member of the Chemical Engineering Technical Division (CETD) of IEM. In March 2012, the Young Engineer Award was conferred on him by the IEM Council in recognition of his outstanding works and achievements as an inspired young engineer.

For further details please contact:

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c/o The Institution of Engineers, Malaysia

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