

### Talk on “Diesel-CNG Dual Fuel Vehicle”

**Date** : Saturday, 31<sup>st</sup> March 2017  
**Venue** : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru.  
**Speaker** : Prof. Dr. Mas Fawzi bin Mohd Ali, Universiti Tun Hussein Onn Malaysia

#### Synopsis

Despite the Global Automotive Roadmap adapted by our National Automotive Policy 2014 that charted towards electric vehicles in year 2030 and fuel-cell vehicles in 2040, diesel vehicles may still be relevant for transportation and logistics in our country. However, technology development must be made in order to move along or comply with the energy efficient vehicle guideline and the stringent exhaust emission standard. Moving towards the same direction, a concept of diesel-CNG dual fuel vehicle was materialized in a 2.5L common rail engine 4x4 pickup truck. The dual fuel vehicle has passed Puspakom inspection and approved by JPJ to be roadworthy. This talk will be a sharing session aimed at academicians, researchers, practicing engineers and to anyone who desires to know the fundamental concept, the research and development work, the experimental results, potential fuel cost savings, other benefits and challenges on the diesel-CNG dual fuel vehicle.

Time	Programme Tentative
8.30 a.m. - 9.00 a.m.	- Registration
9.00 a.m. – 9.10 a.m.	- Welcome Speech By IEM (SB) Organising Committee
9.10 a.m. – 10.15 a.m.	- Diesel-CNG Dual Fuel Vehicle (Session 1)
10.15 a.m.- 10.30 a.m.	- Coffee Break
10.30 a.m.- 12.00 p.m	- Diesel-CNG Dual Fuel Vehicle (Session 2)
12.00 p.m.- 12.30 p.m.	- Discussion - Questions & Answers Session
12.30 p.m.	End

#### Speaker Biodata

**Prof. Dr. Mas Fawzi bin Mohd Ali** received his Bachelor Degree in Electromechanical System Engineering from University of Manchester Institute Science and Technology (UMIST) in United Kingdom in 1997. In year 2004, after 6 years of industrial working experience in Sharp-Roxy Electronics Corporation, he shifted his career from engineer to an academician in Universiti Tun Hussein Onn Malaysia (UTHM). Then he pursue a Master Degree in Mechanical Engineering from Universiti Teknologi Malaysia, by researching on gasoline direct fuel injection and graduated in 2007. After serving UTHM for 2 years as a lecturer, he went to the University of Tokushima, Japan to further his study in the field of gaseous fuel combustion and graduated with PhD in Earth And Life Environmental Engineering in 2012. He is currently an Associate Professor at the Department of Energy and Thermo Fluid Engineering at the Universiti Tun Hussein Onn Malaysia. He is also holding a post as the Deputy Dean (Research, Development and Publication) in the Faculty of Mechanical and Manufacturing Engineering. Among of his research interests are in green technology, alternative fuels and combustion control.

#### Participant Fees:

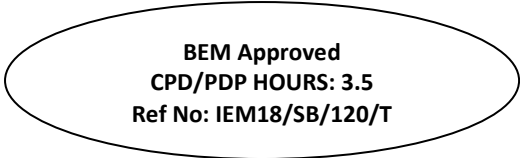
Grade	Online	Normal
IEM Corporate Member & Graduate Members (30 years and above)	RM70	RM90
IEM Graduate Members (Below 30 years)	RM60	RM80
IEM Senior Engineers (60 years and above)	RM60	RM80
IEM Student Members	RM50	RM60
Non-Member	RM120	RM150

**Closing Date: 27<sup>th</sup> March 2018**

**For ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708) before the **closing date**.

Registration will be on a first-come-first-serve basis. Kindly return the Reply Slip to the IEM (SB) office before **27<sup>th</sup> March 2018** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***. Alternatively, you could bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

*Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)*



To: Hon. Secretary, The Institution Of Engineers, Malaysia (Southern Branch) **FAX: 07 - 331 9710**

**Talk on “Diesel-CNG Dual Fuel Vehicle”**

Saturday, 31<sup>st</sup> March 2018, 9.00 a.m. – 12.30 p.m. at the IEM (Southern Branch) Training Centre, Johor Bahru

I wish to attend the above talk. I enclosed herewith a cheque No. .... for the amount of RM.....as payment for the seminar fee.

Name of Member: .....Membership No:.....

I/C No: .....

Address: .....Tel (O): ..... Fax :.....

.....Tel (H/P):.....

.....E-mail:.....

Company's Name: .....

Signature: ..... Date: .....

**Note:** For IEM members, membership cards should be presented for identification purpose. Failure to present the card, one will be declared as a non-IEM member and he/she will be required to pay the non-IEM member fee.