About the Course

Diesel Engines have come to stay as a prime mover. The good thermal efficiency & high torque capability are main points. Diesel combustion being heterogeneous and the high air availability lead to generation of pollutants. However, the compactness of the diesel as a power plant has triggered development activity to overcome this weak point.

Course Objectives

This course would act as a Foundation for Fresher and a Refresher to Practicing Engineers. It also acts as a forum for Knowledge Sharing among the Automotive Fraternity.

Course Content

Day 1: 10th Dec 2018 - Timing 9:00 A.M to 5:00 P.M


Day 2: 11th Dec 2018 - Timing - 9:00 A.M to 2.00 P.M Session and Followed by discussion

Solution for Advanced Diesel Emission Limits: Fuel Injection Equipment, SCR, DPF and Hybrid

The new emission standard is near zero with constraints on GHG gases: It has tightened fuel consumption and emissions. The designer is also limited regarding the increase in the cost of the engine. It appears the optimum route is given by high pressure multiple Injection, SCR with some EGR and a DPF. New substrates and catalysts for reducing the light off temperature and improving efficiency are developed for the SCR to satisfy the ultra-low emission limits. A Hybrid gives some relief to the designer; Electricity efficiently develops motive power at low speeds and during acceleration when emissions are usually high from a diesel engine. An outline of these technologies will be discussed in general with the help of graphs and figures taken from published literature.

Speakers

Mr. C. Prakash, Consultant-Training and Development, Ashok Leyland, Chennai

Mr. C. Prakash did his M. Tech in IC Engines at IIT Madras. He joined Ashok Leyland, Engine Development Group in March 1978. He then honed his skills on the application of the Fuels & Lubricant Technology towards the automotive field at Indian Institute of Petroleum. He has an overall command on Diesel engines with his work centred on Performance Enhancement & Emission Control. He led and guided all the three engine groups - Proto engines testing / Non-Automotive Engines Application / Engine Engineering 2003 to 2011. His last innovative work on engines was for the Ashok Leyland LCV DOST, completely in house developed engine “P15”.

He currently consultant-Training & Development for the Product Development Division. He imparts knowledge on diesel engine emission control in Ashok Leyland, Academic Institutions & also in a wide range of public forums. His scope of teaching emphasizes on Human Values & Ethics & also does Value addition towards attitude.

Dr. P. A. Lakshminarayanan, Chief Technical Officer, Simpson and Co. Ltd.


Who should attend?

Fresh Automotive Engineers, Practicing Engineers working in Diesel engine in various leading industries. As the program covers the basics of Diesel Engine Technology, it will greatly benefit the faculty of Academic institutions, who can further their knowledge on the practical aspects of Diesel Engines.

Registration Fees

Rs. 3,000/-* per delegate for Faculty Members
Rs. 2,000/-* per delegate for Student Members
* Inclusive of 18% GST

Registration Link:
https://geoqforms/form/8Bki/FbJARYYuEo2

Online Link:
https://www.payumoney.com/events/R/buyTickets/Diesel-Engine

Venue:
Energy Hall
Opposite of Henry Maudsley
Anna University, Guindy, Chennai