

ABOUT THE WORKSHOP

The friction material formulation is considered as an art, only mastered by the experienced people. Even though, we could get the finger print of all the ingredients, how they work in combination with different properties, in different proportion is still an unresolved phenomenon. This is true especially for those who want to pursue research in the area of friction materials. Formulations and method of arriving formulation cannot be revealed by the OEMs and aftermarket people due to proprietary reasons. This workshop aims in breaking this orthodox principle. The sharing of research experience and insight in this frontier area by renowned formulators across the country will benefit the beginners in industry and academic researchers. The various testing procedures for beginners and the environmental issues related to friction material will also be addressed.

PARTICIPANTS

- Faculty members from various Institutions
- Researchers Pursuing in the area of Friction Materials
- R & D Personnel from Friction Industries
- Selection will be on first come first serve basis.

REGISTRATION

The registration fee of Rs. 500 for the delegates from academic institutions and Rs. 2000 for the delegates from industries can be paid via online payment (NEFT Transfer). The bank details are,

A/C No : 165701000019388

IFSC Code : IOBA0001657

Beneficiary Name : Dept. of Mechanical Engineering

Alternative mode of payment

The registration fee can be paid through demand draft drawn in favour of "Department of Mechanical Engineering" payable at Chennai

PATRON

Prof. Tan Sri Dato' Sri Ir. Dr. Sahol Hamid bin Abu Bakar,
Vice Chancellor
B.S. Abdur Rahman Crescent Institute of Science & Technology

CO-PATRON

Dr. M.S. Haji Sheik Mohammed,
Registrar i/c
B.S. Abdur Rahman Crescent Institute of Science & Technology

CONVENER

Dr. S. Rasool Mohideen,
Dean (SMS)

CO-ORDINATORS

Dr. M.A. Sai Balaji, Asso. Professor
Dr. A.S. Selvakumar, Professor

SPEAKERS



Dr. Vijay Subramanian
Indian Representative, Alroko GmbH & Co. KG, Germany
Raw Materials for Friction Formulations



Mr. Habib Rahamatullah
Indian Friction Material Engineering Company, New Delhi
Brake Friction Material - Basic Principles behind Formulation



Mr. P.M. Venkatasamy
Pyramid Precision Engineering India (P) Ltd.,
Friction Material Testing - F.A.S.T. Machine to Inertia
Dynamometer (Testing in the company premises)



Dr. K.L. Sundar Krishna
Global Technical Adviser
Environmental Impact of Friction Material - Need for
Legislation in India



Mr. E. Devarajan
Valeo India Private Ltd.,
Principles behind Clutch Design



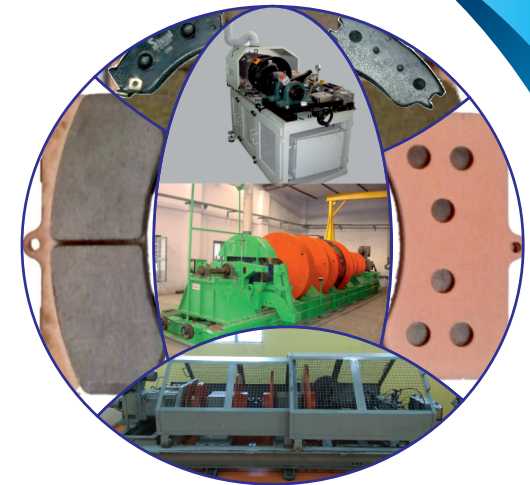
Dr. Mukesh Kumar
Thapar Institute of Engineering & Technology
Copper-free Non-asbestos Organic (NAO) Friction Materials for
Automotive

Note:

All the interested participants will be taken to M/s.Pyramid Precision Engineering India (P) Ltd, to gain some hands on experience on brake pad testing with Inertia brake dynamometer, KRAUSS Testing machine, Compressibility tester and shear testing machine. Composites developed by the academicians as part of their research work can also be tested during the workshop at reasonable price.

One Day National Level Workshop on FRICTION MATERIAL CONCEPTS Formulation, Testing & Environmental Issues

10th April 2018



Organized by
Department of Mechanical Engineering



B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

ABOUT THE INSTITUTION



B.S. Abdur Rahman Crescent Institute of Science & Technology (Estd. u/s 3 of the UGC Act. 1956, India), formerly Crescent Engineering College is acclaimed throughout India for its quality in teaching and research. The institution is committed to focus on three dimensions of higher education Viz., quality teaching, innovative research and appropriate applications of knowledge through extension, outreach and consultancy activities. The institution is located on the Chennai - Trichy National Highway, 7km from Tambaram and 2km from Vandalur Railway Station and 17km from the Chennai International Airport.

OBJECTIVE OF THE WORKSHOP

- Identify the basic principles behind friction material formulation
- Identify suitable tests to distinguish the differences between the friction materials and to interpret friction material test results
- Environmental concerns with the friction materials and the possible remedies
- Possible alternatives for copper and its alloys.

VENUE

B.S. Abdur Rahman
Crescent Institute of Science & Technology
Vandalur, Chennai - 600 048.

DATES TO REMEMBERS

Last date of Registration : 02.04.2018
Selected Participant Intimation : 05.04.2018

CONTACT DETAILS

Dr. M.A. Sai Balaji & Dr. A.S. Selvakumar,
Department of Mechanical Engineering,
B.S. Abdur Rahman Crescent Institute of Science & Technology,
Vandalur, Chennai - 600 048.,
Mobile: 94430 18337, 94444 28481
E-mail: workshopbsacu@gmail.com

ABOUT THE DEPARTMENT



The department of Mechanical Engineering started in 1984, is one of the oldest department of this Institution. A high degree of professionalism is inducted to the students through student chapters of professional associations such as American Society of Mechanical Engineers (ASME), Society of Automotive Engineers (SAE), Indian Society for Heating Refrigeration and Air-conditioning (ISHRAE) and Society of Mechanical Engineers. The department organizes programmes to provide the students with industrial and practical experience through training and project work in industries to meet the industrial requirements and face real life situations. The Department of Mechanical Engineering offers the following programmes at undergraduate and postgraduate level:

- B.Tech. Mechanical Engineering
- B. Tech. Mechanical Engineering (Part Time)
- M. Tech. CAD/CAM
- M. Tech. Manufacturing
- M. Tech. CAD/CAM (Part Time)
- M. Tech. Manufacturing (Part Time)
- Ph. D. - Full Time/ Part Time

SPONSORS



Department of Mechanical Engineering
B.S. ABDUR RAHMAN
CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY
Vandalur, Chennai 600 048.

REGISTRATION FORM

One Day National Level Workshop on
**FRICION MATERIAL CONCEPTS -
Formulation, Testing & Environmental Issues**
10th, April 2018

Full Name :
Qualification :
Designation :
Organization :
Address :
Mobile :
E-mail :

Registration Category:

Academic Institution Industry

Details of Registration

Amount :
Online Transfer Ref. No. :
Date of Transfer :
DD Details :

Applicant's Signature

CERTIFICATE

Dr. / Mr. / Ms.....is working
in the Department ofEngineering
in our organization / institution and is sponsored to
attend the programme.

Place:
Date :
Signature of the Sponsoring Authority
(with seal)