

## ABOUT THE WORKSHOP

The workshop “Friction material concepts and electronic braking system” provides a forum for friction material industries, Automotive companies, Engineers and Academicians working in the area of brake friction technology to share and gain knowledge. The encouraging Global markets in friction materials will be analyzed. It also deals with the physico-mechanical properties like porosity, compressibility, hardness etc and how the overall end properties are affected by them with some case studies. Green friction materials will also be discussed from environmental point of view. To reduce the response and buildup times in brake cylinders electronic activation of the EBS will be detailed by the pioneers in the respective field. In addition, most of the OEMs develop their own sulphide mix to suit their formulation. The concept behind these sulphide mix recipe will be discussed.

## PARTICIPANTS

- Faculty members from various Institutions
- Researchers Pursuing Research in the area of Friction Materials
- R & D Personnel from Friction Industries

## REGISTRATION

The registration fee of Rs. 1000 for the delegates from academic institutions and Rs. 2500 for the delegates from industries can be paid via online payment (NEFT Transfer). The bank details are,

Bank : Indian Overseas Bank, Vandalur  
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. A. Azad,  
Registrar,  
B.S. Abdur Rahman Crescent Institute of Science & Technology

### CONVENER

Dr. S. Rasool Mohideen,  
Dean (SMS),  
B.S. Abdur Rahman Crescent Institute of Science & Technology

### COORDINATOR

Dr. M.A. Sai Balaji, Asso. Prof.,

### CO-COORDINATORS

Mr. K. Sathick Basha, Asst. Prof.,  
Mr. B. Surya Rajan, Asst. Prof.,

### SPEAKERS



#### Dr. Vijay Subramanian,

Indian Representative, Alroko GmbH & Co. KG, Germany,  
Global Markets for Friction Materials.



#### Mr. Habib Rahamatullah,

Indian Friction Material Engineering Company, New Delhi,  
Effect of Physical Properties on Overall Performance of NA Disc  
Brake Pad with Case Studies



#### Mr. Sung Ho Kim,

Mando Automotive (P) Ltd.,  
Electronic Braking System.



#### Dr. Amar Patnaik, Asso. Prof., MNIT, Jaipur,

Environmental Friendly Automotive Brake Materials:  
A Step Towards Copper Replacement



#### Mr. B. Murugesh,

Engineering & Program Manager, Carlisle Brake & Friction.  
Wet Friction Systems & Applications

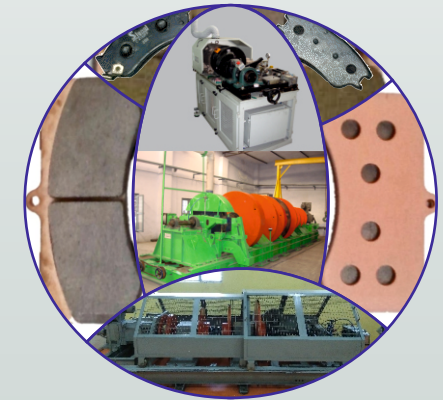


#### Mr. L. Ramasamy,

Technical Consultant, Masu Brakes Private Limited, Delhi.  
The Performance Behavior of Friction Materials in Automotive  
Application

# One Day National Level Workshop on FRICTION MATERIAL CONCEPTS & ELECTRONIC BRAKING SYSTEM

28<sup>th</sup> August 2019



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  
GST Road, Vandalur, Chennai 600 048

In Association with



# Mando



## 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.

## VENUE

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

## CONTACT DETAILS

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**Mr. K. Sathick Basha & Mr. B. Surya Rajan**  
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B.S. Abdur Rahman Crescent Institute of Science & Technology,  
Vandalur, Chennai - 600 048.  
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## 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
- Ph. D. - Full Time/ Part Time

## DATES TO REMEMBERS

Last date of Registration : 20.08.2019

## PREVIOUS YEAR PARTICIPANTS



## REGISTRATION FORM

One Day National Level Workshop on  
**FRICION MATERIAL CONCEPTS &  
Electronic Braking System**  
28<sup>th</sup>, August 2019

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 : .....

### Food Preference

Veg.  Non-Veg.

### CERTIFICATE

Applicant's Signature

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

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