



SPECIAL DISCOUNT ON GROUP BOOKING
(MINIMUM 10 ATTENDEES FOR SAME SESSION
10% DISCOUNT)

SKIP

Steering Systems & Vehicle Handling

Date : 3rd & 4th November 2017
Speaker : Mr. S. Radhakrishnan M.Tech.
(Retired) Vice-President (R&D) from Rane TRW Steering Systems Ltd.



Venue: MLR Institute of Technology,
Near Gandimysamma Police Station Road,
Dundigal, Quthbullapur, Hyderabad, Telangana
500055, Mobile: +91-9176524496,
E-mail Id: skip@saeiss.org Website: www.saeiss.org

Course Content

- **Steering Systems**
- **Fundamentals of Automotive Steering**
- **Different types of Steering Systems & Examples**
- **Steering Gears, Steering Columns & Steering Linkages**
- **Future Steering Systems**
- **Fundamentals of Vehicle Handling**
- **Major factors affecting Vehicle Handling**
- **Suspension system and Handling**
- **Steering system and Handling**

About the Course

Considering the prevailing traffic/road conditions as well as the burgeoning vehicle population in India, driving safety is of paramount importance. Vehicles that steer and handle well are a pre-requisite to ensure driving safety, apart from reliable Brake Systems.

This course aims at providing the necessary basic understandings and appreciation of the relevant concepts and technologies to those involved in designing and implementing the Chassis Systems, particularly the Steering System, to satisfy the handling requirements , unique to India.

In addition, the course will also provide a preview of the future technologies in these areas, to be taken into account, for planning future vehicles & systems. Comfort & fun of driving as other elements for good Handling

Benefits of attending the Course

The participants (Engineering students) would be in a better position to make relevant / appropriate choices, knowing the requirements to be met in respect of Vehicle Handling and Steering Systems.

Learning Objective

To provide a good grounding in the fundamentals of Steering Systems & Vehicle Handling, in addition to enhancing awareness of the various concepts and technologies available as well as the future trends in these areas.

Course prerequisites

Automobile Engineering / Mechanical Engineering + Auto elective, 2nd year or higher, Good understanding in Mechanics, especially dynamics.

Who should attend?

Engineering Student (Mechanical & Automotive and allied branch), Student Engineers involved in Chassis Engineering, analysis, Validation in the areas of Suspension, Steering, Vehicle Dynamics & Engineering Research students.

Course Date& Time

Steering Systems & Vehicle Handling	3 rd & 4 th November 2017
Timings: 9:00 a.m. to 12.00 p.m. & 1.00 p.m. to 5:00 p.m.	

Facilities provided during the course

- Participation Certificate from SAE India Southern Section
- Course materials
- Delegate Kits
- Networking Working Lunch
- Networking Tea/Snacks

Fee Structure (Two days)

Student Members	RS. 1500/-	Last date for Registration is 2 nd November 2017
Registration fee for two days		

Pay course fee through DD/Cheque or Transfer to our account:

Name of the Account : SAEINDIA Southern Section Student Convention
Account No. : 32506106802 (Saving account)
Bank Name : State Bank of India
Branch Name : Kottur, Chennai
IFSC Code : SBIN0001669

Enrolment Procedure

Use below link for Registration

- Online Registration Link: http://onlineregistration.saeiss.org/event_register.php

Subject Expert

Mr. S. Radhakrishnan, M.Tech.

Retired Vice-President (R&D) from Rane TRW Steering Systems Ltd, Chennai. Right through his career as Steering specialist, spanning **37 years**, he has worked in various capacities in different automotive companies in India, i.e., Tata Motors (formerly TELCO)-R&D Pune, XLO (India) Nasik, Rane(Madras) Chennai and lastly Rane TRW Steering Systems Chennai. Had played a key role in bringing & popularizing Power Steering Systems on Indian vehicles. For this role he has been recognized by “Who’s Who in Science & Engineering- 2008-09” Was involved in developing no of indigenous Steering (Manual & Hydraulic Power) Systems to replace imported ones on no of indigenous & MNC vehicles. His current interest is in developing concepts for energy efficient Steering Systems with enhanced safety & improved NVH and Handling performance.

About SAEINDIA Southern Section

SAEINDIA Southern Section is a premier society that serves the cause of mobility engineering. It is a unique society that includes professional engineers who serve different OEMs and Suppliers, academia as well as budding engineers (students) who aspire to be part of the professionally attractive field of mobility engineers. We believe that Mobility Engineering is a knowledge rich field and that learning and sharing can be fun and rewarding. To this end, SAEISS organizes several events throughout the year, runs programs that enrich and engage and conducts lectures and symposia. It is a part of SAEINDIA.

SAEINDIA is a Premier Professional society that serves the Mobility Engineering Community engaged in the design, manufacture and service of self-propelled vehicles and systems that move in land, sea, air and space. It is an affiliate society of SAE International which is head quartered in USA and has a glorious record of over 100 years of service to the mobility community. **SAEINDIA** works closely with other fraternal societies such as **Society of Indian Automobile Manufacturers (SIAM)**, **Automotive Component Manufacturers of India (ACMA)** and **American Society of Engineers of Indian Origin (ASEI)** for spreading knowledge and relevant information to a wider cross section of the Indian community. It is also a member of **International Federation of Automotive Engineering Societies (FISITA)**.

Further please contact:

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SAEINDIA Southern Section

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SAEINDIA
SOUTHERN SECTION

SAEINDIA Southern Section Previous SKIP Event success story

S.No	Date	venue	Topic	Speakers
1	17 th and 18 th October 2014	SAEINDIA Southern Section	Application of Finite Element Analysis (Automotive parts & System)	Dr. V. Ramamurti, FNA, FNAE, FASc, Consultant
2	26 th and 27 th September 2014	ANNA University	Steering System & Vehicle Handling	Shri. S. Radhakrishnan M.Tech (Retired Vice – President (R&D) from Rane
3	23 rd and 24 th January 2015	Sri Krishna College of Engineering and Technology, coimbatore	Steering System & Vehicle Handling	Shri. K. RadhaKrishnan, Retired Vice – President , RANE
4	13 th and 14 th February 2015	SSM Institute of Engineering & Technology, Dindigul	Application of Finite Element Analysis	Dr. V. Ramamurti, FNA, FNAE, FASc, Consultant
5	7 th and 8 th March 2015	ANNA university	Automotive Chassis Components & Systems	Mr. M. Rajesh, HOD/ Auto, Karpaga Vinayaga College of Engineering and Technology
6	21 st and 22 nd March 2015	Karpagam College of Engineering, Coimbatore	Vehicle Design Data Characteristics	Dr. E. Rajasekar M.E., Ph.D., Professor, Faculty of Automobile Engineering, IRTT, Erode.
7	24 th and 25 th July 2015	SAEINDIA Southern Section	Automotive Engines	Dr. M. Senthil Kumar, Asst. Professor, MIT. & Mr. V.P Ranganathan, DGM, Simpsons, Chennai.
8	5 th and 6 th September 2015	SAEINDIA Southern Section	Automotive Design	Shri. Tamilanbu Murthi, Founder Industrial Design Academy, Design Trainer, & Shri. Rubesh Dhananjayan, Founder Industrial Design Academy, Design Trainer
9	10 th and 11 th September 2015	Jeppiaar Engineering College, Chennai	Steering System & Vehicle Handling	Shri. K. RadhaKrishnan, Retired Vice – President, RANE, Chennai.
10	16 th and 17 th October 2015	SAEINDIA Southern Section	Automotive Transmission	Shri. R. Venugopal, Scientist, DRDO, CVRD.
11	19th and 20th February 2016	SAEINDIA Southern Section	Challenges and Issues on Fuel cell technology- Potential, Advanced power source	Dr. P. Karthikeyan, PSG College of technology, Coimbatore.
12	26 th and 27 th March 2016	ANNA University	Vehicle Body Engineering	Mr. C. Coomarasamy, Formerly Professor, Bharath University
13	2nd and 3rd July 2016	SAEINDIA Southern Section	Welding Technology for BAJA & SUPRA vehicles	Dr. D.Muruganandam, Sri Sairam Engineering College & Mr. Sasi Anand Parthasarthy Fronius India Pvt Ltd, Chennai.
14	19 th and 20 th August 2016	SAEINDIA Southern Section	Automotive Transmission	Shri. R. Venugopal, Scientist, DRDO, CVRD.
15	10 th & 11 th September 2016	SAEINDIA Southern Section	Off Highway and Special Types of Vehicles	Dr. E. Rajasekar M.E., Ph.D., Professor, Faculty of Automobile Engineering, IRTT, Erode.

16	23rd & 24th September 2016	SAEINDIA Southern Section	Steering System and Vehicle Handling	Shri. K. RadhaKrishnan, Retired Vice – President , RANE,Chennai.
17	4th & 5th February 2017	SAEINDIA Southern Section	Automotive Engines	Dr. M. Senthil Kumar, Associate Professor in the Department of Automobile Engineering, MIT,Chennai.
18	18th & 19th February 2017	SAEINDIA Southern Section	Finite Element Analysis	Dr. S. Shankar, Professor, Kongu Engineering College, Erode.
19	18th & 19th March 2017	SAEINDIA Southern Section	Automotive Engines & Alternative Fuels	Dr. E. Rajasekar M.E., Ph.D., Professor, Faculty of Automobile Engineering, IRTT, Erode.
20	06th & 07th July 2017	JEPPIAAR INSTITUTE OF TECHNOLOGY	Latest Advancements in Welding Technology for Automotive	Dr. D. Muruganandam, Head, Department of Mechanical, Jeppiaar Institute of Technology, Mr. SasiAnand Parthasarathy, Fronius India Pvt Ltd, Chennai.
21	19th & 20th August 2017	SAEINDIA Southern Section	Off Highway and Special Types of Vehicles	Dr. E. Rajasekar M.E., Ph.D., Professor, Faculty of Automobile Engineering, IRTT, Erode.
22	9th & 10th September 2017	SAEINDIA Southern Section	Computational Fluid Dynamics (CFD) using OpenFOAM	Dr. S. SENTHIL KUMAR, Associate Professor, Veltech Dr. RR & Dr.SR University, Chennai Dr.B. T. KANNAN, Independent Trainer/Consultant
23	23rd & 24th September 2017	SAEINDIA Southern Section	Automotive Transmission	Shri. R. Venugopal, Scientist, DRDO, CVRD

Host Institutions



Resources Persons from Industries & Colleges



Expanding Horizons

