SAEINDIA The Engineering Society For Advancing Mobility Land Sea Air and Space

NEWS LETTER
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This issue

Upcoming Major Events

Jul 2015
SUPRA SAEINDIA 2015
Chennai

Jul 2015
SAE International President visit

Jul 2015
BAJA SAEINDIA 2016 virtual

Aug 2015
ITEC INDIA 2015
Chennai

Feb 2016
SAEINDIA International Mobility Conference - SIIMCE 2016
New Delhi

ITEC INDIA - 2015

Society of Automotive Engineers SAEINDIA and Institute of Electrical and Electronics Engineers' (IEEE) Industry Applications Society today announced the first International Transportation Electrification Conference (ITEC) INDIA 2015, to be held at Le Royal Meridien, Chennai from August 27 to 29, 2015. In alignment with the Government of India's National Electric Mobility Mission Plan (NEMMP) 2020, ITEC INDIA 2015 will provide a platform for knowledge sharing and networking to facilitate India's transition from conventional to electrified vehicles.

The conference will focus on the theme "Electrified Mobility through Holistic Ecosystem Solutions". It will deal with the component systems, standards and grid interface technologies related to efficient power conversion for all types of electrified transportation, including electric vehicles, hybrid electric vehicles and plug-in hybrid electric vehicles as well as heavy-duty trucks and off-road vehicles. ITEC INDIA 2015 will bring together industry experts, business leaders, technologists, academia and policy makers for keynotes, special presentations, panel discussions and technical sessions. The event will also include an exhibition, technical paper presentations from students and the industry, ride and drive events and road show of hybrid and electric vehicles.

Speaking at the kick-off event, Dr. Aravind Bharadwaj, General Chair, Steering Committee ITEC INDIA and President, SAEINDIA said, "The Government of India has set the challenging goal of achieving 6-7 million sales of hybrid and electric vehicles year on year from 2020 onwards. While monetary incentives and investments are important to realize this ambition, technology innovation and advancements are even more crucial at this stage to shape the growth trajectory of electro mobility adoption in the country."

Shri. Ambuj Sharma, Patron of the Steering Committee for ITEC INDIA 2015 said, "The Government of India has formulated the FAME-India (Faster Adoption and Manufacturing of Hybrid & Electric Vehicles) scheme and allocated Rs. 795 crores for the years 2015 - 2017. This scheme will focus on four areas - Technology Development, Demand Creation, Pilot Projects and Charging Infrastructure."

Cont... in page: 03

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SAEINDIA SAE INTERNATIONAL SAEINDIA Aerospace

MAKE IN INDIA

As India is moving to transform itself from a regional power to a global power, the aerospace and defence sector is increasingly becoming critical in the country's long term strategic planning. India has evolved as the most lucrative aerospace & defence market globally with a mega acquisitions program coupled with the government's proactive stance, a healthy foreign supplier base mix and a vast amount of talent pool covering the entire spectrum of engineering.

Prime Minister Shri. Narendra Modi's Make In India campaign will provide a further impetus to creating vibrant aerospace and defence eco-system in the country.

Themed "Make In India – A Transformational driver", this exclusive event provides an invaluable opportunity for attendees to renew and develop important business relationships within the Indian Aerospace & Defence industry. This event's objective is to unravel the challenges and myths about "Make In India" theme for Indian Aerospace & Defence Industry and lay the roadmap for the future. We are inviting eminent Visionaries, Policy makers and leaders from leading organizations in the country to share the founding principles, their experiences and insights.

Topics to be covered

- Make in India – What it means to Aerospace and Defence Industry?
- Aerospace and Defence policy perspective from the Government of India
- Aerospace & Defence Strategy from Policy makers
- Success stories in Space – Chandrayaan, Mass Orbiter Mission
- Current Challenges & Opportunities
- Meeting challenges of Technology Innovation, Engineering, Manufacturing, Quality & Certification
- Needs of skills and resources mobilization and upgradation

For more http://saeindia.org/content/make-india-aerospace-engineers

SAEINDIA

ITEC INDIA 2015

"We expect between 6 and 7 million vehicles on Indian roads by 2020, resulting in ultimate savings of Rs. 60,000 crores in consumption of fossil fuels. Further, the Government is committed to ensuring there are no resource constraints in making this possible," he added.

Mr. N Balasubramanian, General Chair, Organizing Committee ITEC INDIA said, "Individual mobility of the future will be greener, intelligent and partnership oriented. India has opportunities both as a manufacturer as well as an early adopter of hybrid and electric technology. ITEC INDIA 2015 is being organized to encourage sharing of knowledge, best practices and case studies, both technological and organizational, to propel India's fledgling electro mobility industry."

Focus topics for ITEC INDIA 2015 include but are not limited to Power Electronics and Electric Motor Drives, Electric Machines, Sensors and Actuators, Battery and Battery Management Systems, Hybrid Electric, Plug-in Hybrid Electric Vehicle System Architectures, Smart Grid, Electrical Infrastructure, Charging and Charging Infrastructure, Autonomous Vehicles, V2V Communication and ICT, Electrification of Heavy-Duty and Off-Road Vehicles, Fuel Cells and Applications in Transportation, Electrical Systems and Components for Sea, Undersea, Air, Rail and Space Vehicles.

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SUPRA SAEINDIA 2015

SUPRA SAEINDIA 2015 is the 4th edition of an excitingly designed competition conceived to inculcate and harness talent, hone the skills of engineering students from all over India. Students from various Engineering colleges across India form teams to create a virtual design then building a prototype and finally testing their own formula type race car. The project fuels the exuberance of the youth by providing teams a platform to test their mettle, giving them a pragmatic exposure to real world challenges as faced in the industry. The goal of the competition is to provide the aspiring engineers a unique platform for entry level hands-on automotive design and manufacturing experience. Apart from engineering and design skills, the competition also assesses their capability for team-work, entrepreneurship and management skills with a real life industry work environment.

The event has three stages over a period of one year. The first stage is a Virtual Design Round which is an eliminating round and the second stage comprise series of training programs on Design Software, Manufacturing techniques, Sourcing, costing and driving to the students, enabling them to manufacture their cars. The teams which are successful in manufacturing their cars as per specifications will be eligible for the final event. The SUPRA SAEINDIA 2015 event will take place from 16th to 19th July 2015 at Madras Motor Racing Track (MMRT) Chennai.

According to Mr. Prashant K Banerjee, Convener, SUPRA SAEINDIA 2015 & Head Homologation and Product Evaluation, Tata Motors Limited "The 4 day event at MMRT will have renowned industry experts analyzing the engineering design reports, marketing presentation, cost analysis, acceleration, fuel economy, skid pad and endurance test of the offered vehicles by the participating teams. The challenge to the engineering student is to constantly innovate and bring about changes for reduction in weight, fuel economy and increased efficiency in transmission. The students are guided and mentored by industry professionals and faculty advisers who are imparted training and guidance by technical experts of SAEINDIA .The event will be judged by a panel of eminent experts from the FMSCI (Federation of Motor Sports Club in India) and the experts from automotive industry. The students were given one year's time to prepare their prototype and we have 104 teams from various colleges across India participating in the competition."

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Mr. Sirish Vissa, Technical Committee Chair SUPRA SAEINDIA 2015 & Head Volkswagen Motorsports India Stated that, "In this process, students learn to develop a design, understand the process of new product development, industrial procurement, manufacturing, assembly and prototyping. The selected prototypes are then tested in standard test conditions to measure parameters like maneuverability, technological innovation, endurance, fuel economy, performance and stability. The objective of this event is to bring out the latent talent of students so that it fulfills the MAKE IN INDIA policy under Automotive Mission Plan (AMP 2016) and create an International Automotive Hub in India."

Mrs. Rashmi Urdhwareshe, Chairperson SAEINDIA Western Section & Director ARAI, said, "Participants in the competition will need to drive their own cars, which they have conceived, designed and fabricated. The specifications of the car frame and engine are restricted so that the imagination, creativity and knowledge of the students are challenged. Students realize their talent though such an experience, making them proven candidates for the future as technocrats, entrepreneurs, designers, innovators and leaders."

M/S Maruti Suzuki India Limited is sponsoring this event for the 4th Time as theTitle Sponsor. Other sponsors include Continental Automotive, Bharat Petroleum Corporation Ltd., BOSCH, ALTAIR, ANSYS, ARAI, Viper Hobbies, Canara Bank, Automotive Test Systems, and Roots and Many More.

SAEINDIA- *The Society of Automotive Engineers, India,* is a professional engineering society of Automotive Engineers, whose vision is to continuously enrich the knowledge base of practitioners in the mobility industry and institutions in the service of humanity. It is an affiliate of the SAE International based in U.S.A.

SAE International is a global association of more than 138,000 engineers and related technical experts in the Aerospace, Automotive and Commercial-Vehicle Industries from over 117 countries in the world.
SAE's primary objectives are life-long learning and voluntary consensus standards development.

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Global Manufacturing Cluster Vision 2020

The 7th Edition of "Global Manufacturing Cluster Vision 2020" — "GMCV 2020" was held on the 5th of June 2015 @ 5.00 P.M. at The Residency, Coimbatore, India with the theme "INNOVATION". Innovation plays a Vital Role for Growth & Sustainability of any Manufacturing company, GMCV 2020 conference will feature this in its 7th Edition.

Dr.Aravind S. Bharadwaj, president of SAEINDIA was the Chief Guest of GMCV conclave. This One day Conference was organized by Texas Ventures, Coimbatore District Small Industries Association (CODISSIA) and Supported by SAEINDIA besides other associations to deliberate upon the Challenges in Manufacturing Industry and lay the Road map for the future.

Dr.Aravind S. Bharadwaj, president of SAEINDIA and Senior Vice-president of Advanced technology and services (Automotive and Farm Equipment Sectors), Mahindra and Mahindra, Chennai who is the Chief Guest of this 7th Edition of GMCV 2020 said that, Micro, Small and Medium Enterprises (MSMEs) need to register new ideas of products or manufacturing processes and look at developing these to generate revenue during his speech on "Gearing up for the knowledge economy".

He also said that It is extremely critical for industries to focus on capability building and making technologies accessible to all rather It helps the units to gain competitive advantage. India is migrating to an advantage that will come only through knowledge. Over the last decade, we are seeing a transition to development of products that are made in India for Indian market. Customers need more features, specifications and technology at affordable price and companies have been able to provide it.

He stated that in the automobile sector, our country is today a global manufacturing hub for the small cars segment. Life cycle of several products, including automobiles, is reducing as customers want new products and industries need to deliver to meet this expectation. He added that they needed to upscale skills of the employees and has a well defined structure for the process of manufacturing meeting global standards.

GMCV 2020 Conclave Highlights:

- 250 CEO's as Delegates from Manufacturing Industries forming a Powerful Forum.
- A forum with International Content and talks from Eminent Personalities from the Manufacturing Industry.
- One to One Interaction with Industry Heads.

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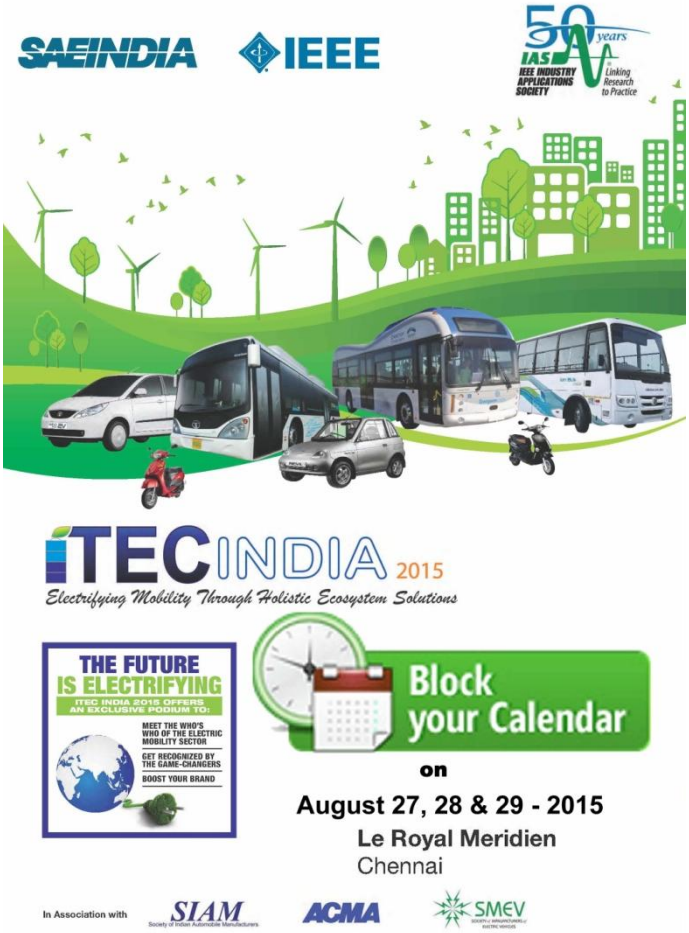
The Increasingly Competitive Nature of the 21st Century Economy is forcing Manufacturers to pursue more growth opportunities to survive. One such opportunity is International Markets. This conference also showcased a clear methodology to identify the emerging opportunities for Indian Manufacturers globally.

This conference has created a forum to deliberate, orient and enable Indian Manufacturing Leaders in Understanding the Fundamental Challenges that must be met to tide over the current economic challenges.



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SAEINDIA SECTION NEWS

BANGALORE SECTION

SAEINDIA Bangalore section became the first SAE Section in the country to organize an event for its Professional & student members known to be **MEMBERS DAY 2015.** Over 450 members witnessed the event and was applauded by every member for being well organized.

The event was hosted by PES UNIVERSITY and members were officially welcomed by the institute. The dignitaries present are Dr. K N Balasubramanya Murthy, Vice Chancellor, PESU, Dr. K S Sridhar- Principal, PESIT, Mr. Damodaran subramaniam - Event Convener, Mr. Kp Murthy co-convener, Mr. Munirathnam Javaji –Vice chair SAEINDIA, BS. Followed by speakers Mr. Dilip Chahabria - DC Designs, Mr. Raghav Gulur - Continental & Dr.Rao chalsani – Chairman SAINDIA, BS.

Mr. Dilip Chhabria chairman & Managing director of DC-Designs spoke on his new super car **AVANTI** followed by its technical specification saying that it has "Good design is always a great business" which is the first Indian super car for the market. He was followed by **Mr. Raghav Gulur,** Head of technical centre, **Continental India** spoke about Autonomous driving vehicle which would be the future of all 4 & 8 wheelers mainly to focus on reducing the stress factors on the drivers to have more pleasurable driving experience .

One more key speaker **Dr. Rao Chalasani,** Chairman SAEINDIA, Bangalore section spoke on electric mobility mission plan for India, which would be the next alternative energy source to the petroleum fuels. These fuels would play a significant role on clean & green energy for the country's economic growth in the coming days.

NORTHERN SECTION

Inaugural Function of SAE Collegiate Club at IMS Engineering College, Ghaziabad

SAEINDIA collegiate club has been formed at IMS Engineering college comprising Engineering students of the college. An inaugural function was held along with Presentation on SAE student activities and a Guest lecture on "Vehicle Acoustics" on 2nd April'15.

The inaugural function was graced by the presence of Mr. Sameer Srivastava, Mr. Prashant Kumar from Interior trims and NVH systems department of Maruti Suzuki India Ltd. along with Prof.(Dr.) S P Pandey, Director of IMS Engineering College with other faculty members of Mechanical Engineering Department of the College.

Prof (Dr.)S P Pandey, Director, IMSEC emphasized on cheaper, reliable solution for human mobility. He additionally briefed about the undergoing project on the renewable energy generation and optimization with DMRC and his team. He added that the vehicle mobility for masses should also be done by renewable energy sources. He encouraged his students for working on such solutions.

SAEINDIA SECTION NEWS

The inaugural ceremony was followed by SAE Student activity Workshop and Guest Lecture on Vehicle Acoustic

Mr. Sameer Srivastava briefed about SAE, Organizational structure, Student activities of SAE. He encouraged students to understand the significance of automobiles in our life. How detailed the functionality of SAE along with opportunity for students. He enlightened students about SAE Student activities. His focus was to intensify the passion of automobile among students. He encouraged students to participate in SAE events. A Guest lecture on Vehicle Acoustic was delivered by Prashant Kumar. He facilitated students regarding significance of silent cabin of vehicles. Students were acknowledged vis-à-vis Noise, Vibration and harshness in the cabin and effects of these on passengers. He explained the parameters deciding Silent Cabins and how automobile industries design it.

Durability Engineering - Road load data acquisition and computer-aided engineering within vehicle development

SAENIS in association with M/s *SIEMENS* had successfully organized a TOPTECH program on the topic "Durability Engineering - Road load data acquisition and computer-aided engineering within vehicle development" on 3rd April 2015 at The Westin, Gurgaon.
The program commenced with a brief overview of importance of durability engineering in automotive industry.

The seminar was attended by around thirty people from various automotive background. Top Tech is a highly technical event with emphasis on advance engineering concepts, practical case studies and its application to automotive industry. The seminar covers durability engineering process, best practices for road load data acquisition and computer-aided engineering (CAE) to predict and optimize product durability and fatigue life. This seminar provides insights in how to design against fatigue, how to capture customer usage and how to set realistic targets and test procedures within the vehicle development. Best practices are shared by real application examples in automotive industry.

Dominiek Coppens ,the Senior Product Line Manager working at Siemens Industry Software in Leuven, Belgium is the speaker of the seminar. The diligent speaker holds product line responsibility for the LMS' durability testing solutions offer.

Dominiek started his career at LMS International in 1995 as a software development engineer developing solutions for durability structural testing (time waveform replication).

Over the many years he has built up durability application experience both in physical prototype testing as well as in virtual simulation. Dominiek Coppens holds a master degree in mechatronics engineering from the University of Ghent Belgium and a master degree in aeronautical engineering from Stanford University, US.

"Fuels, Lubricants, Emissions and After-treatment Devices - The Road Ahead"

SAE India northern section organized a 2 days symposium on Fuel emissions and after treatment devices at India habitat center, New Delhi from 24th - 25th of April. Total 7 technical sessions were held and 29 presentations were made which was then followed by a panel discussion. More than 200 delegates attended the program.

SAEINDIA SECTION NEWS

The program began with enlightening welcome notes by Mr. Ambuj Sharma– Addl Secretary DHI, MoHI & PE, Dr. R.K. Malhotra – Senior VP SAE India & Mr. I.V. Rao, Executive Advisor, MSIL who drew the participants' attention towards the current Indian auto industry and stressed on gradual improvement in vehicular emission in steps BS4-BS5-BS6. They also talked about automotive mission to align Indian regulations with regulations of other developed markets and the proposal of formulation of a working group for long-term emission policy under MoHI.

First technical session was focused on Fuel efficiency norms and the speakers were Dr. Ajay Mathur (BEE), Mr. P Panda (MSIL), Mr. Harjeet Singh (Hero Moto Corp) and Mr. Sumant Kumar (PCRA) who shared their valuable knowledge. The main aspect of the session was the declaration of Fuel efficiency regulation for passenger cars, Benefits from Evolutionary Technologies and Emissions, FE regulations & Automotive mission policy's necessity of synchronization.

This was followed by the next technical session on emission roadmap which was taken cared by Mr. Bernhard Enzi (AVL), Dr. Lengsfeld Sven (Bosch India), Mr. R. Velusamy (M&M), Mr. P.K. Banerjee (TML) and Mr. M.N. Muralikrishna (TVS).

They stressed on the need of adequate development & validation time and proper fuel quality in the market to test technologies such as DPF & SCR and Adequate I&M infrastructure to ensure that only good performing vehicles are allowed on road.

Third technical session was on Future Emission and FE regulations and the eminent speakers were Mr.Anoop Bhat MSIL, Mr. Harald Kurz Horiba, Mr. Lee Jeffcoat Ricardo, Mr. Anil Kharche Schaeffler and Mr. Bernhard Mencher Bosch Germany. The session focused on how the worldwide regulation on emissions & fuel consumption will be a major driver for innovations in power-train systems and vehicle design and how regulations will reflect the actual road conditions as far as possible.

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A panel discussion was followed. The panel consisted of Mr. Vishnu Mathur, Director General, SIAM, Mr. I.V. Rao, Executive Advisor, MSIL, Mr. Rakesh Batra, ENY's automotive sector leader, India, Dr. M.O. Garg, Director General, CSIR, Mr. A.K. Jain,Advisor Energy, NITI Aayog, GOI and Dr. Leena Srivastava, Executive Director, TERI. The discussion focused on the need of a collaborative framework between Industry & Policy makers and regular dialogue between stakeholders. They also discussed on the development of infrastructure and traffic management.

The last 3 sessions were on automotive lubricants, transport fuels and after treatment devices. It discussed the necessity of lubricant compatibility for efficient working of after treatment devices, need of consistent fuel quality nationwide and key role of engine technology and calibrations in the selection of ECS and ATDs.

SAEINDIA SECTION NEWS
SOUTHERN SECTION

Gear Design & Analysis

A Seminar on Gear Design & Analysis was organized by SAENIS in association with KISSsoft AG, Switzerland, and Kadkraft systems India on 28th May 2015. The session was delivered by Mr. Hanspeter Dinner, Managing Director, KISSsoft AG. The session aimed at imparting knowledge about gear design aspects and improvement in usage and skill level on KissSoft Solution for Gear geometry design & optimization.

Mr. Dinner, an expert in Gear and bearing design and analysis, explained about the Cylindrical gears geometry, its rating, optimization, CAD integration & gear life time by defining your own duty cycles. He also discussed about the Tooth contact analysis and its effect on efficiency, the possible power losses, transmission error & face load factor. He also emphasized upon the Shafts & bearing calculations, Enhanced bearings calculations & its selection System level modelling and its new features for complete gearbox.

Two Day Toptech Program - Steering System And Vehicle Handing

SAEINDIA SS (SAEISS) successfully conducted the 2 days TOPTECH Program on 27th & 28th March 2015 on the topic **"STEERING SYSTEM AND VEHICLE HANDING"** by Mr. Mr. S. Radhakrishnan at Radha Regent Hotel, Chennai.

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 program aims at providing the necessary basic understandings and appreciation of the relevant concepts & technologies to those Managers & Engineers involved in designing and implementing the Chassis Systems, particularly the Steering System, to satisfy the handling requirements , unique to India. In addition, this will also provide a preview of the future technologies in these areas, to be taken into account, for planning future vehicles & systems.

Student Executive Council (SEC) – Workshop

SAEINDIA SS (SAEISS) successfully conducted One day **Student Executive Council – SEC** Workshop on 29th March 2015 at SAEISS Office, Chennai.

Dr. D. Muruganandam Student Convention Champion/ SAEISS MC Member inaugurated the workshop & briefed about the importance & purpose of SEC Workshop. Mr. V. Swaminathan from PARADIGM learning solution gave leadership skill training to SEC members. Mr. S. Shanmugam Secretary SAEISS presided the SEC workshop.

The workshop is focused on training the SEC Members of SAEINDIA Southern Section (SAEISS) to make them leaders so they can take the leadership of conducting more events on Student Convention.

SAEINDIA SECTION NEWS

SAEISS TREK - 04TH & 05TH APRIL 2015

SAEINDIA SS (SAEISS) successfully conducted the 2 days Student TREK program on 04th & 05th of April 2015 at Kalasalingam University, Virudhunagar.

Dr. M Uthayakumar, KLU welcomed the gathering and inaugurated the program. Mr. S. Selvamani felicitated the program.

After the Inauguration, the Program is conducted in two sessions. In Session 1 the Engineering Design process was started by Mr. T. Kasiraja and Mr. B. Kumaran and Videos were presented to the participants to have a better understanding.

In session 2 the participants were taken for TREK to SHENBAGATHOPPU HILLS & KATTALAGAR TEMPLE as per the schedule.

KRT TREK - 04TH & 05TH APRIL 2015

SAEINDIA SS (SAEISS) successfully conducted the 2 days KRT (Knowledge Round Table) TREK program on 04th & 05th of April 2015 at Kalasalingam University, Virudhunagar. Dr. M Uthayakumar, KLU welcomed the gathering and inaugurated the program.

After the Inauguration, the Program is conducted in two sessions. In Session 1 group discussion among KRT members along with Mr. S. Selvamani & Mr. S. Shanmugam of SAEISS and the following points discussed viz,

Each KRT participant (Faculty and Regular Members) has to

- Lead and conduct the Toptech programs & Involve in ENE program (deliver lectures).
- Develop networking.
- Launch of KRT in different zones (Chennai, Mahindra City, Coimbatore, Madurai, Kerala, and Hyderabad).
- Develop Activities & Program in their respective zones.

And also the common points are also discussed viz,

- Developing Industry Institute Interaction – Sharing of experience and knowledge.
- A group of 10 SAE Faculty Advisor working in an institute should form an Academic **KRT**.
- Value added courses (soft skills to suit the needs of the industry) to be included in **SKIP**.

LECTURE MEETING - DEVELOPMENT AND NEED OF LOW COST AIRPORTS

SAEINDIA SS (SAEISS) successfully conducted the lecture meeting on 18th April 2015 on the topic DEVELOPMENT AND NEED OF LOW COST AIRPORTS by Mr. A. Shanmugam / Director of Airworthiness, Directorate General of Civil Aviation (DGCA), Southern Region, Chennai at Madras Ashoka Hotel, Egmore, Chennai.

Mr. Yogesh Nagendiran / Champion of Young Engineering and KRT TREK, Introduced the Speaker Mr. A. Shanmugam to the participants and the lecture is composed of wonderful speech by the Speaker on Aero Craft and Development of Low Cost Airports.

At the end of the session the speaker is appreciated by presenting a memento by the Governing council of SAEISS along with Champion of Young Engineering & KRT TREK.

Two Day Toptech Program - Reverse Engineering Technology For Domain Knowledge Building

SAEINDIA SS (SAEISS) successfully conducted the 2 days TOPTECH Program on 22ND & 23RD May 2015 on the topic **"REVERSE ENGINEERING**

SAEINDIA SECTION NEWS

TECHNOLOGY FOR DOMAIN KNOWLEDGE BUILDING" by Shri. S. Shanmugam / Managing Director Design Desk (India) Pvt. Ltd at Radha Regent Hotel, Chennai.

Reverse engineering is the process of discovering the technological principles of a device, object, or system through analysis of its structure, function, and operation. Reverse engineering is widely practiced in the industry today. Companies routinely analyse competitors' products to gather information about specifications.

In a competitive market introducing new products with better features and at a faster pace is critical for any manufacturer. There are many applications for Reverse engineering. This program focused on the application of reverse engineering technology for domain knowledge building.

Lecture Meeting :- Engine Valve Train Design & Development With Introduction To Timing Drives

SAEINDIA SS (SAEISS) successfully conducted the lecture meeting on 30th May 2015 on the topic ENGINE VALVE TRAIN DESIGN & DEVELOPMENT WITH INTRODUCTION TO TIMING DRIVES by Mr. Balasubramani Krishnamurthi / Mr. Prasanth Balasubramanian, Hinduja Tech, Chennai at HABLIS HOTELS, Chennai.

Dr. Arunkumar M. Sampath / Past Chairman of SAEISS Introduced the Speakers to the participants and the lecture is composed of wonderful speech by the Speakers on the topic. Mr. Meenakshi Sundaram voluntarily explained the queries of participants along with the Expert Speakers.

At the end of the session the speaker is appreciated by presenting a memento by Dr. Arunkumar M. Sampath / Past Chairman of SAEISS and Mr. N. Balasubramanian Chairman of SAEISS. Vote of thanks by Mr. T.R. Sathyanarayanan, Treasurer SAEISS.

SEC (Student Executive Council) Workshop

SAEINDIA SS (SAEISS) successfully conducted One day **Student Executive Council – SEC** Workshop on 28th June 2015 at SAEISS Office, Chennai.

Mr. S. Shanmugam Secretary SAEISS inaugurated the workshop & briefed about the importance & purpose of SEC Workshop. Mr. V. Swaminathan from PARADIGM learning solution gave leadership skill training to SEC members. Dr. D. Muruganandam Student Convention Champion/ SAEISS MC Member presided the SEC workshop.

The workshop is focused on training the SEC Members of SAEINDIA Southern Section (SAEISS) to make them leaders so they can take the leadership of conducting more events on Student Convention.

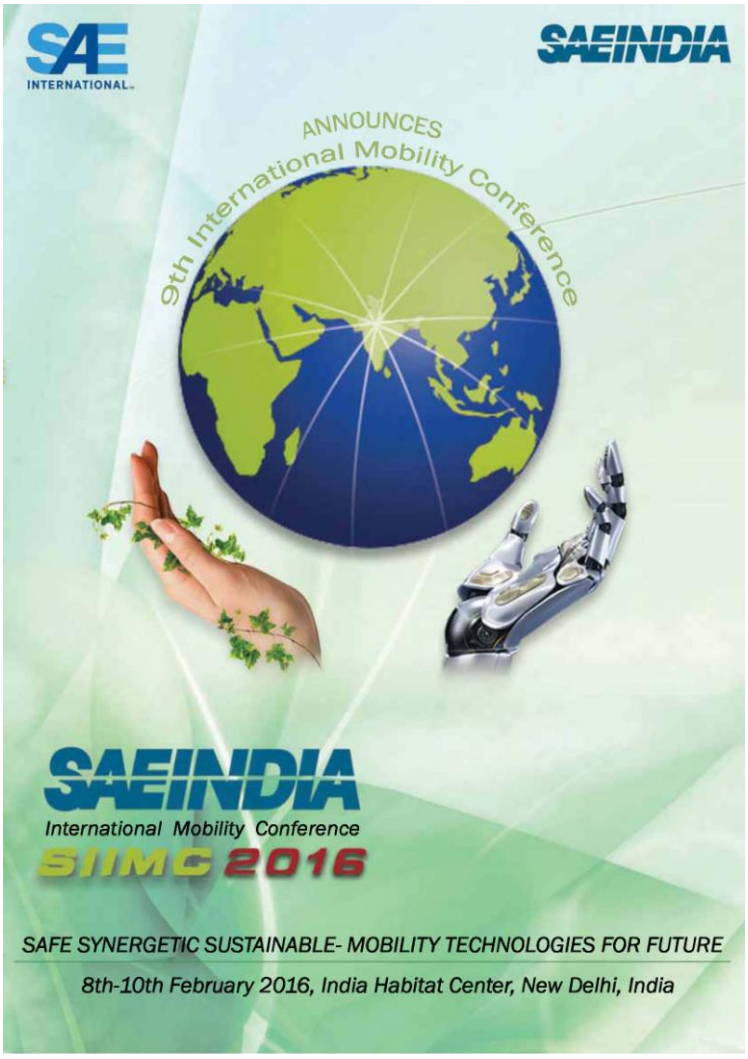
Lecture Meeting :- Global Mro Trends

SAEINDIA SS (SAEISS) successfully conducted the lecture meeting on 20th June 2015 on the topic **GLOBAL MRO TRENDS** by Mr. Kevin Carty, Director, International Business Development, National Aviation Institute Shannon Airport, Ireland, at AADITHYA HOTEL, CHENNAI.

SAEINDIA SECTION NEWS

Mr. N. Balasubramanian, Chairman of SAEISS Introduced the Speakers to the participants and the lecture is composed of wonderful speech by the Speakers on the topic.

At the end of the session the speaker is honored by presenting a memento by Mr. N. Balasubramanian, Chairman of SAEISS along with him Mr. S. Selvamani, is also present. Vote of thanks by Mr. T.R. Sathyanarayanan, Treasurer SAEISS.



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