I am happy to reach out to SAENIS fraternity through “Sampark”.

The key tenets of SAE India, to enhance the knowledge-base of mobility practitioners across India besides grooming the student talent pool which will be the foundation of the mobility industry in the future. To fulfill these objectives, SAE NIS has adopted a multi-pronged approach.

SAENIS had organized the SAE India International Mobility Conference three times since 2000 with resounding success. We will be having the next edition of the conference in January 2012. We need to work actively to make it a success.

We have also taken a target of organizing at least one technical seminar/lecture per month which not only serves as a mode of knowledge-upgradation for the participants, but also as a forum for fruitful and enriching discussions among the participants from industry and academia alike. Since Aug’ 10 we have done 13 seminars with an average participation of approximately 75 participants per seminar. The seminars have covered diverse & varied topics like CAE & Testing, OEM-Supplier collaboration, Digital Engineering, Manufacturing Technology, Materials sciences, Coating Technologies, Lube & Fuels, Emissions & Engine Technology, etc. Thanks to all the companies who have supported our cause by sharing their knowledge and expertise at such seminars.

Furthermore, SAE NIS would be looking for opportunities to augment the knowledge of engineering students through technical sessions and seminars.

We, at SAE NIS, will continuously strive to bring increasing value to our members.

C.V.Raman
CGM, R&D, Maruti Suzuki India Ltd.
Co-Chairman, Technical Board, SAE NIS

SAE World Congress 2011

The theme of World Congress 2011 “Charging Forward Together” symbolizes the dynamic progress in the automotive industry, new advanced propulsion technology and importance of collaborative partnerships.

SAE AWIM Jet Toy Olympics

The 7th Jet Toy competition saw the participation of more than 500 students, teachers and volunteers.

SAE SUPRA, Inspectors’ Training

Gearing up with the SAE Supra event to be held from 1st-3rd July 2011, Inspector’s Training was held to highlight the role and key responsibilities of a Technical Inspector.

Idle Start-Stop System

A technology that can seamlessly switch your engine on and off depending on how your vehicle is operating, substantially reducing fuel consumption and air pollution from idling vehicles.

Upcoming events...

- Improving Productivity in Automotive Product Development, May 25th, Gurgaon

Hurry !!!!!!!

- Last date of submission of the abstracts for SIIMC is 15th may 2011, to submit the abstract log on to www.siimc2012.org
idle start-stop system

With the focus on environment and the increasing cost of oil production and consumption these days, people are looking for alternatives to the conventional gasoline engine. To combat the issue of frequently stopping, starting and standing still, is a technology that can seamlessly switch your engine on and off depending on how your vehicle is operating. An idle-stop system, or a start-stop system, is essentially what makes up today’s increasingly popular so-called mild hybrids. Despite the name, mild hybrids aren’t technically hybrid cars. They use internal combustion engine. There is no electric motor in a mild hybrid to move the car, and although there’s a battery, it serves a different purpose than a battery does in a full hybrid. The main purpose of the battery in a mild hybrid is to shut off the gasoline engine when the vehicle is at rest, coasting or slowing down. There are essentially three main parts involved in an idle-stop system: gasoline engine, an electric starter/generator and a battery. The transfer of energy works in that order, both forward and backwards-- it just depends on what state the car is in.

Start-Stop system uses regenerative braking when you want to apply brake when engine is on. The rotational energy from wheels turns the electric generator and creates electricity. The generator sends electricity to the battery where it can be stored for later use. When the driver applies the brakes, however, the generator shuts off the gasoline engine. Pressing the accelerator pedal starts the engine once again by taking the stored energy from the battery and running it through an electric starter.

http://www.hybridcars.com/stop-start-engine

fuel cell olympics was also organized as part of a world in motion

the national champions-wisdom high international school, nashik represented india at this event
The Managing Committee

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MEO (Engineering), MSIL

Senior Vice Chairman
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President – SAEINDIA

Mr S. Maitra
Managing Executive Officer (SC), MSIL
Ex-Chairman, SAENIS

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Let the editors know what you think of this Newsletter

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