

INVITATION

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

SAE India (Northern section) and SIEMENS are pleased to invite you to participate in the Top Tech Program on

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

3rd April 2015, at THE WESTIN GURGAON

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.

For REGISTRATION Contact :

* For SAE membership & Registration, Please contact:
Mr Anup Kacker, Executive Director SAENIS
Email: sae.nis@gmail.com
Ph. No: +91 (124) 4370163, +91-9873188382

* SEATS ARE LIMITED , PLEASE BRING CONFIRMATION MAIL FROM SAE NIS FOR REGISTRATION AT VENUE

Speakers

Mr. Dominiek Coppens



- Sr. Product Line Manager - Durability Solutions
- 20 + Years Experience
- Masters' Degree in mechatronics from University of Ghent, Belgium
- Masters' Degree in Aeronautical Engineering from Stanford University , USA
- Application Expert on Durability engineering - both physical prototype testing and virtual simulation

08:30-09:15 am	Registration & Welcome
09:15 - 10.30 am	Introduction fatigue * Historical milestones & physics of fatigue * Basic concepts: strain, stress, damage & fatigue life * Component fatigue: approaches & concepts
10:30 -10.45 am	Tea Break
10.45 -13:00pm	Load measurements and analysis * Load measurements as data supplier * Data analysis and processing for the CAE simulation CAE simulation for load prediction & fatigue life analysis
13.00-14.00 pm	Lunch
14:00-15:00 PM	Fatigue within the vehicle development * Vehicle development: multi-attribute challenges * Work-flow and process elements * CAE full durability process: from physical test to CAE simulation
15.00 -15.15 pm	Tea Break
15.15 -16.00 pm	Seamweld fatigue assessment Customer correlation for market and customer orientated development Application case "CAE full process" Close – Q&A
16.00 -16.15 pm	Vote of Thanks

About Speaker & The Event...

Dominiek Coppens is Senior Product Line Manager working at Siemens Industry Software in Leuven, Belgium. He 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. Top Tech is a high end technical event with emphasis on advance engineering concepts, practical case studies and its application to automotive industry.



Venue:

THE WESTIN GURGAON
Number 1, MG Road, Sector 29, New Delhi
NCR · Gurgaon, Haryana, 122002 · India

About Siemens PLM Software and LMS

Siemens PLM Software is a world-leading provider of product lifecycle management and manufacturing operations management software. We help thousands of companies realize innovation by optimizing their processes, from planning and development through manufacturing, production and support.

In a world of smart, connected products, where entire markets can vanish with a single innovation, manufacturers must take a new approach to their business. Some are trying to anticipate trends by gathering data from product usage and feeding it back into product ideation, but even if they know what to make, they still have to make it. That's why manufacturing – the realization phase of innovation – is vital in this new era.

We believe that manufacturers must weave a digital thread through ideation, realization and utilization. It's not enough to digitize. That just mimics processes digitally for incremental improvement. Manufacturers have to digitalize. Digitalization makes the digital thread of knowledge a proactive agent in driving a business. With a fully optimized "Digital Enterprise", manufacturers are better equipped to initiate or respond to disruptive innovation.

LMS simulation and testing solutions help manufacturing companies manage the complexities of tomorrow's product development by incorporating model-based mechatronic simulation and advanced testing solutions in the product development process. Our products and services tune into mission-critical engineering attributes – ranging from system dynamics, structural integrity and sound quality to durability, safety and power consumption. LMS products also address the complex engineering challenges associated with intelligent systems in the automotive and aerospace industries as well as in other advanced manufacturing industries.

Please visit website: http://www.plm.automation.siemens.com/en_us/products/lms/index.shtml for further details.

ABOUT SAE INDIA

SAEINDIA, a non-profit body has been in the forefront to identify and transmit relevant technologies to the society in general, and stakeholders, in particular. It is affiliated to the parent body SAE International which is head quartered in USA with a glorious record of more than 100 years of service to the mobility community.

SAE International has more than 121,000 members – engineers, business executives, educators & students from more than 97 countries – who share information & exchange ideas for advancing the engineering of mobility systems. SAE is a premier resource for standards development, events, technical information & expertise useful in designing building, maintaining & operating self-propelled vehicles for use in land, sea or air.

ABOUT SAEINDIA NORTHERN SECTION

SAEINDIA Northern Section, a section of SAEINDIA, is a premier society that serves the Mobility Engineering fraternity towards the design, manufacture and service of self propelled vehicles & systems that move in air, space and on land. The society has more than 7200 members comprising of stalwarts of the industry and affiliates from the student community. SAEINDIA Northern Section covers Rajasthan, UP, Uttaranchal, Uttarakhand, Delhi-NCR, Haryana, Punjab, HP, J&K. The body has been involved in conducting seminars, workshops, conferences, student & professional events for its members.

REGISTRRTION DETAILS

Name :	
Designation :	
Department :	
Company Name :	
Contact number :	
Email Address :	