

## Maruti - MSC - SAENIS Event



Block  
Your Dates



**DATE**

18th June 2018



**TIME**

5.30pm To 10.30pm



**VENUE**

Hyatt Place Hotel at Gurgaon, Haryana

## Maruti – MSC – SAENIS Event - Agenda

Timing	Topics	Speaker
5.30 PM to 5.40 PM	MSC company update 2018, recent acquisitions, autonomous & additive initiatives	Ramesh Adoni
5.40 PM to 6.10 PM	New Trends in Automotive Industry and How MSC is working with the customers worldwide to address them	Syam Sunder
6.10 PM to 6.40 PM	Doing more on Structural Simulation (Strength,NVH, Non – Linear, Fatigue)	Bhavaneesh Athikary
6.40 PM to 7.10 PM	Acoustic Simulation for Automotive Industry	Kedar Deo
7.10 PM to 7.40 PM	Vehicle Dynamic Simulation, HiL, SiL using Adams	Satyabrata Muduli
7.40 PM to 8.10 PM	Virtual Shop Floor – Manufacturing simulation	Vinand Arabale
8.10 PM to 8.40 PM	Automotive Light-Weighting Strategy – Metals to Plastics	Soumik C
8.40 PM to 9.10 PM	Accelerating Automotive CFD using Cradle	Ramesh Adoni
9.10 PM to 9.40 PM	Virtual Validation of Autonomous Driving Systems & ADAS	Harshad Chitre
9.40 PM to 10.00 PM	Feedback & Wrap Up	
10 PM onwards	Dinner & Networking	

## Maruti – MSC – SAENIS Event – Speaker’s profile

Speakers	Speakers Profile
<b>Ramesh Adoni - Director Sales, India</b>	Ramesh Adoni has got 19 years of experience in CAE Sales, Marketing, BD, Technical Teams Management. He is currently Director- Sales with MSC India for 9 years. Prior to that he was with 2008-2009: Country Manager at Blueridge Numerics India- a leader in CAD embedded CFD (acquired by Autodesk) 2000-2008: National Sales Manager: Fluid Business Unit- ANSYS India 1999-2000: Intern/ Account Executive - Upasana Communications.
<b>Syam Sunder - Director – Technology &amp; Business Development, MSC Software Indo-Pacific</b>	Ramesh holds a Bachelor degree of Mechanical Engineering from Bangalore University in 1998  Syam Sunder has been associated with MSC since 2005, set up the Product Development teams, and later ran the Enterprise Solutions team that focused on cutting -edge solutions for MSC’s Global customers. Since 2010, he has been heading the Technical Sales for all MSC products and Business Development for all Industries in India, and since 2016, for ASEAN and ANZ. Prior to joining MSC, Syam worked with PTC in the development of CAD and CAM technologies, and also ran the design team for a leading machinery manufacturer. Syam holds a degree in Mechanical Engineering from REC/NIT Calicut, specializing in Finite Element Methods and Geometry algorithms
<b>Bhavaneesh Athikary Manager - Business Development ,Automotive, Indo-Pacific Region</b>	He has over 14 years of experience in automotive simulations, most of which is focused in the fields on Durability , NVH and Optimization solutions for Auto OEMs . Currently he is responsible for the business development activities for automotive sector. He holds a Bachelor’s Degree in Mechanical Engineering from NIE , Mysore. Previous to joining MSC he has worked for companies like National Aerospace Labs, Tata Motors Ltd and Hero Motocorp handling full vehicle multi-disciplinary optimization, NVH and durability simulations of SUVs, HCVs, LCVs & Passenger cars.

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<b>Harshad Chitre - Manager, Business Development – System Dynamics, MSC India</b>	Harshad Chitre has been associated with MSC India since 2007, working in various organizations like Global Support, Services and Pre-Sales, and since 2015, he has been heading the Automotive Business Development activities in India, with a particular focus on System Dynamics, ADAS and Autonomous Driving. With nearly 15 years of experience, Harshad has worked in the field of Multibody Dynamics at various levels, and with multiple Indian and Global Automotive OEMs. He holds a degree in Mechanical Engineering from Mumbai University, and has completed Master of Sciences in Automotive Engineering from Coventry University, UK.
<b>Kedar Deo, Senior Technical Specialist – NVH / Acoustics, MSC Software India</b>	Kedar Deo holds master's degree in automotive engineering from Coventry University & has experience of over 14 years in the field of NVH / Acoustic simulations. In the past he has worked as NVH Team Lead for companies like Mahindra & Mahindra Ltd & General Motors handling full vehicle NVH for SUVs, LCVs & Passenger cars. He is associated with MSC Software from year 2013 & works with all major Auto /Aero OEMs and Tier-1 suppliers in India & ASEAN countries providing NVH / Acoustic solutions. He has undergone advanced trainings on acoustics at ISVR (UK) & Free Field Technologies (Belgium) & has delivered more than 25 corporate trainings on Acoustics / NVH for major Indian OEMs in past 5 years.
<b>Satyabrata Muduli, Technical Specialist, System Dynamics</b>	He perused mechanical engineer from Annamalai University in 2012, and since then has been associated in CAE-MBD & Controls domain with more than 5 years of experience. He has contributed in setting up MBD process & have executed MBD & Controls projects for many Indian Automotive OEMs, Tier-I, Tier-II suppliers via his stint with MSC Software Corp. from 2013-2016. He also has added value to the global projects at Ford motor Company for Powertrain-NVH team from 2016-2018. He is currently working as Technical Specialist –System Dynamics.
<b>Soumik Chakrabarty Business Development Manager, e-Xstream Engineering</b>	Soumik Chakrabarty has a master's degree in Automotive engineering and almost a decade's experience in CAE solutions. Have been associated with MSC since 2009 and specialises in Nonlinear, Fatigue analysis and Optimization. Currently handling a role of Business Development for e-Xstream Engineering for the India-Pacific region
<b>Vinand Arabale, Business Development Manager, Simufact</b>	M.Tech. in mechanical engineering with 14 years of experience in the field of manufacturing and non-linearity Simulation. Started career with Defence Metallurgical research lab, then Steel R&D, then worked as a manufacturing simulation consultant in UK. For last 10 year with MSC Software Working on non-linear simulation aspects.

## Maruti – MSC – SAENIS Event – Material Content

MSC Solution	Material Content
<b>MSC Nastran</b>	MSC Nastran is the premiere finite element analysis solver from MSC Software that continues to be selected choice by engineers for over 50 years. From the high performance computing capability to the high degree of certainty it delivers. MSC Nastran is engineered to give you a heightened awareness of how your products will behave.
<b>Adams</b>	Most widely used mechanical system simulation software Adams stands for Automatic Dynamic Analysis of Mechanical Systems. It is a Multibody dynamics software that is used to study the dynamics of moving parts, and to determine how loads and forces are distributed throughout mechanical systems. With three decades of innovation and industry leadership, companies Across industries choose Adams as their system dynamics solution.
<b>Actran</b>	Actran is a finite element approach based general purpose finite element based powerful acoustic simulation used to improve the acoustics performance of your designs with this complete simulation solution used by leading manufacturers around the world. Actran does Acoustic (radiation, duct acoustics), Vibro - acoustics (Fluid coupled with structures and porous material), Trimmed Car Body (Co-simulation with MSC Nastran), Aero Acoustics, Turbomachinery noise and acoustic computation on large domains.
<b>MSC Fatigue</b>	From aircrafts to cell phones, this state-of-the-art FE based Fatigue & Damage Tolerance solver for CAE enables the quick and accurate prediction of how long products will last under any combination of time dependent or frequency-dependent loading conditions. MSC Fatigue® is an advanced, full featured durability solution available in the marketplace. Its advanced fatigue life estimation program allows users to perform comprehensive fatigue analysis with the same FE results that are used for stress analysis. The environment seamlessly enables CAE, dynamic analysis and durability to be managed in one user friendly interface. It includes advanced modules developed by MSC Software over a 20 year period as well as more recent modules developed as part of the nCode DesignLife suite of programs.

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MSC Solution	Material Content
<b>Simufact</b>	<p>Simufact is our solution for manufacturing process simulation to meet challenges like Inefficient manufacturing processes, Finding the right manufacturing process chain depending on production type, batch sizes, existing equipment, too long process development (time-to-market issue), too high costs, cost competition from alternative manufacturing processes, Lack of knowledge about the processes at an early design phase,</p> <p>Poor knowledge management (related to personnel fluctuation and retirement), meet the quality and performance requirements of your customer’s specification.</p>
<b>Cradle</b>	<p>SC- Tetra is a general purpose thermos – fluid simulation software widely used in industry that uses a hybrid mesh to accurately represents complex shapes and model geometry. Features such as sophisticated mesh generation system, high speed computing, low memory consumption, and a user friendly interface throughout to increase user efficiency.</p>
<b>Digmat</b>	<p>e-Xstream engineering develops and commercializes Digimat, a state-of-the-art multi-scale material modeling technology that helps speed up the development processes for plastic &amp; composite materials and structures. Digimat is used by CAE engineers, specialists in manufacturing processes of composite materials and materials scientists to accurately predict the nonlinear micromechanical behavior of complex multi-phase composite materials and structures.</p> <p>Digmat, winner of the JEC Innovation of the Year Award 2014, is relied upon by major Material Suppliers, Tier1s and OEMS worldwide in various industries. It bridges the gap between manufacturing and structural performance. It helps multi-industries using plastics &amp; composites.</p>
<b>Vires</b>	<p>VIRES Virtual Test Drive (VTD®) is a complete tool-chain for driving simulation applications. VTD provides a modular toolset for road generation, scenario definition, traffic and sound simulation, simulation control, image generation etc. It uses established standard file formats. VTD provides open interfaces for 3rd party components and a plug-in concept with API for 3rd party modules.</p> <p>VTD is an established software package which is in service at numerous installations in the automotive and railroad industry.</p>

**For more information visit:  
[www.saenis.org](http://www.saenis.org)**