



Innovating and Accelerating Future Mobility Technology with Virtualization

AGENDA

📅 6th April 2022 | 🕒 5:00 PM - 8:30 PM

📍 Hyatt Place, Gurgaon, 115/1 Old Delhi-Gurgaon Road, Sector 18, Gurgaon, Haryana, 122015

Registration and Networking over Hi-Tea

4:30 - 5:30 PM

Electrification

Advancement in virtualization practices for accelerate Electric Vehicle verification and validation

5:45 - 6:30 PM
Mr. Ankit Adhiya | Mr. Tushit Desai

Electronics

Achieving first pass success for Automotive Electronics Design

7:00 - 7:30 PM
Mr. Nikhil Grover

Smart Lighting

Accelerate smart lighting and test potential edge cases early in design

8:00 - 8:30 PM
Mr. Raghavendra B.

Key Note Address by Maruti

5:30 - 5:45 PM

ADAS / Autonomous Driving

Fast Tracking ADAS Autonomous Vehicle Development with Simulation

6:30 - 7:00 PM
Mr. Sameera D.

Automotive Safety & Security

Meeting Functional Safety and Safety of Intended Functions for next generation vehicles

7:30 - 8:00 PM
Mr. Raghavendra B.

Networking

8:30 PM Onwards

In Automotive industry, the disruptive innovation is key to growth. Today, Electrification, Autonomous, Connected, smart vehicle is disrupting the transportation industry, and the exponential increase in technology advancement will only continue. These megatrends are putting tremendous pressure on the automotive industry to reinvent quickly and deliver differentiating mobility and transportation experiences, or risk being left behind.

Engineering simulation is more important than ever in automotive industry to tackle the challenges posted by this disruptive innovation. It has helped OEMs to get better insights to their component, sub-system, and system level designs. As the technology advances, there is as much software in current vehicle as the hardware. These software algorithms once implemented need to be verified with plant model through Model-in-Loop (MiL), Software-in-Loop (SiL) or Hardware-in-Loop (HiL) interfaces. The accuracy of plant model developed for this validation is very important to ensure software integrity. A high-fidelity physics-based plant models are now been generated to accurately perform system verification and validation.

The event is focused on discussing simulation solutions and trends emerging for virtual validation on Electrification and Autonomous driving along with Democratization of simulation for Design engineers. The event aims to emphasize the challenges coming from these emerging technologies and how engineering simulations can help address these challenges.

SPEAKERS



Mr. Ankit Adhiya, Senior Manager Electronics – Electrification, Ansys

Mr. Adhiya leads the electronics and electrification team- ANSYS India. He is specialized in evolving technology like Electric Vehicles with focus on battery and motor design. With more than seventeen years of experience in the Automotive industry, Ankit has been helping automotive design engineers to design, safe and reliable Electric Vehicles.



Mr. Tushit Desai, Senior Technology Specialist, Ansys

Mr. Desai's focus area includes Electric Vehicles. He has over 10 Years of expertise in Automotive electrical motor developments which comes up with complex requirement to accommodate the ordinary driving dynamics to meet the existing engine performance under the Continuous power, Peak power, Starting condition etc. Having a good knowledge in transforming the existing electrical machine & battery designs / developments plan through virtual prototyping which in turn reduce a risk in product development through virtual validation.



Mr. Sameera C Damle, Senior Product Sales Manager, Ansys

Mr. Damle is responsible for the Systems & Optical Solutions from Ansys in India, SEA & ANZ region. He comes with experience in the areas of automotive software development, simulation, and validation of automotive controllers for Powertrain, BMS and Infotainment domains. He started his career as a software engineer at Delphi Automotive Systems in 2005. He was with ETAS from 2008 to 2019 and has worked in different areas like application engineering, technical sales, business development, product management. He joined Ansys in 2020 as Technical Account Manager.



Mr. Raghavendra Bhat, Technical Manager Application Engineering, Ansys

Mr. Bhat has experience with Software Development Life Cycle including Requirements Management, Software Configuration Management, Model Based design and development of Safety Critical, Embedded Real Time Systems and Testing. He has a master's degree in Software Systems from Birla Institute of Technology and Science, B.E. in Electronics and Communications from VTU and a Diploma in Electronics. He is also an OMG Certified UML and SysML professional and TUV SuD certified.



Mr. Nikhil Grover, Senior Application Engineer (High Frequency), Ansys

Mr. Grover is a Senior Application Engineer focusing on EMI/EMC, at Ansys Inc. He joined Ansys in January 2020 and has about 9.5 years of experience, with a blend of both simulation and hands – on testing aspects of EMI/EMC. Prior to Ansys, he worked as a Technical Manager of EMC lab at ICAT, Manesar, and as an EMC Engineer with the Ford Motor Company, USA. He holds a Masters' degree in Electrical Engineering specializing in Electromagnetics and Antenna Design, from The Ohio State University, USA.

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