



Department of Mechanical and Aerospace Engineering, IITH

Industry Lectures

Advanced Driver Assistance Systems

C. Navin Kumar

The talk would touch upon the following points:

- Introduction to Advanced Driver Assistance Systems (ADAS)
- Significance of ADAS and it's importance
- Mechanical to Multidiscipline
- Types, Simulation, Analysis used in ADAs
- Developments in ADAS
- Industry use cases and latest trends
- Major players in the industry
- Opportunities and challenges in ADAS
- Simulation and Validation of ADAS systems
ADAS and Self Driving vehicles
- Future of ADAS



About the speaker

C. Navin Kumar is currently Sr Lead at TCS, Bangalore. His responsibilities include developing methods and software tool development for different simulation and analysis used in automobile parts like Battery, Fender, Door, Engine using softwares like Hypermesh, HyperView, Hypergraph, Abaqus Viewer, Ls PrePost, Primer, Animator using Python, Tcl/Tk, C++ etc. He has more than fifteen years of work experience in Automotive, Computer Aided Engineering, Simulation, Battery Analysis, Advanced Driver Assistance Systems. He also worked in General Motors Technical Centre, India. He completed his M.Tech from IIT Madras in Engineering Mechanics.