



ME Seminar



The Silent (Electric) Revolution

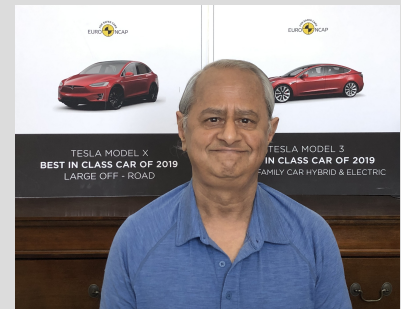
Dr. Madan Gopal, Tesla, Inc., USA

ABSTRACT

Modern electrification is ushering an era of transformational revolution from energy to transportation and future of mobility and safety. This talk will discuss the key aspects of on-going global transition from traditional vehicles to electric future.

ABOUT THE SPEAKER

Madan is a Principal Safety Engineer at Tesla, Inc. in the Safety and ADAS Testing part of the vehicle engineering and leading the role of systems integration. He was invited to join Tesla in 2009 to develop the safety systems department and started in the development of the brand-new Model S a mass production electric vehicle. Since then he has contributed to the safety of Model X, Model 3 and Model Y(crossover) vehicles. Currently working on the Tesla Semi (US commercial class 8 36Metric Ton EV truck) and Cybertruck platforms and the upcoming mass EV mobility (25K) vehicle for the global market. In his role, he interacts with various departments from design studio, simulation, engineering, testing, marketing and legal to mobile service and Tesla insurance. He began his career in 1989 at the Cadillac Motor Car division of the General Motors in Michigan after receiving his Ph.D. from the University of Missouri at Rolla (currently Missouri School of Science and Tech.) and prior to that completed his ME in Civil Engg. in 1983 and continued as a candidate for a Ph.D. in the Aerospace department and a research student under Prof. Roddam Narasimha at IISc. He holds multiple patents and trade secrets and all the Tesla vehicles have received the highest global safety ratings. All production vehicles have received the highest US New Car Assessment Program 5* rating and the latest set includes Models 3 and X(SUV) which have been awarded the 2019 Best-in-Class in three of the eight vehicle rating categories in the Euro NCAP 5* and Top-Performer in the Australasian NCAP 5* and as well as Model 3 from the US Insurance Institute for Highway Safety's 2021 Top Safety Pick+ (three years in a row since its introduction) for their safety!



LinkedIn: <https://www.linkedin.com/in/madangopal2009/>

May 7th, 2021, 4:00 pm, Microsoft Teams