Automotive Powertrain NVH
(Noise, Vibration & Harshness)

*"Providing the Transformational Means to a New Era
of Sustainability and Mobility "*

SAFER

VEHICLES ROUTED AROUND
PEDESTRIANS AND EACH OTHER

HEALTHIER

Imagining The City of Tomorrow | Innovation | Ford - YouTube

The automotive engineering community is now confronting the largest technological transformation since its inception. These having to do with the electrification of powertrains for more efficient consumption and cleaner emissions, the reinvention of the battery with fast wireless charging capabilities to fully replace the current fuel driven vehicles and finally the advent of full autonomous vehicles.

The car as we know it today will totally change! It will have a so called "soul" and will be an extension of your personality which you can talk to, can read your face and lips and would know your mood and feelings as it transports you from point A to B. The whole concept of passenger transportation is being transformed for a Safer and Healthier Environment.

So, the challenges to the automotive engineers are enormous! NVH refinement is one of the key enabler in delivering the requirements for Sustainability and Mobility. This course will cover Basic Principles of NVH Design and Simulation as applied to the next generation vehicles.

Mr. Mario J. Felice is Global Manager of Powertrain NVH CAE engineering at Ford Motor Company. He heads a large team of well over 100 CAE engineers located in North America, Europe, Australia, India and South America.

He's responsible for all the analytical support of Ford's global powertrain development programs with the goal of delivering best NVH refinement with respect to Smoothness, Quietness and Sound Quality.

He has published and presented at many international symposiums and conferences and earlier this year he's been elected member of the NAFEMS Council (Board of Directors). NAFEMS is the International Society for Simulation Engineering.

**Course participation is free, registration is required.
Please contact Prof. M. E. Biancolini (biancolini@ing.uniroma2.it).**