

asc(s simpulsdays: "NVH simulation and methodology"

impulse day
Vehicle Structure



Leinfelden-Echterdingen, 12th May 2016. The simpulsdays NVH simulation and methodology which took place on 12th May 2016 enticed international experts from the field of Noise, Vibration and Harshness to the business park in Leinfelden-Echterdingen. The event was sponsored by the asc(s member company, Beta CAE Systems, which also contributed a specialist lecture delivered by Mr. Anastasios Sarridis. He presented current design improvements through enhanced processes available within NVH Console, an integrated suite for multi-component NVH analyses which is embedded in ANSA and allows rapid design improvements, as "what-if" analyses with respect to NVH modelling techniques by minimal computational efforts to the audience. Furthermore, the participants were also treated to a specialist lecture from Dr. Alfred J. Svobodnik, Managing Director at Konzept-X GmbH. His impulse keynote gave an

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overview of state-of-the-art CAE methods for virtual product development of audio systems, especially focusing on automotive applications. Matrix based CAE methods were discussed to be used for multiphysical modeling of transducers, acoustic enclosures (e.g. doors or rear shelves of automobiles) and listening spaces (i.e. car cabins). During an interactive session, the NVH experts derived the future demands which electrically-driven vehicles will place on the virtual design process. The generated mind maps represent a cornerstone for the definition of new method development projects.

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