

11th International Styrian Noise,
Vibration & Harshness Congress
The European Automotive Noise Conference

in
cooperation
with



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ISNVH: Integrating Seamlessly NVH

NVH in the era of connected
and automated vehicles

ONLINE EVENT

November 4, 2020

Content Overview

AVL 

virtual  vehicle

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FINAL PROGRAM

Starting Time

CET (UTC +1)

9:30 AM	<i>Welcome reception, introduction</i> VIRTUAL VEHICLE
9:50 AM	Keynote 1: <i>Thomas Antoine, Renault SA, France</i> The Future Pass-By Sound Regulations and Their Impact on City Life (working title)
10:20 AM	Ki-Ho Lee, KAIST, South Korea 20SNVH-0141 / 2020-01-1570 Reinforcement of Low-Frequency Sound by Using a Panel Speaker Attached to the Roof Panel of a Passenger Car Session: Full Vehicle NVH: Electrification (No. 108)
10:40 AM	Tae-Won Ha, Hyundai Motor Company, South Korea 20SNVH-0118 / 2020-01-1503 Robust Development of Electric Powertrain NVH for Compact Electric SUV Session: Full Vehicle NVH: Electrification (No. 108)
11:00 AM	Break
11:10 AM	Thibault Wassereau, Sonorhc Technologies, France 20SNVH-0109 / 2020-01-1579 Coarse Mesh RIFF Method to Identify the Homogenized Flexural and Shear Complex Moduli of Composite Beams Session: Inverse Methods in Structural Acoustics (No. 125)
11:30 AM	Camille PERROT, Université Gustave Eiffel, France 20SNVH-0022 / 2020-01-1526 Micro-Macro Acoustic Modeling of Heterogeneous Foams with Nucleation Perturbation Session: Material Characterisation and Modelling + Acoustic Metamaterials (No. 112)
11:50 AM	Felix Langfeldt, Hamburg University of Applied Sciences, Germany 20SNVH-0137 / 2020-01-1562 Impact of Manufacturing Inaccuracies on the Acoustic Performance of Sound Insulation Packages With Plate-like Acoustic Metamaterials Session: Material Characterisation and Modelling + Acoustic Metamaterials (No. 112)
12:10 PM	Lunchbreak
12:50 PM	Keynote 2: <i>John Mottershead, University of Liverpool, Great Britain</i> Active Vibration Control based on Modal Test Data
1:20 PM	Ilias Minas, Loughborough University, Great Britain 20SNVH-0028 / 2020-01-1510 On the Effect of Clutch Dynamic Properties on Noise, Vibration and Harshness Phenomena Session: Powertrain, Transmission & Drivetrain (No. 100)
1:40 PM	Peter Fischer, Graz University of Technology, Austria 20SNVH-0039 / 2020-01-1505 Characterisation of Brake Creep Groan Vibrations Session: Powertrain, Transmission & Drivetrain (No. 100)
2:00 PM	Break
2:10 PM	Mohsen Bayani Khaknejad, Volvo Car Corporation, Sweden 20SNVH-0054 / 2020-01-1558 Finite Element Model Reduction Applied to Nonlinear Impact Simulation for Squeak and Rattle Prediction Session: Modelling Techniques & Virtual Prototyping (No. 124)
2:30 PM	Lukas Utzig, Technical University of Munich and BMW, Germany 20SNVH-0016 / 2020-01-1577 Squeak Noise Prediction of a Door Trim Panel Using Harmonic Balance Method Session: Modelling Techniques & Virtual Prototyping (No. 124)
2:50 PM	Maximilian Herrnberger, BMW Group, Germany 20SNVH-0027 / 2020-01-1500 Simulation Process for the Acoustical Excitation of DC-Link Film Capacitors in Highly Integrated Electrical Drivetrains Session: Modelling Techniques & Virtual Prototyping (No. 124)
3:10 PM	Break
3:20 PM	Keynote 3: <i>Kon-Well Wang, University of Michigan, USA</i> Learning from Nature – Adaptive Metastructures for NVH
3:50 PM	Best Paper Award, final remarks and conclusion VIRTUAL VEHICLE