

We are living in a time where a lot of changes in the development processes of the automotive industry are paving the course of the future. One of the key elements is the interdisciplinary merging of simulation and testing which just started.

To make this change successful it is requested that the vehicle developers, simulation engineers and test engineers collaborate closely to establish innovative technical solutions to meet the future requirements.

The TESTING & SIMULATION CONGRESS @ Automotive Testing Show & UK

will present in the exhibition the present status of powertrain and vehicle component and system solutions as well as simulation and test tools to enable efficient development of future powertrains and vehicles. The related congress will show the development trends in the classic tasks of gas exchange, combustion and exhaust gas aftertreatment. Due to the constantly increasing vehicle variants, the integration of the drivetrain has become a decisive topic as the evaluation of driving performance, fuel consumption and RDE is of crucial importance.

Get involved with us. We look forward to your paper submission and your attendance (or participation):

Papers about successful applications, new processes and future trends in **simulation** and **testing** of the following areas take center stages:

Engine and Gear	Vehicle Integration	Processes
<ul style="list-style-type: none"> Gas Exchange Combustion Processes Exhaust Aftertreatment Mechanics Material Behaviour 	<ul style="list-style-type: none"> Driving Performance CO2 Reduction Fuel Consumption Exhaust Emissions 	<ul style="list-style-type: none"> Product Development Processes Integration of Simulation and Testing
Noise and Vibration	Control and Calibration	
<ul style="list-style-type: none"> Engine, Powertrain and Drivetrain NVH Heavy Vehicle and Vehicle Exterior Impact of downsizing on NVH Noise path analysis Car and truck pass-by noise Numerical Methods New developments in NVH simulation Experimental NVH analysis method Passive and Active NVH Control Vehicle sound quality and brand sound Commercial and Specialty Vehicles Aero-acoustic noise Tire and road noise NVH phenomena in hybrid and electric vehicles 	<ul style="list-style-type: none"> Calibration processes, methods and automation Calibration of engines, transmissions, driveline, HEV, EV Virtual and experimental Calibration Front loading: road to rig to Hardware in the Loop to office Optimization methods Architectural concepts for software systems: e.g. AutoSAR, modularization, interfaces Control Strategies Rapid Control Prototyping Data record validation and documentation Diagnostic processes and functional safety On Board Diagnostics Intelligent driving Vehicle to Vehicle communication Ethernet in cars CAN FD ECU software development Hybrid Controls 	

DEADLINES

15th of August 2016
Deadline for submitting abstracts

15th of September 2016
Notification of authors regarding acceptance of abstract

15th of October 2016
Deadline for submission of full paper

Presentation Language: English.

Presentations are to last 20-25 minutes plus subsequent discussion, 30 minutes total.