

08:30 - 09:30

Registration and Welcome Coffee

09:30 - 10:50

VI-grade*Welcome Address***VI-grade, Saginomiya***Evolution of DiM Design***Alfa Romeo***How to Reduce Development Time: Winter Session at the Driving Simulator***Multimatic Technical Centre***Developing Race Specific Setups for the Ford GT*

10:50 - 11:20

Coffee Break

11:20 - 13:00

Volvo Car Corporation*Driving Simulator Tools and Methods for Chassis Tuning***MdynamiX***Steering Models: an Efficient Approach for Parameter Identification and Steering System Optimization***Ferrari***A Tire in the Loop***ZF TRW***Motivation for Virtual Testing in a Simulator Environment***Sim.Co.VR *Flash Presentation****A Glimpse into the Present and Future of VI-GraphSim*

13:00 - 14:10

Lunch Break

14:10 - 15:30

Honda R&D Co., Ltd*Simulation and Driving Test Result of High Power Dynamic Charge***Magneti Marelli Motorsport***Evolution of Motorsport Telemetry***VIRTUAL VEHICLE Research Center***The OpenConnectedTestbed - a Unique Automotive R&D Infrastructure***3D Mapping *Flash Presentation****Worldwide Digitalization of Real Roads for High-End Simulation Applications*

15:30 - 16:00

Coffee Break

16:00 - 18:00

Hyundai Motor Europe Technical Center*A New Ride Evaluation Methodology Applied During Hyundai i30 Integrated Development***Danisi Engineering***Optimising Passive Vehicle Dynamics for Active Safety and Autonomous Driving***ESTECO, Oktal, VI-grade***Virtual Test Bench for Vehicle and Infrastructure Development for Advanced ADAS/AD Systems***Podium Discussion***ADAS/AD Technology: How to Prove it Efficient, Safe and Comfortable Using Driving Simulators*

19:30 - 23:30

Evening Event

14:10 - 15:30

FEV*Virtual Engine Recent Developments and Future Roadmap***Ferrari***A Methodology for Pressure Relief Valve Analysis and Optimisation within Chain Drive System Dynamics***HPE***Piston Pin Dynamic Analysis***Piaggio***Virtual Engine for an NVH Investigation on a Motorbike Engine*

08:50 - 09:20

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MSC Software*Adams Car In-The-Loop***VI-grade***Real-Time Products Update***Automobili Lamborghini***Using Driving Simulator and HIL in Calibration of a Magnetorheological Damper Controller***FEV***Lamborghini Asterion: Hybrid Powertrain Design Approach*

10:50 - 11:20

Coffee Break

11:20 - 13:00

WIVW*How Much Simulation Do We Need? Analyzing Subconscious Measures of Presence***Politecnico di Torino***Objective Evaluation and Design of a Rear Wheel Steering System with the Help of a VI-CarRealTime Vehicle Model and a HIL Setup***Porsche, Addfor***Optimizing the System Integration Process by the Use of Dynamic Driving Simulators***Michelin***TameTire for Real-Time Applications: an Interface with VI-CarRealTime***Concurrent Real-Time *Flash presentation****New Product Developments and Enhancements at Concurrent*

13:00 - 14:10

Lunch Break

14:10 - 16:30

COSIN*The Next Step: FTire Including its Full Thermal Model in Real-Time***MegaRide***Effects of Temperature, Roughness and Wear on Real-Time Advanced MF Tire Modelling***Fraunhofer ITWM***Advanced Tire Simulation with CDTire in VI-CarRealTime: a Real-Time Capable Structural Tire Model which Covers the Higher Frequency Range***University of Florence *Flash Presentation****Firenze Race Team Driverless: a Sight on the Future***Universidade de Sao Paulo***Road Traffic Accident Analysis Aided by Simulation and Designed Experiment***UniNa Corse - Università Federico II, Naples *Flash Presentation****Virtual Formula 2017: a Word from the Winning Team***VI-grade***Wrap-Up Speech & Best Paper Award*

16:30

End of Conference

11:20 - 12:40

Railway Transport Cluster*Evaluation of Simulation Results of Running Characteristics of the Bogie ZDK-SB According to EN14363***University of Huddersfield***Development in Switches and Crossing Simulation Using VI-Rail***D2S International***Wheel-rail Interface Study with Wear Analysis: Measuring Campaign / Simulations with VI-Rail***University of Twente***Rail Wear Prediction Using the VI-Rail Wear Toolkit and a Physics-Based Wear Model for Different Wheel-Rail Profile Combinations*