

11th European ADAMS Users' Conference Agenda



**Mechanical
Dynamics GmbH**

Engineering Software
und Service

Tuesday:

08:30

- **Welcome Address**
M. Korybalski, MDI
- **What is new in ADAMS 9.0?**
Pat Turner, MDI
- **"ADAMS/Car in the Chassis Development Process"**
J. Engström & J. Hellberg, Volvo Car Corp.

10:00 Coffee Break

10:30

- **"Simulation of the Twist Beam Rear Suspension System Using Flexible Bodies in ADAMS"**
A. Marsh, TAYMAR Pty., K. Wolperding & H. C. Wille, Volkswagen AG
- **"An Approach to Simulation of Parallel Architecture Machines"**
E. Annacondia, Gerardi S.p.A., C. Boer, Politecnico di Milano, D. Catelani, MDI s.r.l. & R. Rinaldi, CNR
- **"AnTriebStrang (ATS) - an A/View Userinterface to Model and Simulate Parametric Car Powertrains"**
D. Kölsch & A. Goldau, Volkswagen AG, B. Richter, MD GmbH
- **"Driveline Vibration Analysis of a Land Rover Four Wheel Drive Vehicle Using Designs of Experiments"**
K. Allin, Rover Group & N. A. McGowan, MDI Ltd.

12:30 Lunch Buffet

14:00

- **"Full Lap Simulation of a Formula 1 Car"**
J. Tempest, Williams Grand Prix, M. Guttilla, MDI & U. Wurster, IPG
- **"Multibody System as one Aspect of the Model Formulation and Simulation of Current Limiting Power Circuit Breaker"**
A. Krätzschar, Klöckner-Moeller GmbH
- **"Comparison of ADAMS/Rail Results with European Benchmark Data"**
A. Soma & A. Gugliotta, Politecnico Di Torino
- **"Genetic Algorithms in Multilink Front Suspension Optimization"**
C.G. Franchi, F. Migone, & A. Toso, Dallara Automobili

16:00 Coffee Break

16:30

- **"Using ADAMS/View for Optimization of Long Jumping Technique"**
A. Friedrichs & S. Seyfarth, Friedrich-Schiller-University Jena
- **"Durability Analysis of Virtual Prototypes Using ADAMS and TecWare"**
V. Köttgen & M. Bäcker, TECMATH GmbH, M. Hoffmann, MD GmbH
- **"ADAMS Usage at Vickers Defense"**
A. Bromley, Vickers Defense Systems & S. Biggs, MDI Ltd.

19:00 Evening Reception (Entrance Hall)

20:00 Dinner (Conference Hall)



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- **"Studying the Vehicle Response to Various Inputs by Virtual Prototyping"**
P. Kvasnicka & F. Palcak, Slovak Technical University
- **"Full Vehicle Simulation and Steering System Response"**
M. Hulla, SOVA & F. Palcak, Slovak Technical University
- **"Using ADAMS in the Development of High Voltage Switching Gears"**
H.-P. Walser, ABB Research Center
- **"DELFT TYRE, an Analysis Toolbox on Tyre Behaviour"**
J.v. Oosten & J. Pauwelussen, TNO Road-Vehicles Research Institute
- **"A Parametric Dynamic Automotive Shock Absorber Model for ADAMS"**
K. Reybrouck, & S. Duym, Monroe Europe

10:30 Coffee Break

11:00

- **"Medyna as a Tool of ADAMS/Rail"**
W. Kik, ARGE CARE
- **"ADAMS/View Powertrain Model"**
L. Lindkvist, Volvo Car Corporation
- **"INVEC: A New Concurrent Engineering Approach to the NVH Optimization of the Vehicles "**
P. Campanile, Centro Ricerche Fiat

12:30 Lunch Buffet

14:00

- **"Flexible Component Modelling in ADAMS. Recent Development and Applications"**
D. Minen, MDI s.r.l.
- **"Modelling of a Human Protective Device System"**
J. Marsot & L. Maffiolo, INRS
- **"Helicopter - Ship Dynamic Interface Modelling with ADAMS"**
C. Pedrazzi, Riva Calzoni

15:30 Coffee Break

16:00

- **"Soil Tire Interface to ADAMS - Simulation of the Dynamic Vehicle Soil Interaction"**
F. Faßbender, University Hamburg
- **"Modelling of a Snow Tracked Vehicle"**
F. Cianetti, C. Braccisi & F. Ortaggi, University of Perugia
- **"Simulation of a 'Goliath' Transfer Robot Combining the Software Tools ADAMS and MATLAB"**
A. Arenz, U. Becker & W. Borchert, Techn. University of Braunschweig
- **"Interior Noise Prediction Using the ADAMS Simulation Tool"**
J. Kuipers, Ricardo Consulting Engineers