



Agenda for the SIMPACK User Meeting 2007 at La Redoute in Bonn – Bad Godesberg, 20st November 2007

- 10.00 **Welcome**
Lutz Mauer, INTEC GmbH
- 10.15 **INTEC on Track**
Alex Eichberger, INTEC GmbH
- 10.45 **Working with SIMPACK 8.9 and Beyond**
Wolfgang Trautenberg, INTEC GmbH
- 11.45 **Coffee Break**
- 12.15 **SIMPACK Application Areas**
Steven Mulski, INTEC GmbH
- 12.25 **New Developments in SIMPACK Automotive and Engine**
Marcus Schittenhelm, INTEC GmbH
- 12.45 **New Developments in SIMPACK Rail**
Christoph Weidemann, INTEC GmbH
- 13.05 **Graphical Representation of Stresses in SIMPACK's Postprocessor**
Stefan Dietz, INTEC GmbH
- 13.25 **Further Developments in SIMPACK Code Export**
Frank Kohlschmied, INTEC GmbH
- 13.45 **Lunch Break**
- 15.00 **Development of an Experimental and Test Environment for Vehicle Real-Time Simulations**
Gerd Bitsch, Fraunhofer-Institut
- 15.30 **User Orientated Simulation Strategy to Analyse Heavy Drive Trains in SIMPACK**
B. Schlecht, T. Rosenlöcher, M. Höfgen, University of Dresden
- 16.00 **An Investigation into Effects of Rolling Element Bearing Flexibility in a Wind Turbine Planetary Gearbox**
N. Ali Zaidi, R. Dorling, Romax Technology Limited, England
- 16.30 **Parameter-Excited Vibrations in Railway Vehicle Drives**
Erik Pflieger, Siemens AG, Automation and Drives
- 17.00 **Coffee Break**
- 17.30 **Structural Dynamic Optimisation of a V-10 Crankshaft**
Thomas Hinderer, BMW Group
- 18.00 **Calculation of Realistic Pressure Distribution in Human Hip Joint**
Valentin Keppler, University of Tübingen
- 18.30 **Simulation of Wind Turbine Structural Dynamics Affected by Turbulent Wind Fields and Controller Dynamics**
Stefan Hauptmann, University of Stuttgart
- 19.00 **Estimated End**
- 19.15 **Welcome at the POSEIDON**
Party Yacht, Rhine



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Wheel/Rail Session in the morning

- 9.00 **Multi-Body Simulation at the Deutsche Bahn AG TZF95**
Rolf Naumann, Deutsche Bahn AG
- 9.30 **SIMPACK Modelling in the AnsaldoBreda Wheel-Rail Engineering Process**
Dario Vannucci, Engineering department
AnsaldoBreda S.p.A.
- 10.00 **Enhancing Software Tools for Vehicle Dynamics and the Validation for Rail Vehicle Engineering**
Anton Stribersky, Siemens Transportation Systems
GmbH & Co. KG, Christoph Weidemann, INTEC GmbH
- 10.30 **Coffee Break**
- 11.00 **A Study on Prediction of Wear Progress of Railway Wheel**
Katsuya Tanifuji, Niigata University, Japan
- 11.30 **Investigation of the Risk for Rolling Contact Fatigue on Wheels of Different Passenger Trains**
Jakob Wingren, Bombardier Transportation
Centre of Competence for Vehicle Dynamics
- 12.00 **Application of SIMPACK Multi-Body System Analysis Software in Dynamics Analysis of Railway Freight Vehicle**
Yang Guangwu, Xiao Shoune, Jin Dingchang,
Southwest Jiaotong University, China
- 12.30 **Lunch Break**

Automotive Session in the morning

- 9.00 **SIMPACK Real-time Models for HiL Testing at DC Trucks**
Klaus Wüst, Daimler AG
- 9.30 **SIMPACK Automotive Lane Control Module**
Imre Boros, Daimler AG
- 10.00 **Research on Active Suspensions**
Harald Meyer-Tuve, University of Munich
- 10.30 **Coffee Break**
- 11.00 **SIMPACK Modelling Tool for Motorcycle Dynamics Simulation**
M. Beitelschmidt, V. Quarz, University of Dresden
- 11.30 **Real-Time SIMPACK Lookup Table Model for a Multi-Processor HiL-Testrig**
Uwe Heitz, ZF Friedrichshafen AG
- 12.00 **The ITFC control with an MBS Truck Test-rig**
B. Hertrampf, V. Mladek, MAN Nutzfahrzeuge AG, TESD
- 12.30 **Lunch Break**



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Afternoon Session

- 14.00 **Investigation of Dynamical Behaviour of a Slip Clutch**
Michael Weber, HILTI Entwicklungsgesellschaft mbH
- 14.30 **Utilization of the Polygonal Contact Model for the Simulations of Tiles Moving through a Kiln**
Michal Hajzman, SKODA, Czech Republic
- 15.00 **Coffee Break**
- 15.30 **Modelling and Simulation of a Hexapod Machine Tool for the Dynamic Stability Analysis of Milling Processes**
C. Henninger, P. Eberhard, University of Stuttgart
- 16.00 **Virtual Iteration for Set Up of Truck Cab Tests**
Nicolas Weigel, Daimler AG
- 16.30 **Conclusion**
Alex Eichberger, INTEC GmbH