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| | Keynotes | Bürgersaal 1 | | | | | | |
| 9:00 - 10:45 | Dr. Michael Hoffmann, Altair | <i>Welcome Address</i> | | | | | | |
| | James Scapa, Altair | <i>Altair's Company Vision</i> | | | | | | |
| | Christoph Gumbel, Porsche | <i>The Use of CAE in the Development of the Porsche Panamera</i> | | | | | | |
| | Marc Bocqué, PSA Peugeot Citroën | <i>Peugeot & the Automotive Industry: When Crisis Fuels Opportunities</i> | | | | | | |
| 10:45 - 11:15 | B R E A K | | | | | | | |
| 11:15 - 12:15 | Manfred Seiler, Eurocopter | <i>CAE Solutions as Central Strategic IM Service in Eurocopter Group</i> | | | | | | |
| | Gennaro Monacelli, CNH | <i>Virtual Product Development at Case New Holland</i> | | | | | | |
| 12:15 - 13:30 | L U N C H | | | | | | | |
| 13:30 - 15:10 | Session 1 | Optimization - Bürgersaal 1 | Session 2 | RADIOSS/Safety - Silchersaal | Session 3 | Development Process - Schubertsaal | Session 4 | Civil Engineering/Nuclear Engineering - Seminar Room 5 |
| | P. du Cauze de Nazelle, LMT-ENS Cachan, A. Hähnel, Renault | <i>Early Stage Design Optimization of an Automotive Crankshaft</i> | Axel Hänschke, Ford | <i>The CAE Driven Safety Development Process of the New Ford Fiesta</i> | Thomas Schmid, ForceFive | <i>Fast parametric concept model development with direct CAE interface to HyperMesh</i> | Sylvain Tholance, ATR Ingénierie | <i>Drop Test Behavior of a Low Radioactive Waste Package in Concrete.</i> |
| | Eric Hansenne, BOSAL Research | <i>CFD Analysis and Optimization of an Exhaust Component</i> | Robert Kant, FTSS | <i>Update of the FTSS RADIOSS Dummy Model Development Program</i> | Michael Hoarau, Sogeti | <i>Process & Data Management in a Structural Sizing Procedure</i> | Thomas Nierhaus, Evonik | <i>FEM-Applications in Nuclear Engineering: Container Drop Test Simulations</i> |
| | Torsten Bunge, Flender | <i>Optimization of a Planet Carrier</i> | Aleksandar Bach, Ford Research | <i>Efficient Coupling of Refined and Standard Meshes in Full Vehicle Crash Simulations</i> | Dámaso López Ruiz, Tecosim | <i>Effective CAE Process Using HyperWorks and TECOSIM Tools</i> | Dr. Charles Shahrokh Ghavamian, NECS | <i>Diagnosis of Civil Engineering Structures Under Severe Accidental Loading</i> |
| | Arnulf Deschler, ZF Friedrichshafen | <i>Topology Optimization of a Ship Gearbox Housing for Catamarans</i> | Dr. Dmitri Fokin, Altair | <i>Airbag Folding Using RADIOSS Pre-simulation</i> | Axel Werkhausen, MagnaPowertrain | <i>Latest Improvements in FEMFAT to Simulate Reality</i> | Asbjørn Søndergaard, Aarhus School of Architecture | <i>Topology Optimized Concrete Structures</i> |
| | Peter Hougardy, Audi AG | <i>Topology Optimization of Engine and Gearbox Mount Castings</i> | Robert Raulf, HBPO | <i>Nonlinear Optimization of a Child Head Impact Using HyperStudy</i> | Peter Heyes, Stephan Vervoort, Jeff Mentley, HBM | <i>Customisation of nCode DesignLife to Model Fatigue of Engineered Polymers</i> | Axel Grischow, Hochschule der Künste Bremen | <i>3d Ornaments - Form Finding Strategies</i> |
| 15:10 - 15:40 | B R E A K | | | | | | | |
| 15:40 - 18:00 | Session 5 | Optimization - Bürgersaal 1 | Session 6 | RADIOSS/Safety - Silchersaal | Session 7 | Development Process - Schubertsaal | Session 8 | Manufacturing - Seminar Room 5 |
| | Maria Schmitt, Kirchhoff | <i>Optimization of Typical Kirchhoff Automotive Parts with OptiStruct</i> | Harold van Aken, Code Product Solutions BV | <i>Glass Fiber Reinforced Structural Components for a Group 1 Child Seat</i> | René Henn, RWTH Aachen | <i>Application of Results from CFD-Simulations on a Race Car</i> | Mehdi Ben Tahar, Alcan | <i>ALCAN Experience with HyperXtrude 9.0 and 10.0</i> |
| | Dr. Ronaldo F. Nunes, Daimler AG | <i>Optimization of Brakes Systems</i> | Jerome Coulton, Hyundai | <i>Assessment of Full Width Deformable Barrier Test and CAE Simulations</i> | Eiichiro Uchida, Software Cradle | <i>Applications of CFD Using SC/Tetra in the Engineering Industries</i> | Tore Holene, Isringhausen | <i>Use of One Step Forming Simulation in Early Development Phases</i> |
| | Manuel Henner, Valeo | <i>Fan System Design and Performances Prediction Through Optimization Process</i> | Mark Gevers, Tecosim, Robert Schilling, FORD Werke GmbH | <i>Modeling of Laminated Glass for Safety Simulation in RADIOSS</i> | Farzin Shakib, Acusim | <i>AcuSolve(TM): High Fidelity CFD Solutions and Fluid Structure Interaction Simulation</i> | Heiko Baum, Fluidon | <i>CAE Driven Design of Forging Presses</i> |
| | Martin Risberg, Swerea | <i>Topology Optimization of Castings</i> | Kamila Flidrova, PSA Peugeot Citroën | <i>Reduction of Finite Element Models for Explicit Car Crash Simulations</i> | Dr. Armin Veitl, Altair, Dr. Alexander Dohn, CERAMTEC AG | <i>CAE Based Development Methods for Thermal Management of LEDs</i> | Roberto D'Aria, Altair Engineering | <i>Optimization for Fixed Crossbeam in Hydraulic Press</i> |
| | Danilo Col, MERIDIAN MAGNESIUM FOUNDRIES | <i>Cost Savings on Magnesium Die-Casting Concept Using OptiStruct</i> | Alexandre Mugnai, TASS | <i>MADYMO and RADIOSS, The Strength of a Combined Approach</i> | Benjamin Nerstheimer, HME | <i>Symbiotic Combination of HyperWorks with Code Aster</i> | Aurore Claverie, Mecaplast | <i>Use of HyperForm for Plastic Products : Comp. HyperForm One Step/HyperForm INCREMENTAL</i> |
| | Dr. Dennis Schwerzler, Altair Engineering | <i>Solving NVH Optimization Problems Assisted by HyperWorks</i> | Fabien Breda, PSA | <i>III FTSS testing in PSA model</i> | Glen Skimming, Sun | <i>Sun Business Ready Solution for HyperWorks</i> | Marcello Ostorero, Bottero | <i>Mould Opening and Closing Mechanism Development Using HyperWorks</i> |
| | | | Karine Thorat Pierre, Cedrem | <i>3D Fabric Modelling with HyperWorks for Impact Field</i> | Dr. Paul Batten, Metacomp | <i>CFD applications using CFD++</i> | | |

Agenda EHTC 2009, Wednesday, November 4th, 2009



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| | Keynotes | Bürgersaal 1 | | | | | | |
| 9:00 - 10:30 | Dr. Uwe Schramm, Altair | <i>Altair's Product Direction - HyperWorks Vision</i> | | | | | | |
| | Massimo Fariello, Altair | <i>HyperWorks Enterprise</i> | | | | | | |
| | Laurent DiValentin, PSA Peugeot Citroën | <i>Development Process to Assure Five Star Crash Ratings</i> | | | | | | |
| 10:30 - 11:00 | B R E A K | | | | | | | |
| 11:00 - 13:00 | Session 9 | Optimization - Bürgersaal 1 | Session 10 | RADIOSS/Safety - Silchersaal | Session 11 | Aerospace - Schubertsaal | Session 12 | Development Process - Seminar Room 5 |
| | Anthony Hähnel, Renault | <i>Lessons learnt from Deploying Optimization Methodologies for Different Operational Units</i> | M. Montava, et al. Hopital Nord AP-HM | <i>Numerical Tools Dedicated to Biomedical Applications and Virtual Traumatology</i> | Jeff Brennan, Altair Engineering | <i>A Comprehensive Process for Composite Design Optimisation</i> | Teresa Primo, University of Salento, Antonio Caruso, AgustaWestland | <i>Non conventional Metalforming Processes Automation</i> |
| | Peter Seggewiß, Pierburg GmbH | <i>Introduction and First Experiences with Optimization Tools Within Pierburg</i> | Matthias Schneider, Mannesmann Salzgitter Forschung | <i>Identification of a GTN Damage Model Parameter set Using HyperStudy</i> | Francesca Bianchi, Agusta Westland | <i>Bird Strike Simulations with RADIOSS on AW Helicopter Blade and Rotor Controls</i> | Eric Padiolleau, CETIM / Valeo | <i>Customer Usage Tracking in a Shared Simulation Infrastructure</i> |
| | Carsten Höfer, Hyundai | <i>Improved Development Approach Using Fast Concept Modeling and Optimization</i> | Roger Assaker, Thibault Villette, e-xstream | <i>Multi-Scale Modeling of Reinforced Plastic Parts with Digimat to RADIOSS</i> | Paolo Peraudo, Avio, Politecnico di Torino | <i>Aeroengine's Component Optimization through Mesh Morphing Approach</i> | Rocco Cappiello, Synopsis Consulting | <i>Product Cost Tracking and Analysis</i> |
| | Peter Lohmberg, Luis Höks, Tedrive | <i>Optimization Within the Product Development Process at Tedrive</i> | Virginie Astier, V. Garitey, Frédéric Mouret, Protomed | <i>Use of Airbag Modelling to Cardiovascular Development</i> | Nicolas Kawaski, Sogeti | <i>Topological Optimisation of Satellites Structures</i> | Massimo Bertoletti, Marco Bosisio, A.t.i.e. Uno Informatica | <i>Extrusion Analysis Intelligence</i> |
| | David Funke, Imperia | <i>Topology Optimization of a Steel-Aluminium-Hybrid for an Automotive Body Structure</i> | Hartmuth Chladek, Inprosim | <i>Material Model for Deformation and Failure of Cast Iron for High-Speed Impacts</i> | Heiko Beck, Ingenieurbüro Huß und Feickert | <i>Simulation of Containment-Tests of Fast-Spinning Rotors With RADIOSS</i> | Dr. Burkhard Göttlicher, Emcon Technologies GmbH | <i>Automated Report Generation for Frequency Response Analysis of Exhaust Systems</i> |
| | Miodrag Conic, Volkswagen AG | <i>Topology Optimization of a Concept Car Body in the Early Design Phase</i> | | | Markus Schemat, Altair, Jörg Löffler, Eurocopter | <i>Optimization Driven Design Process of a Composite Helicopter Structure</i> | Dr. Philipp Heinzl, Thomas Grausgruber, Siemens Transportation | <i>Advanced Preprocessing for Weld Fatigue Analysis</i> |
| 13:00 - 14:15 | L U N C H | | | | | | | |
| 14.15 - 16:15 | Session 13 | Development Process - Bürgersaal 1 | Session 14 | RADIOSS/Safety - Silchersaal | Session 15 | Composites - Schubertsaal | Session 16 | Multibody Dynamics - Seminar Room 5 |
| | Adrian Chapple, Thyssen Krupp Tallent | <i>Evolutionary Design in Chassis Technology</i> | Gaëtan Hanen, Inrets | <i>Head Impacts of Standing Passengers in Rail Transports</i> | Andrea Avaldi, Abstructures | <i>Efficient Carbon Composite Design for Sailing Boat Structures</i> | Dr. Michael Gipser, Gerald Hofmann, Cosin Scientific Software | <i>New High Performance Stiff and Deformable Digital Roads for FTire</i> |
| | Norbert Helmecke, Daimler AG | <i>From Drawings to Topology Optimization - Development Process Evolution at Daimler</i> | Dr. Michel Arrigoni, Ensieta | <i>Numerical Simulation of Edge Effects of Gas Gun Experiments</i> | Dr. Christoph Katzenschwanz, ACENTISS GmbH | <i>Structural Development and Optimization of Wind Power Plants Rotor Blades</i> | Arnaud Paire, Sokaris Ingénierie Rhône-Alpes | <i>Development of a Sequential Shifter for a Racing Automotive Gearbox</i> |
| | Oscar Brocades Zaalberg, BPO | <i>Development/Optimization of Plastic Products</i> | Jérémie Peres, Inrets | <i>Pregnant Woman Model to Understand Injury Mechanisms in Case of Frontal Impact</i> | Frank Braymand, L&L Products | <i>Improved Physical Property Prediction of Short Fiber Reinforced Polyamide</i> | Frank Harmeling, Karl Mayer | <i>Optimization of Fast-Moving, Highly Precise Mechanisms</i> |
| | Dr. Volker Schulze; Dr. Jürgen Bruns, Volkswagen Group | <i>Volkswagen's Needs for Future FE Modell Creation Strategies for NVH and Crash Applications</i> | Sebastien Roth, Univ. de Technologie de Belfort Montbeliard | <i>Influence of Mesh Density on a Finite Element Model Submitted to Dynamic Loading</i> | Markus Longeru, Sogeti | <i>HyperWorks in the Analysis and Optimization of Composite Structures</i> | Dirk Bordiehn, Volkswagen Motorsport | <i>Vertical Dynamics of an Offroad Racecar</i> |
| | Rolf Klamann, Continental Teves | <i>Optimization of Passenger Car Brake Systems by Stress Analysis</i> | Issmaïl Meskin, Valeo | <i>A methodology for sizing pedestrian protection absorbers in sub-systems</i> | B. Wiedemann, Altair, S. Menzel, Volkswagen Group Research | <i>Optimization of a Fiber Composite B-Pillar</i> | Steen Cosmus Thaning, MAN Diesel | <i>Oil Bearing Calculations in Ship Diesel Engines Using MotionSolve</i> |
| | Guillaume Laurent, Jérôme Naturel, Thyssen Krupp Sofedit | <i>Concept Evaluation and Optimisation Tool for Rear Twist Beam Axle</i> | | | Andrea Mura, Politecnico di Torino | <i>Dynamic Response of Structures with Viscoelastic Cover</i> | Christian Prettenthaler, virtual vehicle | <i>Development of a MotionSolve Integrated Driver Model</i> |
| 16:15 - 16:30 | Dr. Michael Hoffmann | <i>Closing Remarks - Bürgersaal 1</i> | | | | | | |