

Agenda EHTC 2009, Tuesday, November 3rd, 2009



	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>HIII 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



	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 Capiello, 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>						