



MSC Software's 2007 Americas VPD Conference
Gaining Competitive Advantage through Engineering Productivity

Wednesday - October 10, 2007					
6:00 PM - 10:00 PM	Welcome Reception [Renaissance Foyer]				
	Registration and Partner Solutions Expo				
Thursday - October 11, 2007					
7:00 AM - 8:00 AM	Breakfast [Renaissance Foyer]				
	Registration and Partner Solutions Expo				
Keynote Speakers [Renaissance Ballroom]					
8:00 AM - 9:50 AM	Welcome Introduction - John Howaniec, Sr. Vice President, Americas Operations, MSC Software Corporation				
	William Weyand, Chairman & Chief Executive Officer, MSC Software Corporation - MSC, The Proven Leader				
	Dr. Reza Sadeghi, Sr. Vice President and Chief Technology Officer, MSC Software Corporation - Engineering Tools to MD Solutions: Enabling Productivity for a Competitive Advantage				
	Thomas J. Lange, Director, Corporate R&D Modeling and Simulation, The Procter & Gamble Company -				
	Peter Robison, IBM Sales & Distribution, Industrial Sector, Director of Automotive PLM Solutions, IBM Corporation - Innovation in PLM: Beyond Boundaries				
9:50 AM - 10:20 AM	Break [Renaissance Foyer]				
	Registration and Partner Solutions Expo				
Keynote Speakers [Renaissance Ballroom]					
10:20 AM - 12:30 PM	Glenn Wienkoop, President, Chief Operating Officer, MSC Software Corporation - Path Forward for Innovation				
	Cliff Hutton, Manager, Simulation Based Design Development, Whirlpool Corporation - Simulation Driven Design for the Appliance Industry				
	Doug Peterson, Sr. Vice President, Product Development, MSC Software Corporation - Enabling Path Forward to SimEnterprise				
	Thomas C. Tecco, Global Director, Computer-Aided Engineering, Electrical and Test Systems, General Motors Corporation -				
12:30 PM - 1:30 PM	Lunch [Renaissance Foyer]				
	Registration and Partner Solutions Expo				
Users Break-Out Sessions					
1:30 PM - 3:30 PM	Customer Track Structural Simulation I	Customer Track Motion & Control	Customer Track Multi-Discipline I	University Track	
	Session Chair: Mike Ripp Room: Columbus	Session Chair: Tim Gartland Room: Cartier	Session Chair: Doug Gagne Room: Cabot	Session Chair: Jim Ryan Room: Nicolet	
	2007-03: Baker Oil Tools - Review of the Application of FEA to the Development of WL and Premier Packers	2007-01: University of Toronto - Virtual Prototype Development and Simulations of a Tracked Hybrid Mobile Robot	2007-30: University of Missouri-Rolla - Advances in Heavy Mining Machinery Research at UMR	2007-51 - Brigham Young University - Participating in Global Collaborative PACE Projects	
	2007-08: Spirit AeroSystems / MSC Software - Fastener Modeling for Joining Parts Modeled by Shell and Solid Elements	2007-02: University of Wisconsin, Madison / MSC Software - A Co-Simulation Environment for Virtual Prototyping of Ground Vehicles	2007-21: Embraer / ITA - Post Buckling of Composite Panels Subjected to Thermal Residual Stresses	2007-42: University of Kansas - Strategic Alignment of Teaching and Research Enabled Through Virtual Product Development	
	2007-16: Dura Automotive Systems - Sliders Effect on Shift Effort in an Automatic Transmission (ATX) Floor Shifter	2007-04: ITESM / INPG - Advanced Control Techniques for Active Suspension	2007-07: Eaton Corporation - Change of Variable Formula Method for Predicting Response Probability Density Functions	2007-45: University of Michigan-Ann Arbor - Teaching Electro Mechanical Systems Design with Adams	
	2007-17: L-3 Communications Integrated Systems - Flutter Analysis for the SOFIA Modification of a 747SP Airplane	2007-05: Pratt & Miller Engineering - Dynamic Correlation of Quasi-static Loads for a Military Trailer	2007-12: ASC Incorporated - MultiDiscipline Convertible Top Seal Analysis	2007-48 - San Diego State University - Simulation Science and Distance Learning	
	2007-24: Chrysler No. America - Tip-in Driveline Clunk Simulation for Manual Transmission Vehicle Using MSC.Nastran	2007-32: Ford Motor Company - Adams Modeling Tool Development of OHV Pushrod Bridged Valve Train	2007-23: Energizer Battery - Application of Marc to Seal Design and the Combination of FEA Modeling with Variation Analysis Using Monte Carlo Simulation	2007-44: Oakland University - Projects for Mechanics of Metal Forming Courses: A Look at User Subroutines for Formability Assessment	
	2007-53 - University of California, Berkeley - Blast Analysis of Typical Steel Bridge Decks Using MD Nastran, Dytran, and Patran		2007-55: Microsoft - Microsoft's HPC Solutions and MSC Software: Enhancing Engineering Productivity	2007-25: Purdue University /Beihang University, Beijing - Application of Adams in the Course of the Theory of Machines and Mechanisms	
	3:30 PM - 4:00 PM	Break [Renaissance Foyer]			
		Registration and Partner Solutions Expo			
4:00 PM - 6:00 PM	Customer Track Structural Simulation II	Customer Track Multi-Discipline II	Customer Track Simulation Process Management	University/Education Session	
	Session Chair: Mike Grossen Room: Columbus	Session Chair: Marinos Stylianou Room: Cartier	Session Chair: Stuart Wright Room: Cabot	Session Chair: Jim Ryan Room: Nicolet	
	2007-27: Hanyang University, South Korea - Dynamic Response Structural Optimization Using Equivalent Static Loads	2007-28: Hyundai Motor Company, Korea - The Study of Strength Analysis About Linear System Using MD Nastran (SOL600)	2007-13: General Dynamics Land Systems - Simulation Process and Data Management	2007-14: University of Texas El Paso - Using Adams To Produce Learning Moments	
	2007-29: Summitech Engineering - Virtual Automotive Product Development Using Frequency Domain Simulation Techniques	2007-33: TRW / MSC Software Corporation - Dytran Simulations for Fluid-Structure Interaction Problems in Internal Flows	2007-15: MSC Software - Engineering Simulation Process Automation Using Templating and Common Data Model Capabilities of SimXpert - An Example of	2007-47: US Air Force Academy - Finite Element Analysis from Theory to Practice; Building a Solid Foundation	
	2007-35: Ford Motor Company / MSC Software - The Impact of Residual Vector Augmentation on Powertrain NV	2007-38: Ford Motor Company - CAE Driven Body Durability and Upfront Structure	2007-22: Kimberly-Clark Corporation - The SimManager Edge for Improved Diaper Design	2007-41: University of Michigan-Dearborn - FEA Application in Vehicle Structure Design	
	2007-37: Tenneco - Application of Virtual Rig Simulation in the Exhaust System Development	2007-39: Mississippi State University - On the Coupling of MSC Nastran and a Multiscale Material Model For Probabilistic Sensitivity Analysis	2007-43: General Motors Corporation - Integration of a Material Properties Database with the Global Enterprise	2007-40: Auburn University - Virtual Prototyping Embedded in the Capstone Design Process	
	2007-26: IBM - Nastran Performance Metrics That Matter	2007-31: Biomechanics Research Group / MSC Software - Human Joint Simulation Using LifeMOD Co-Simulation	2007-18: SGI - Solving Large Problems on Large Computer Systems	2007-50: Walla Walla University - Integration of Analysis Tools in Design Courses: Lessons Learned	
		2007-49: Deere & Company - Validation of a CAA Formulation Based on Lighthill's Analogy for Industrial Rotating Noise Sources	2007-52: MSC Software - Simulation Based Design Processes for CFD Using Abstract Modeling		
	6:00 PM - 10:30 PM	Casino Night Celebration [GM World]			

Friday, October 12, 2007				
7:00 AM - 8:00 AM	Breakfast [Renaissance Foyer]			
	Registration and Partner Solutions Expo			
Partner & MSC Keynotes [Renaissance Ballroom]				
8:00 AM - 10:00 AM	Welcome Remarks - John Howaniec, Sr. Vice President, Americas Operations MSC Software Corporation			
	Dr. David E. Cole, Chairman Center for Automotive Research (CAR) - The Future Auto World: Round or Flat?			
	Brian J. Cox, Vice President, North America PLM Business Development and Operations INCAT - Your Partner for the Simulation Enterprise			
	Knute Christensen, Partner, Solution & Segment Marketing Manager, High Performance Computing Division Hewlett-Packard Company - HPC in CAE: Trends, Paradoxes and Solutions			
	Tejas Karmarkar, Solution Specialist Microsoft - Microsoft and MSC in Manufacturing			
	Marcel Staniak, Senior Vehicle Dynamics Engineer Newman Haas Lanigan Racing - Enterprise View of Developing a New Championship-Winning Race Car			
10:00 AM - 10:30 AM	Break [Renaissance Foyer]			
	Registration and Partner Solutions Expo			
MSC Technology Sessions				
10:30 AM - 11:40 AM	MSC Presentation Track Enterprise Simulation Management Session Chair: Ted Pawela Room: Columbus	MSC Presentation Track Recent Advances in MSC Simulation Capabilities Session Chair: Doug Brennan Room: Cabot	MSC Presentation Track Path Forward to MD Solutions Session Chair: Doug Gagne Room: Cartier	MSC Presentation Track SimOffice: Accessible Mainstream Analysis Session Chair: Dave Johnson Room: Nicolet
	Simulation Data Management	Motion Solutions	Path Forward to MD – Applications of Chaining and Contact	SimOffice: Meeting the CAE Challenge
	Simulation Process Management & Automation	Structures Solutions	Path Forward to MD – Durability of Composites	
11:40 AM - 11:50 AM	Break			
11:50 AM - 1:00 PM	MSC Presentation Track Enterprise Simulation Management (cont.) Session Chair: Ted Pawela Room: Columbus	MSC Presentation Track Recent Advances in MSC Simulation Capabilities (cont.) Session Chair: Doug Brennan Room: Cabot	MSC Presentation Track Path Forward to MD Solutions (cont.) Session Chair: Doug Gagne Room: Cartier	MSC Presentation Track SimOffice: Accessible Mainstream Analysis Session Chair: Dave Johnson Room: Nicolet
	Integrating CAE in the Engineering Enterprise	Nonlinear Solutions	Path Forward to MD – Noise and Vibration (N&V) and Acoustics	SimOffice: The Real World
	Materials Data Management	Coupled Analysis Solutions	HP/Intel - Power Consumption with NASTRAN on HP Proliant servers with Intel processors	
1:00 PM - 2:00 PM	Lunch [Renaissance Foyer]			