



**Smarter to Market™  
Solutions Gallery**  
A complete functional  
virtual prototyping solution  
can combine multiple  
CAD/CAM/CAE  
technologies integrated with  
ADAMS. Look for these  
industry leaders' products,  
as well as others, to be  
demonstrated:

**CAD**  
Autodesk  
SDRC  
Unigraphics  
UG/Solid Edge  
SolidWorks

**CONTROLS**  
WindRiver MATRIXx

**DURABILITY**  
MTS  
nCode

**FEA**  
ANSYS  
MSC.Software

**HUMAN MODELING**  
FIGURE Toolkit

**TIRE**  
TNO Delft-Tyre

**CONTACTS**  
The Virtual Model Shop

**LANDING GEAR**  
ADAMS/LGT

**HARDWARE SHOWCASE**  
Hewlett-Packard  
IBM  
SGI  
Sun

The final list of exhibitors and  
demonstrated products is  
subject to change.

	SUNDAY, JUNE 18, 2000	MONDAY, JUNE 19, 2000	TUESDAY, JUNE 20, 2000	WEDNESDAY, JUNE 21, 2000
7:00 am	<div>Get it Straight from the People Who Know ADAMS Best</div> <div>Do you need specific ADAMS know-how to help you do your job better? Here's your chance to get the answers directly from the top ADAMS experts— the developers themselves. You can use your open time at the conference to schedule one-on-one Q&amp;A sessions in your critical areas of interest.</div>	Registration and Continental Breakfast		Registration and Continental Breakfast
8:00 am		<div>CONFERENCE WELCOME</div> <div>Opening Remarks Keynote: CAD/CAM/CAE Industry Trends Smarter to Market™ with The Functional Virtual Prototype Lawboys, Amazon.com, and MDI</div> <div>Michael Korybalski, Mechanical Dynamics, Inc. Bruce Jenkins, Daratech, Inc. Robert Ryan, Mechanical Dynamics, Inc. Bob Shaff, Customers for Life Consulting</div>	<div>ADAMS OVERVIEW &amp; DIRECTION</div> <div>ADAMS Overview &amp; Release Plans Industry-Specific Solutions: - ADAMS/Car, ADAMS/Pre, ADAMS/Engine, ADAMS/Driver - ADAMS/Landing Gear Web-Based Functional Collaboration - ADAMS/Insight and Rapid Simulation - DOE Applied to Racecar Dynamics</div> <div>D. Peterson, MDI M. Hoffmann, MDI M. Hoffmann, MDI D. Hargett, S. Koerner, MDI L. Bishop, MDI</div> <div>Dynamic Designer for Resellers Briefing and Breakout Meetings</div>	<div>ADAMS EXPANSION</div> <div>ADAMS Product Direction &amp; Expansion Integration of Virtual and Physical Prototype Test ing Combining Durability with Multibody Dynamics ADAMS/Vibration Capabilities for Release 11 and Beyond</div> <div>D. Peterson, MDI B. Bigot, MTS M. Pompetzki, nCode G. Ferrarotti, MDI</div>
9:45 am		Morning Break		Morning Break
10:00 am		<div>AUTOMOTIVE</div> <div>Suspension Design Using Empirical Dynamics Method™ A. Barber, MTS Generating Full-Vehicle Models M. Kietlsch, Volkswagen Improving Steering Feel and Effort S. Essma, Newman/Haas Racing Hardware-in-the-Loop M. Hoffmann, MDI; A. Schmidt, IPG</div> <div>AEROSPACE / AIRCRAFT</div> <div>Integrated Landing Gear System H. Zhang, J. Ning, O. Schmeltzer; Messier-Dowty SOFIA Partial External Door System J. McConville, MDI; T. Arthur, Raytheon Tire Model for Landing Gear Dynamics N. Lindsley, USAF; N. Talekar, MDI IDEAS Mechanism Design J. Melton, United Space Alliance</div> <div>Dynamic Designer for Autodesk Hands-On Training Customers for Life (Customer Feedback) J. Ryan, MDI</div>	<div>AUTOMOTIVE</div> <div>Stick-Slip Friction Between Steering Shafts Y. Rui, D. Wang; Ford CVT Shift and Park Mechanism Using ADAMS and CATIA S. Sui, J. Hirschey; DaimlerChrysler Advanced Vehicle Evaluation K. Wipke, NREL Suspension Design Using DOE K. Motoyama, T. Yamanaka; MDI</div> <div>GENERAL / AEROSPACE</div> <div>Flight Behavior of Mine Countermeasure G. Prybyla, D. Tassia; NSWC Cable-Driven Flexible Manipulators S. Slagowski, GreyPigtrm; C. Potter, AST Nano Rover Solar Sail Dynamics M. Johnson, G. Levanas, JPL; B. Balachandra, S. Haase, Swales Missile Ejection System Simulation J. Yu, W. Guo; Beijing University</div> <div>Dynamic Designer for SolidWorks Hands-On Training Dynamic Designer for Solid Edge Hands-On Training</div>	<div>ONE ON ONE EXHIBITS</div>
12:00 pm		Lunch Sponsored by Sun Microsystems		Conference Close and Wrap-up
1:15 pm		<div>AUTOMOTIVE</div> <div>Theme Park Applications A. Riepl, M. Schmid, W. Reinalter; Steyr-Daimler-Puch Fahrzeugtechnik Stress Variation of Rzeppa Joint (Durability) J. Song, Delphi Automotive Instrumented Vehicle Testing G. Wheeler, A. Mantrala, S. Ashmore, H. Hodges; NATC Large-Scale Vehicle Using ADAMS/Flex S. Natsiavas, Aristotle University; M. Hache, Volkswagen</div> <div>MACHINERY</div> <div>Theme Park Applications G. Cook, Cook Engineering Oscillations in Locomotive Drives S. Müller, R. Kögel, ABB/Adtranz Vibration Control of Excavator G. Ding, Z. Qian, P. Feng, S. Pan; Zhejiang University Ride Analysis of Tractor-Trailer G. Schade, International Truck; S. Hamill, MDI</div> <div>HP Showcase Presentation Dynamic Designer for Solid Edge Hands-On Training IBM Showcase Presentation Dynamic Designer for SolidWorks Hands-On Training</div>	<div>AUTOMOTIVE</div> <div>Truck Seat Modeling K. Hix, International Truck; S. Ziemba, L. Schoof, MDI Automotive Open Air Systems Using CATIADAMS C. Dilluvio, ASC Aerodynamic Forces on Car Handling A. Zasso, Politecnico di Milano Predicting Service Life of Transit Bus G. Ashdown, Orion Bus; J. Sharp, S. McLellan, D. Nelson, MDI</div> <div>AEROSPACE</div> <div>Solar Thermal Propulsion Controls S. Wassom, Thiokol Propulsion Solar Array Deployment Dynamics B. Lakshmi narayana, B.P. Nagarajand, B.S. Nataraju; ISRO Satellite Novel Method of Building Parameterized Models W. Guo, J. Yu; Beijing University Control Analysis of Mars Orbiter S. Linch, Lockheed Martin; W. Daniel, MDI</div> <div>Dynamic Designer for Autodesk Hands-On Training Co-Simulation Interface for ADAMS/Solver A. Elliott, MDI</div>	<div>ONE ON ONE EXHIBITS</div>
3:15 pm		Afternoon Break		<div>Optional Post-Conference ADAMS Training</div> <div>Thursday, June 22</div> <div>7:00-8:00am . . . . . Registration</div> <div>8:00am-12:00pm. . . . ADAMS Sneak Peek—New and Coming Capabilities (1/2 day lecture)</div> <div>8:00am-5:00pm. . . . . Interfacing ADAMS and FEA (first day of 2-day course)</div> <div>Friday, June 23</div> <div>7:00-8:00am . . . . . Registration</div> <div>8:00am-5:00pm. . . . . ADAMS Theory—Debugging</div> <div>8:00am-5:00pm. . . . . Interfacing ADAMS and FEA (second day of 2-day course)</div> <div>For complete class descriptions, please visit <a href="http://support.adams.com/training/nrth_us.html">http://support.adams.com/training/nrth_us.html</a>.</div> <div>Use the registration form at right, or our online form, to reserve your place. Hurry! Class sizes are limited.</div>
3:30 pm		<div>AUTO / TIRE / RUBBER</div> <div>Tire Model for Vehicle Handling T. Renner, MTS SWIFT-Tyre Model for Ride and Handling Studies J. van Oosten, H. Pacejka; TNO Disc Brake Creep Groan J. Xu, TRW Automotive Vehicle Suspension Rubber Component (NVH) W. Wenzhan, Y. Lin, L. Wang; Jilin University</div> <div>MACHINERY / CAD-EMBEDDED</div> <div>Modeling Impact Dynamics S. Falk, Square D; H. Witteman, Schneider Electric Spring/Damper System for Contacts M. Groff, Square D/Schneider Electric 3D Contact Tips S. McDonald, Virtual Model Shop Pipeline Dynamic Pig P. Laursen, Pipetronix; J. Liu, D. Fredriksson, MDI</div> <div>Co-Simulation Interface for ADAMS/Solver A. Elliott, MDI SolidWorks Showcase Presentation</div>	<div>AUTOMOTIVE / ENGINE</div> <div>Double Offset CV Joint Analysis P. Klevann, Dana Corp.; J. Park, MDI Engine Crankshaft System Simulation S. Hwang, J. Chen, Ford; Y. Jiang, MDI Motorcycle Crankshaft Behavior T. Niino, Honda Crankshaft Stress Calculation P. Kley, Martin Rebbert, FEV</div> <div>MACHINERY / CAD-EMBEDDED</div> <div>Enhanced Slider Mechanism N. Shareef, Bayer Corp. Lathe Chuck for Turning Aluminum Wheels S. Emerson, Ward Machine Tool; S. Ziemba, MDI CAD-Embedded Mechanical Simulation P. Zeytoonian, Gillette Robot Assembly Analysis D. Young, Engineering Methods</div> <div>Customers for Life (Customer Feedback) J. Ryan, MDI</div>	<div>ONE ON ONE EXHIBITS</div>
5:30 pm		End of Conference's First Day		End of Conference's Second Day
6:30 pm	<div>Pre-Conference Registration Welcome Reception Sponsored by MTS Systems</div>	<div>Cocktail Reception and Dinner Planet Hollywood, Disney Marketplace Free to All Conference Attendees Prize Drawings, Plus One Free Ticket per Registrant for Your Choice of DisneyQuest or Pleasure Island Sponsored by Hewlett-Packard</div>		