



## **FOR IMMEDIATE RELEASE**

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## **CoMeT Solutions Launches Breakthrough Product for Multi-Solver Mechanical Assembly Simulations**

**CoMeT/StructuralDynamics enables multiple rigid/flexible body dynamic simulations and structural FEA with full CAD associativity in a single user environment.**

**Albuquerque — Sept. 25, 2006** — CoMeT Solutions, Inc. (CSI), a developer of software used to enable simulation-driven engineering, will launch its first product, CoMeT/StructuralDynamics™, at the Collaborative Product Development Associates (CPDA) PLM Roadmap™ Strategic Conference held September 27-28, 2006 in Dearborn, Mich.

CoMeT/StructuralDynamics enables users to simulate the performance of structures and mechanisms (both static and dynamic) using codes such as ADAMS for rigid and flexible Multi-Body Dynamic (MBD) simulations and ABAQUS, ANSYS and MSC.NASTRAN for Finite Element Analysis (FEA). With CoMeT, it is now possible to develop mechanical assembly simulations that are fully associative to the base CAD geometry – all within a single integrated simulation environment.

"CoMeT/StructuralDynamics allows us to work with a single model from the initial design clear through the end of analysis. It helps us keep track of design information and data files, which prevents errors and saves time," said Scott Anderson, principal engineer at Dana Corporation's commercial vehicle systems division.

"Our design process uses three models – one for Pro/ENGINEER, one for ANSYS, and one for ADAMS. When we go from one system to another, we have to recreate geometry, which is not only time-consuming, but also introduces the potential for errors," Anderson said. "As a beta user of CoMeT, we use Pro/ENGINEER as the starting point. We can then generate the ADAMS model through CoMeT, and it also creates the flex bodies for analysis in ANSYS, all with associativity to the Pro/ENGINEER model."

According to Malcolm Panthaki, CoMeT Solutions' chairman, founder, and chief technology officer, CoMeT/StructuralDynamics is the first release in CSI's line of products for dynamics simulation work. A line of products for optronics assembly simulation and a full suite of adaptors for both CAD and CAE systems are also forthcoming. "Our solutions enable companies to drive CAD designs with analysis results, enabling true simulation-driven engineering," Panthaki said. "We believe the Abstract Modeling capabilities in CoMeT/StructuralDynamics are groundbreaking by enabling engineers to capture simulation processes at a high level, before geometry is even

created. This will enable them to easily reuse engineering data across large changes to the design," Panthaki added. "Abstract Modeling will be a key driver of our customers' success as we move forward, along with CoMeT's common data model for CAE, the Universal Engineering Model (UEM™). Our UEM provides engineers with the ability to work with any CAD and any CAE code in a single integrated simulation environment."

"CoMeT's Abstract Modeling is a technology breakthrough that has tremendous potential," said Michel Vrinat, research director of Collaborative Product Development Associates, LLC. "Analysts will be able to execute multi-discipline studies using multiple simulation tools without re-entering data, and to synchronize design changes with simulation through an automated process. Simulation templates will be made available for non-experts, resulting in a wider use of simulation in product development, leading to better quality with less physical tests."

CoMeT/StructuralDynamics is available for immediate use by innovative companies seeking a significant competitive advantage through engineering analysis. CoMeT Solutions offers complementary services for product adoption and engineering process implementation to accelerate time to benefits for customers.

#### **About CoMeT Solutions, Inc.**

CoMeT Solutions, Inc. provides software-based solutions that enable virtual product engineering, a strategy increasingly employed by manufacturing companies to design better products rapidly and to replace costly physical prototype testing. CoMeT software provides an integrated simulation environment in which engineers can define and solve complex engineering problems and manage all related models, processes, and resulting simulation data. No other commercial CAE environment brings virtually any CAE and CAD application under a single user interface, while integrating design and analysis data using a common data model, the CoMeT Universal Engineering Model (UEM). CoMeT makes it possible for companies to achieve up-front analysis and a simulation-driven engineering process.

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