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## Acquisitions

### ***ANSYS and Ansoft Receive Early Termination of Hart-Scott-Rodino Act Waiting Period for Proposed Merger***

2 May 2008

ANSYS, Inc. announced that the U.S. Department of Justice and Federal Trade Commission have granted early termination of the Hart-Scott-Rodino (HSR) waiting period for ANSYS' proposed acquisition of Ansoft Corporation. ANSYS currently expects to close the acquisition in the second quarter of 2008.

As previously announced, ANSYS and [Ansoft](#) have entered into a definitive merger agreement in which

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ANSYS will acquire Ansoft for a purchase price of approximately \$832 million in a mix of cash and ANSYS common stock. Consummation of the transaction remains subject to customary closing conditions, including the approval of the Ansoft stockholders.

"We are very pleased that we have received notice of early termination and look forward to closing the transaction and implementing our plan," said Jim Cashman, president and CEO of ANSYS, Inc. "The combination of ANSYS and Ansoft will create substantial benefits for our global customers, employees, partners and stockholders, through continued investment and development of innovative products and services, and our commitment to world-class execution."

"The [ANSYS](#) portfolio of engineering simulation technologies, when combined with Ansoft, will enhance our ability to deliver integration, functionality and interoperability to a broad set of customers and industries," said Nicholas Csendes, president and chief executive officer of Ansoft.

## Important Additional Information to be Filed with the SEC

In connection with the merger, ANSYS filed with the SEC a registration statement on Form S-4 (Registration No. 333-150435), which includes a preliminary prospectus/proxy statement of ANSYS and Ansoft and other relevant materials in connection with the proposed transactions. This material is not a substitute for the prospectus/proxy statement regarding the proposed transactions. Investors and security holders of ANSYS and Ansoft are urged to read the preliminary prospectus/proxy statement and the other relevant material and the final prospectus/proxy statement and the other relevant material when they become available because they contain important information about ANSYS, Ansoft and the proposed transaction. The prospectus/proxy statement and other relevant materials, and any and all documents filed by ANSYS or Ansoft with the SEC, may be obtained free of charge at the SEC's web site at <http://www.sec.gov>. In addition, investors and security holders may obtain free copies of the documents filed with the SEC by ANSYS by directing a written request to ANSYS, Inc., Southpointe, 275 Technology Drive, Canonsburg, Pennsylvania 15317, Attention: Investor Relations. Investors and security holders may obtain free copies of the documents filed with the SEC by Ansoft by directing a written request to Ansoft Corporation, 225 West Station Square Drive, Suite 200, Pittsburgh, PA 15219, Attention: Investor Relations. **INVESTORS AND SECURITY HOLDERS ARE URGED TO READ THE PROSPECTUS/PROXY STATEMENT AND THE OTHER RELEVANT MATERIALS BEFORE MAKING ANY VOTING OR INVESTMENT DECISION WITH RESPECT TO THE PROPOSED TRANSACTIONS**

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## ***Autodesk Announces Intent to Acquire Moldflow, Leading Provider of Injection Molding Simulation Software***

1 May 2008

Autodesk, Inc. announced that it has signed a definitive agreement to acquire Moldflow Corporation. The transaction will be structured as a cash tender offer for all the outstanding shares of Moldflow common stock, is subject to customary closing conditions including regulatory approvals, and is expected to close in the second calendar quarter of 2008.

This agreement demonstrates Autodesk's commitment to provide a comprehensive Digital Prototyping solution to manufacturers of all sizes, giving them the ability to optimize, validate and improve their designs earlier in the process. The acquisition will make analysis capabilities for plastics manufacturing available to manufacturers using Autodesk Digital Prototyping solution. Autodesk is committed to

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supporting Moldflow customers once the transaction is closed and integrating them into the Autodesk manufacturing community.

Autodesk will acquire Moldflow for \$22 per share, or approximately \$297 million, less the amount in Moldflow's cash balance at the time of closing and proceeds from options exercises. Headquartered in Framingham, Mass., Moldflow has research and development offices in Melbourne, Australia, and Ithaca, N.Y., as well as sales offices in various geographies around the world. Moldflow has 285 employees and reported revenues for its fiscal 2007 of \$55.9 million.

"Moldflow is a leader in computer integrated manufacturing and brings strong analysis and simulation capabilities to our Digital Prototyping solution," said Carl Bass, Autodesk president and CEO. "Their strong brand recognition will further enhance our leadership in Digital Prototyping by bringing best-of-class simulation and optimization into our portfolio. The products of Autodesk and Moldflow are very complementary, and combining our product lines will expand the product offerings available to Autodesk's customers."

"We see strong synergies between Moldflow and Autodesk and are very excited about this transaction," said Roland Thomas, president and CEO, Moldflow. "By combining Autodesk's and Moldflow's complementary product offerings, we can provide a wide and advanced range of software solutions to allow customers to address the challenges involved in the designing and manufacturing of injection molded plastic parts. The combined product capabilities for analysis and simulation will provide a fully optimized digital process for part design, tool design and part production, helping companies reduce their product development costs and increase their time to market."

The underlying strength of Autodesk's business remains strong. Absent the impact of this acquisition, the company is not changing any of its previously issued guidance.

## **Business Outlook**

Assuming the acquisition is completed in the second calendar quarter of 2008, Autodesk expects this transaction to be dilutive to its GAAP diluted earnings per share by between \$0.07 and \$0.08 in the second quarter of fiscal 2009. This transaction is expected to be dilutive to non-GAAP diluted earnings per share by between \$0.01 and \$0.02 in the second quarter of fiscal 2009. Non-GAAP diluted earnings per share excludes \$16 million of pre-tax write offs related to in-process research and development (IPR&D) and amortization of acquisition related intangibles.

This transaction is expected to decrease Autodesk's GAAP diluted earnings per share by approximately \$0.10 in fiscal 2009. On a combined basis, the company expects GAAP diluted earnings per share of between \$1.70 and \$1.80.

Autodesk expects no impact to non-GAAP diluted earnings per share for fiscal 2009. Moldflow's expected impact on Autodesk's non-GAAP diluted EPS excludes \$1 million in pre-tax stock-based compensation expenses and \$22 million of pre-tax write offs related to IPR&D and amortization of acquisition related intangibles.

## **Conference Call**

There will be an analyst and investor conference call conducted by management teams of both Autodesk and Moldflow to discuss the transaction, today at 5 p.m. EDT/2 p.m. PDT. An audio replay will be available until May 8 beginning at 7:00 pm EDT by dialing 888-286-8010 or 617-801-6888 (passcode: 87595405).

## **Additional Information**

The tender offer for the outstanding common stock of Moldflow Corporation has not yet commenced. This press release is for informational purposes only and is not an offer to buy or the solicitation of an offer to sell any securities. The solicitation and the offer to buy shares of Moldflow common stock will be made only pursuant to an offer to purchase and related materials that Autodesk intends to file with the SEC on Schedule TO. Moldflow also intends to file a solicitation/recommendation statement on Schedule 14D-9 with respect to the offer. Moldflow stockholders and other investors should read these materials carefully because they contain important information, including the terms and conditions of the offer. Moldflow stockholders and other investors will be able to obtain copies of these materials without charge from the SEC through the SEC's website at <http://www.sec.gov/>, from Autodesk (with respect to documents filed by Autodesk with the SEC), or from Moldflow (with respect to documents filed by Moldflow with the SEC). Stockholders and other investors are urged to read carefully those materials prior to making any decisions with respect to the offer.

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## **Company News**

### ***AIA EDIG Recommends PLCS***

28 April 2008

The Aerospace Industries Association (AIA) Engineering Data Interoperability Group (EDIG) recommends that AIA member companies and suppliers transition to a standards-based interoperability solution utilizing PLCS (ISO 10303-239) and its associated DEXs.

Across the aerospace industry, the need for efficient data exchange has never been greater. Aerospace companies have increasingly focused on the role of systems integrator, relying on partners and suppliers to provide significant portions of their aircraft designs. Meeting the requirement for integration and collaboration, however, has been costly and time-consuming given the disparate set of applications and methods typically employed presents. This White Paper summarizes the AIA Engineering Data Interoperability Group's activities, their related findings, and their recommendations.

Please download the [AIA Position Paper](#).

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### ***Cadence Partners with Brazilian Government TO Open Brazil's First IC Design Training Center***

27 April 2008

Cadence Design Systems, Inc. opened a new integrated circuit (IC) design training center in partnership with the government of Brazil. The IC Brazil Training Center—located in Porto Alegre, home to much of Brazil's high-tech industry—is the first such high-tech training center in the country, and the first of four planned between Cadence and the Brazilian government.

Opening a training center underscores Cadence's commitment to support and facilitate the development of Brazil's semiconductor industry. With the new center in place, Cadence expects to provide commercial IC design training to more than 1,500 local IC design engineers over the next three years to increase Brazil's electronic design automation (EDA) capabilities and serve a growing IC infrastructure

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in the country. Cadence is developing the curriculum, providing the initial training and training the trainers to make the program self-supporting. Brazil, in turn, is providing scholarships to qualified university graduates to receive the training and prepare themselves for high-technology careers.

"We selected [Cadence](#) to develop and implement their training program to provide design engineers that are needed for Brazil's growing semiconductor industry," said Dr. Sergio Machado Rezende, Brazil's minister of science and technology. "Cadence design capabilities provide end-to-end solutions for customers, and their training ensures that the graduates will be able to serve customers in Brazil as well as the multinational companies that we expect will expand their operations into Brazil."

"Opening a design center in Brazil is a reflection of the Cadence approach to emerging markets," said Mike Fister, president and CEO, Cadence. "We have been at the forefront of emerging markets in India, China and Russia, and our ability to implement training programs and help build infrastructure has been tested around the world. We see opportunities in Brazil's growing local consumer market and want to support Brazil's drive to develop a robust IC industry in their country."

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## ***Gerber Technology Extends Commitment to Training and Education with Launch of Gerber University***

25 April 2008

Gerber Technology, a business unit of Gerber Scientific, Inc., introduced Gerber University, an eLearning training option for Gerber customers. This web-based training curriculum is designed for experienced users who are looking to increase their proficiencies or to learn new features and functionalities of updated versions of Gerber's systems and software.

Gerber University allows users to maximize their educational experience while reducing costs, because they select, register, participate and complete the courses at their own convenience and pace. Each course includes a series of tutorials followed by a final exam that users must complete within 90 days.

"In today's workforce, we are facing ongoing budget and resource challenges that can interfere with a customer's ability to travel and participate in off-site training sessions," said Janell Copello, Supervisor, Software Product Services – Americas, for Gerber Technology. "Gerber recognizes the increasing importance of providing a convenient and customized educational resource to ensure our users maintain a competitive edge in the industry."

### **Gerber University Online Training**

Gerber University offers a variety of online training courses throughout the year that are self-paced tutorials with multiple lessons that focus on production planning, design, pattern development, costing and marker making.

Gerber is currently offering three online courses that focus on WebPDM™, AccuMark™ Standard Alterations and Data Conversions. The WebPDM course aims to help users better understand data tables and the WebPDM scheme. The course on AccuMark Standard Alterations helps users learn how to apply and verify alterations for apparel pattern pieces, and the Data Conversions course helps users to use the Data Conversion Utility to convert data easily to and from AccuMark. In addition, Gerber will be offering a fourth course on AccuNest™ which will be available to users at the end of April. The AccuNest course will cover the UltraQueue program, to help prioritize nesting jobs to get the most out of AccuNest. The cost per course ranges from \$200 to \$500.

## **Gerber Training**

Gerber offers a variety of software training, consulting and implementation services. These include instructor-led classes offered at Gerber Technology facilities worldwide, or at customer sites. Gerber University is currently available for North America, and in addition, the company offers product webinars. The webinars are short live feature seminars which are scheduled approximately every four to six weeks. The topics vary and each webinar lasts about two to three hours. Multiple customers can sign up for these sessions. The cost per webinar is \$80 a seat/session.

For more information on Gerber University and available courses please visit:  
<http://www.gerbertechnology.com/default.asp?contentID=410>.

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## ***GibbsCAM Presented to Gold Medal Winners of Skills USA 2008 California Competition***

1 May 2008

Gibbs and Associates announced that the SkillsUSA Competition team from the NTMA Norwalk & Ontario Facilities took home the Gold medals for CNC Mill and CNC Lathe categories from the SkillsUSA 2008 California State Competition held in Fresno, California on April 12th. This latest series of wins is a repeat of the team's exceptional performance at the California SkillsUSA Region 6 competition where they won all twelve medals, Gold, Silver and Bronze, across four categories – CNC Mill, CNC Lathe, Conventional Mill & Lathe, and Conventional Mill. In recognition of their Gold medal wins at the California State Competition, the students were presented with seats of [GibbsCAM](#) software.

“We are extremely proud of our students’ accomplishments,” stated Rick Kumler, Lead Instructor, NTMA Training Centers, Ontario Campus. “With the training they’ve received our students are ready to enter the workforce as extremely productive contributors. We look forward to competing at the national level at the SkillsUSA National Competition held Kansas City, MO in June.”

The group from the NTMA Norwalk & Ontario Facilities had two Gold medal winners in the categories of CNC Mill and CNC Lathe. Cynthia Moran won the Gold medal for CNC Lathe. James Kumler won the Gold medal for CNC Mill.

“Gibbs and Associates is proud to be an active part of these student’s future career aspirations,” commented Bill Gibbs, founder and president of Gibbs and Associates. “Without the youth of today becoming interested and trained we will not have a workforce of tomorrow. We wish each and every one of these students who participated in the Skills USA competition a very promising future in manufacturing. We are pleased to present them with a seat of GibbsCAM in recognition of their accomplishments”

For more information about the NTMA training facilities in Southern California, go to <http://www.trainingcenters.org>. For more information about SkillsUSA CA, go to <http://www.casusa.org>.

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## ***Magma Names EDA Veteran Bruce Eastman to Head Worldwide Sales***

30 April 2008

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Magma® Design Automation Inc. announced Bruce Eastman has joined the company as corporate vice president, Worldwide Sales. Eastman will report to Roy E. Jewell, Magma president and chief operating officer.

Eastman's EDA career began in sales management with ECAD, through that company's initial public offering and eventual merger with SDA to form Cadence Design Systems. While at Cadence, he served as vice president of Worldwide Major Accounts and Technology Partners. He later served as vice president of North America Sales for Quickturn Systems through its IPO, and as vice president of Sales for Avant! Corporation, which grew from \$2 million in revenue to more than \$50 million and went public during his tenure. Eastman later founded and was CEO of IT management company Comstock Systems, which was acquired by Hitachi Storage Software, where he also served as CEO. He holds a master's degree in business administration and a bachelor's degree from the University of Kansas.

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## ***Primavera® Celebrates 25 Years of Helping Customers Achieve Excellence in Project, Program and Portfolio Management***

1 May 2008

Primavera Systems, Inc., today celebrates the 25th anniversary of the company's founding by CEO Joel Koppelman and Executive Vice President Richard Faris. For a quarter of a century, Primavera has developed project, program and portfolio management software solutions that have helped organizations select, prioritize and manage more than \$6 trillion worth of projects.

As experienced project managers in 1983, both Koppelman and Faris quickly realized how the development of a strong planning and scheduling tool for the newly introduced IBM PC could transform project management software, which had previously only existed on a mainframe. Even though those first PCs had less memory than most modern cell phones, Koppelman and Faris were able to build a solution for this platform that revolutionized project management. For the first time, a wide variety of project managers had on-line, real time access to powerful scheduling capabilities that enabled them to plan and monitor the progress of large, complex projects from beginning to end and ensure those projects were delivered on time and on-budget.

As customers and their needs have grown, so have Primavera's solutions, evolving today into Web-based solutions that interoperate with standard IT infrastructure platforms. They enable project participants to address important issues regarding the selection of strategic initiatives, project execution, resources, risk mitigation, change and cost. Because projects are global, Primavera lets thousands of people to collaborate, each of whom sees and interacts with the information that they need in their own language.

Today, 578 Primavera employees serve customers in 85 countries, with solutions targeted to: architecture, engineering and construction; public sector; aerospace and defense; power, energy and process; IT; and, discrete manufacturing. The company's deep vertical market expertise has made it the largest independent vendor of project and portfolio management software solutions.

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## ***Product Life Cycle Support DEXs Version R1 Approved***

29 April 2008

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The OASIS Product Life Cycle Support (PLCS) Technical Committee has recently approved the “Product Life Cycle Support DEXs Version R1” specification as a Committee Draft and approved the package for public review.

Information about the [specification](#).

Information about the OASIS Product Life Cycle Support (PLCS) [Technical Committee](#).

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## Events News

### ***aPriori Previews the Next-Generation of its Product Cost Management Platform at CATIA Operators Exchange (COE) 2008***

28 April 2008

aPriori previewed the next release of its product cost management software solution at COE 2008, the Dassault Systems’ annual user conference. With support for additional 3D CAD systems and industry standards, aPriori v6 will help more manufacturing and product companies drive costs out of their products using aPriori’s real-time product cost assessments.

aPriori v6 will feature support for leading 3D CAD applications with new integration to CATIA® v5, NX® (Unigraphics), SolidWorks® and more. Combined with existing integration to Pro/ENGINEER® Wildfire and enhanced support for industry standards including STEP and IGES, aPriori will significantly extend its ability to cost parts and products automatically and instantly from solid models.

“aPriori v6 will serve the broad market of discrete product and manufacturing companies to reduce the cost of their products, regardless of which CAD system they use for design,” said Eric Hiller, founder and chief technology officer at aPriori. “When employees know the cost impact of every alternative they are considering, they make decisions that result in greater profit by lowering product costs. aPriori helps every business function that impacts product cost, from design, to manufacturing, to sourcing and more. Moreover, by having cost visibility early and throughout the development cycle, our customers reduce cost without compromising on quality, schedule, or the content of their products.”

The aPriori Enterprise Cost Management Platform is the first software solution to provide discrete manufacturers and product companies with real-time, predictive and precise product cost assessments throughout the entire development and production process. aPriori’s cost management capabilities empower organizations to identify quantifiable savings in material, tooling, labor and overhead while evaluating alternative designs, processes and sources. By generating cost assessments early in the product development process, aPriori customers drive significant costs out of their products prior to production, reducing Cost of Goods Sold by whole percentage points and improving the overall financial results of the company.

Through an innovative, patented understanding of how product design, materials and manufacturing processes translate into product costs, aPriori replaces traditional, inefficient cost-estimation techniques with precise cost assessments that update in real-time as parameters change. aPriori provides cost visibility to everyone in the organization that impacts cost -- designers, manufacturing engineers and planners, purchasing and sourcing professionals, cost managers, program management and executives.

[aPriori](#) v6 is expected to be available in summer 2008.

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## ***Aras Community Network Event Adds Corporate Presenters Xerox, Acco Brands, and Esterline Aerospace & Defense***

29 April 2008

Aras® announced that the Aras Community Network Spring 2008 international event, scheduled for Wednesday May 7th 2008, will be held at the Microsoft office in Downers Grove, Illinois, and that new presentations and event sessions have been added.

The event will include presentations from XEROX, ACCO Brands, Esterline Technologies and other leading corporate community members on applying the Aras Innovator enterprise open source software solutions on the Microsoft platform to strategic business process initiatives. Topics will include:

- Achieving Global Growth with Innovation & Time to Market
- Enterprise PLM Business Confidence from Evaluation and Pilot Results
- Integration Strategies for Aras Innovator Enterprise PLM to ERP and CAD Systems
- Solutions for Complex Product Variant and Option Management

The one day event will include corporate presentations, breakout sessions, and panel discussions, and will cover best practice approaches and collaborative development projects for the advanced Aras Innovator enterprise SOA solutions for PLM.

The Aras Community Network event is free to attend. Space is limited and pre-registration is required. Agenda details and registration form are available at <http://www.aras.com/SendToInnovatorX/100083.aspx>

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## ***AVEVA Exhibits Latest Software Solutions for Offshore Design, Engineering and Asset Lifecycle Management at OTC '08***

27 April 2008

AVEVA will exhibit its solutions for offshore design, engineering and asset lifecycle management at the Offshore Technology Conference, booth 10300, to be held May 5-8, 2008 at the Reliant Center, Houston, Texas.

AVEVA products to be showcased include:

**AVEVA Marine portfolio** which is a set of integrated design and production applications combined with open and flexible lifecycle management solutions. It provides a way to design, build and operate large, complex ships and offshore vessels. AVEVA Marine supports all stages of a vessel's lifecycle from concept, through design, production, maintenance and refit, to decommissioning.

**AVEVA Plant portfolio** which is a set of integrated design and engineering applications combined with open and flexible lifecycle management solutions. It provides a way to design, build and operate large complex plants, whilst offering maximum flexibility in the choice of authoring tools. AVEVA Plant supports the entire plant lifecycle from concept, through engineering, construction, maintenance and life extension to decommissioning. At the heart of the AVEVA Plant portfolio is AVEVA PDMS.

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**AVEVA PDMS** is a datacentric, multi-disciplinary design environment for the 3D modelling of offshore structures. It has modules for the design of equipment, piping, HVAC, structure and cable trays. Modelling is carried out using a customer-defined catalogue and specification, in a full 3D environment, with the support of tools that ensure a clash-free design. A full range of drawings and pipe isometrics can be produced automatically from the model.

**AVEVA NET** is an application-neutral environment for all your engineering, operational, maintenance and safety data, no matter which programs created it. AVEVA NET makes data available and useful to a wide range of applications, including ready-made lifecycle solutions from AVEVA, customised solutions created for you by AVEVA and applications from other vendors.

AVEVA's plant and marine solutions have been used on more than 3,000 major global engineering projects by over 1,500 customers worldwide on projects costing over USD \$600 billion. In the Oil & Gas sector, over 80% of the largest production facilities in the North Sea and the Gulf of Mexico were designed using AVEVA technology in the last ten years, and 85% of the world's top 20 shipbuilders use AVEVA technology.

For more information on the Offshore Technology Conference 2008, please visit <http://www.otcnet.org/2008/>.

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## ***CIDEON Software User Day International 3-4 June 2008***

May 2008

CIDEON Software user day 2008 is an opportunity to learn more about CIDEON Software and SAP solutions, their vision, their priorities, their people and network with user of other companies from Germany and Europe. Learn how to be more successful and keep your business growing by exchanging your experience with other users and discover how other companies cope with the today's challenges in either engineering or facility management. Hear lectures of users, SAP and CIDEON Software and a discussion of the following solutions:

- SAP PLM integration for Autodesk CAD systems, MicroStation, Solid Edge and SolidWorks

- SAP news

- CAFM

- CIDEON Collaboration

- Output Management for SAP PLM

- CIDEON Conversion Engine

A detailed agenda will be available in May.

Workshop language is English.

Location of the event is the [Quality Hotel Berlin Tegel](#), near the Airport Berlin Tegel. Hotel rooms for June 3rd to 4th can be booked using the key word "CIDEON", for the price of 65,00 Euros including breakfast. The booking has to be completed before May 10st.

The phone number to reach the hotel is +49-30-45797-470 , Mrs. Maas

E-mail: [i.maass@quality-hotel-berlin-tegel.de](mailto:i.maass@quality-hotel-berlin-tegel.de)

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Participation is free of charge for CIDEON's users. For registration or more questions please <mailto:ulrike.finster@cideon.com>

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## ***ESPRIT at Difficult Manufacturing Technology Show May 14-17, 2008***

1 May 2008

The latest version of computer-aided-manufacturing (CAM) software created by DP Technology will be on display May 14-17, when ESPRIT® 2008 and ESPRIT Mold v9 will be shown at the Difficult Manufacturing Show 2008, in Nagoya, Japan.

Visitors to the ESPRIT booth can expect one-on-one interaction with staff from DP Technology, as well as demonstrations of new software upgrades.

Upgrades available in the new release include turning stock automation for lathes, EDM machine specific machining technology, improved 3D machining performance, open pocket milling, expanded CAD to CAM feature exchange (FX), enhanced KnowledgeBase™ machining (KBM) functionality, and B-axis turning for 5-axis mill-turn machines.

The latest release of ESPRIT Mold includes significant performance increases for the 3D programmer that result in the reduction of cycle times of 25-50 percent or more while simultaneously increasing part quality and reducing programming time and effort.

On display at the Difficult Manufacturing Technology Show 2008, enhancements within ESPRIT 2008 and ESPRIT Mold v9 reduce the time required to produce part programs, increase the quality of those programs and help reduce machining cycle times.

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## ***ESPRIT Mold v9 at Die & Mould China 2008 May 12-16, 2008***

29 April 2008

DP Technology will display ESPRIT® Mold v9, the most recent version of its die-mould software, at Die & Mould China 2008, to take place May 12-16 in Shanghai, China.

A comprehensive industry platform for technological communication and information exchange, Die & Mould China is the largest Asian and second largest worldwide die, mould and machine show event. One-on-one demonstrations and presentations will be made available to those who visit the ESPRIT booth at the Shanghai New International Expo Centre, at which new features available within the latest generation of ESPRIT Mold will be showcased.

The latest release of ESPRIT Mold includes significant performance increases for the 3D programmer that result in the reduction of cycle times of 25-50 percent or more while simultaneously increasing part quality and reducing programming time and effort.

ESPRIT Mold is a member of the ESPRIT family of CAM software, which also includes programming for 2-5 axis milling, 2-22 axis turning, 2-5 axis wire EDM, and multitasking mill-turn machining and B-axis milling.

Each year, a new version of the ESPRIT Mold software is released, providing users with significant advancements. This particular release incorporates a large number of advancements that include a new

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geometric kernel that provides support for a wider variety of solid and surface part geometry, enhanced 3-axis machining cycles for increased performance, improved user interface — making it easier and quicker to create toolpath —improvements to the existing 5-axis machining cycles, and a new 5-axis “AutoTilt” machining cycle that automatically creates a collision free 5-axis machining cycle from existing 3-axis toolpath. ESPRIT Mold is designed to run on both Microsoft Windows XP and Microsoft Vista operating systems.

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## ***KOMPAS-3D was Highly Regarded at Hannover Messe 2008***

28 April 2008

ASCON Group participated in Hannover Messe 2008 that took place in Germany. From 21–25 April 2008 the company presented its core parametric modelling solution - KOMPAS-3D in the Hall 17 Stand A69.

[ASCON](#) stand was located in Digital Factory pavilion, devoted to the total networking of design engineering, planning and production, and had high attendance by visitors of the fair. This year industrial enterprises specialists, design and construction chiefs, institutional officials, students, journalists had the ability to familiarize with all the basic features and add-ons of the improved version of KOMPAS-3D V9 SP2. All the wide range of functionality of software was demonstrated with help of last novelties gratefully provided by ASCON partners— 3D monitor from Spatial View and navigation input devices from 3Dconnexion.

During the intensive fair period highly qualified specialists from ASCON held dozens of live demonstrations of professional MCAD solution and KOMPAS-3D. The company also took part in Guided Tours in CAD/CAE section organized by Trovarit AG, where representatives of industrial companies could get all the information about ASCON and were shown how MCAD solution can be deployed to reduce product development times and accelerate production.

Hannover Messe 2008 and previous experiences of participations in international fairs (EuroMold, CeBIT, IT-Messe in Thuringen and etc.) confirmed the relevance of reasonably priced, professional CAD software at an international market. Guests of the booth came not only from German-speaking countries and Western Europe, but also from India, China, Australia, Japan, Eastern Europe and CIS. KOMPAS-3D gained a lot of favorable reports from ASCON stand visitors and many perspective new business contacts and meetings were held.

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## ***Lattice Technology Sponsors Mechatronics Expo***

1 April 2008

[Lattice Technology](#) announced its sponsorship of the 2008 Mechatronics Expo, taking place May 13, 2008 in Santa Clara, California.

The Mechatronics Expo is the first event in the 2008 Mechatronics road show from the editors of Control Engineering, Design News, EDN and Test & Measurement World. This free one-day seminar series is set to educate attendees about how the mechatronics approach to design can help get the job done better, more quickly and more cost effectively.

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In the morning, leading industry experts will convene to discuss the fundamentals of mechatronics, and where the manufacturing industry is heading. The afternoon sessions will be devoted to hands-on workshops of a variety of software tools engineers can use now.

Bill Barnes, General Manager, Lattice Technology US said, “Mechatronics is a rapidly growing area of the manufacturing industry, which often demands a lot from engineers and designers in terms of highly accurate, rapid 3D design innovation. Lattice Technology’s applications readily enable the handling of massive 3D assemblies, mechatronics simulations and critical design review in digital formats that these engineers are crying out for. This makes this informative conference an ideal venue for support by Lattice Technology.”

For more information and free registration links for the Mechatronics Expo, please visit:

<http://www.designnews.com/info/CA6543510.html>

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## ***Oracle Kicks Off Registration for Oracle OpenWorld® San Francisco 2008***

29 April 2008

Oracle announced that registration for Oracle OpenWorld® San Francisco 2008 is now open. One of the world's largest events dedicated to helping enterprises understand and harness the power of information will be held September 21-25 at the Moscone Center in San Francisco.

The Keynote lineup is scheduled to include industry leaders and executives from HP, Intel and Oracle among others.

The event will offer more than 1,700 educational sessions on Applications, Database, Middleware and Industries presented by Oracle product management, partners and customers.

Designed to provide an inclusive and content sharing environment, Oracle OpenWorld will integrate elements of Enterprise 2.0 using Oracle's social networking tool, schedule builder, online planner, and blogs.

A special program for developers returns this year with an extra day of sessions and hands-on-labs.

Attendees will have access to two Exhibition Halls with over 450 partners featuring their latest offerings, more than 250 live product demos in the Oracle DEMOgrounds and a dynamic, thought-provoking, and interactive customer and partner breakthroughs showcased at Inside Innovation, sponsored by Intel.

Customers and partners will have the opportunity to meet and hear from their peers with more than 100 user group and SIG meetings and numerous networking functions.

## **Supporting Resources**

[Register for Oracle OpenWorld 2008](#)

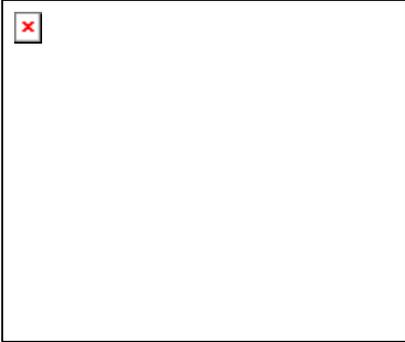
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## ***PLM Strategic Discussion***

April 2008

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ESTEQ PLM and CIMdata are hosting Round Table discussions around PLM and various industries from 11 - 13 June 2008.

PLM enables companies to solve strategic issues that influence the success of the product lifecycle from beginning to end. Companies are adopting PLM to manage entire product portfolios and expedite the digital transformation of their manual business processes.

The planned events will be targeted towards strategic level executives. The agenda will be a short overview of PLM for the specific industry with reference to what other world class companies are doing followed by an open round table discussion around PLM in South Africa.

ESTEQ PLM will be bringing PLM specialist, **Peter Bilello** [http://plm.esteq.com/PLM\\_Implementation.htm](http://plm.esteq.com/PLM_Implementation.htm) , from CIMdata [www.cimdata.com](http://www.cimdata.com) <http://www.cimdata.com> in the US. Mr. Bilello has over 20 years of experience in the development of information technology (IT) solutions for research, engineering, and manufacturing organizations worldwide. He has held various positions in Product Lifecycle Management analysis, selection, and implementation, CAD/CAM/CAE/CIM implementation and management, synchronous and lean manufacturing consulting, and software engineering.

Register for this event <mailto:n.fourie@esteq.com>

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## ***Powered by AVEVA NET – the Petrotech Preview***

30 April 2008

AVEVA announced that it will launch new solutions, powered by its AVEVA NET technology, in June this year. Pre-publicity for the new solutions will start at Petrotech 2008 in Bahrain, 26 - 28 May 2008, where AVEVA is exhibiting on stand 731.

AVEVA NET is an application-neutral store for operational, maintenance and safety data, no matter which program created it. It makes this data available and useful to a wide range of users, across all lifecycle phases.

This is a key concern for many businesses operating in the large engineering project market. They often use many different technologies to address multiple complex needs, but inevitably there is little or no communication between these technologies. The result of this is that often critical information simply does not arrive at the right place and is not acted upon.

Derek Middlemas, Executive Vice President Business Strategy at AVEVA, explained: "Up to 60% of all equipment downtime can be attributed to delays in finding the correct information. AVEVA NET solves

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this problem by creating one common 'plant information model,' available to all users across all lifecycle phases. Added value is then created by automatic processes such as change management, security management, configuration management and workflow management."

The results: improved staff productivity, improved plant throughput, enhanced regulatory/safety compliance and more efficient management of change (MOC), amongst others. The new solutions, Powered by AVEVA NET, include:

**AVEVA NET Portal** - AVEVA NET Portal brings together information from disparate applications and data sources and provides a unified, web-based, digital profile of the physical plant that can be shared easily across offices and territories

**AVEVA NET and ISOMET** - This solution supports the planning and execution of pipe maintenance. Recent plant incidents have highlighted the importance of pipe maintenance; AVEVA NET and ISOMET delivers seamless integration of pipe maintenance with other types of operational data.

**AVEVA NET Enterprise**, the new, fully configurable version of the platform, which enables solutions to be developed as well as deployed, will also be launched at the same time.

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## ***ProSTEP iViP Symposium - Full to the Brim: with Topics, Participants and Ideas***

29 April 2008

A record high in terms of participants posted the eleventh ProSTEP iViP Symposium themed "Vitality of Standards – Service Orientation for Dynamic Enterprises" on April 9 and 10, 2008 in Berlin. Extending the program, offering theme sessions for the first time on selected topics as e.g. security or mechatronic and opening up to other departments and industry segments was what contributed to this success. Main sponsors were Microsoft and Continental.

A week prior to the convention the registration site on the Internet announced: Fully booked! More than 450 participants – an increase of 25 percent – from 146 companies and organizations in 16 countries came and attended all in all 43 lectures –32 last year– in three parallel sessions. The four workshops on topics like service oriented architecture (SOA) or requirements management were used intensively. The number of IT vendors and service providers in the accompanying exhibition jumped from 21 to 27. Guus Dekkers, CIO of the Automotive Divisions at Continental, reported in his keynote first-hand on one of the biggest mergers in the automotive supply industry which in 2007 made of Siemens VDO and Continental one group with a business volume of more than 25 billions Euro and 140,000 employees. Guus Dekkers summed up aptly what is preoccupying the entire industry and is concerning almost anybody directly or indirectly: „50 percent of the savings and synergy effects expected after mergers are only made possible by IT even though they cannot be attained exclusively that way. Yet 75 percent of the integration problems arising in context with a merger are pertaining to the integration of IT. "Guus Dekkers recommends: first harmonizing the data, then the functions. No religious wars. No monster project but rather less perfect, still effective interim solutions. Making sure that business can go on. At Continental the new structure was implemented in four months.

In his plenum lecture Santiago Cabezas, Mentor Graphics, took up the subject mechatronics and EES. Focus of his presentation was the project ECAD/MCAD Collaboration which was lead-managed by Mentor Graphics in the ProSTEP iViP Association three years ago and reached an important milestone by presenting the ProSTEP iViP Recommendation PSI 5. According to Santiago Cabezas first business

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applications based on PSI 5 will be available before the end of the year.

Whether the focus was on global mergers, distributed development networks or interdisciplinary cooperation – the question of how to master the wide spectrum of different processes dominated all the other topics regardless of their focus, areas of application and technical disciplines. Remarkably the focus was very seldom on CAD but rather on PDM and PLM. There were never so many solutions presented dealing with company-specific approaches to the description, organization and control of processes. And yet it was often the unfamiliar vision of another sector that supplied particularly inspiring ideas. Thus the topic ‘insight into other industries’ featuring the shipbuilding, aviation and medical engineering industries was well received.

The search for the next generation of technological and organisational approaches continues. The keynote of Alfred Katzenbach, Director of IT Management Research and Development at Daimler AG and Chairman of the ProSTEP iViP association was titled: ‘Engineering IT Goes SOA’. Alfred Katzenbach: “We are not working on a SOA-project at Daimler. We are formulating guidelines and are building a framework that future projects should adhere to. “The challenge is to confine ourselves to what is achievable. At Daimler we are planning work stations as ‘Common Engineering Clients’ for 15 different roles. Then an Engineering Service Bus delivers services, that provide input from different systems for each specific role, e.g. for a designer of an entire vehicle, to the work station. A first prototype will be rolled out before the end of 2008. Daimler is convinced that SOA is no hype but an important goal on a long way – with an initial step now taken.

The closing keynote speaker was Professor Martin Eigner, University of Kaiserslautern and Member of the [ProSTEP](#) iViP Board: The lead project ‘Integrated Virtual Product Creation (iViP)’ from 1998 – the Association owes part of its name to this project – virtually calls for a follow-up project. It should combine all approaches developed so far to a single comprehensive research approach. “With this major project – working title is ‘Holistic Optimization of Product Creation (HOPE)’ – the usage of Engineering IT should be extended to small and medium sized companies: „The optimization of processes can only be successful if it doesn’t get stuck between large volume manufacturers and their smaller partners because there modern methods are not or hardly supported.“

Two great future perspectives prevailed in the end of the most successful symposium since the ProSTEP iViP Association was founded 15 years ago. The activities will grow into different directions: reaching new industries, addressing new subjects, finding and pursuing new approaches.

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## ***PTC/USER World Event 2008 to Highlight Product Development across the Enterprise***

29 April 2008

PTC announced that PTC/USER, the Independent Voice of PTC Customers Worldwide™, has opened registration for PTC/USER World Event 2008. The PTC/USER World Event 2008 offers learning and networking opportunities to help PTC software users from large and small organizations to implement effective product development strategies across the enterprise and to design tomorrow’s break-through products.

The PTC/USER World Event takes place June 1-4, 2008 at the Long Beach Convention Center in Long Beach, California. This event will provide each participant with access to more than 250 business and technical presentations covering Pro/ENGINEER®, Windchill®, Arbortext®, Mathcad®, ProductView™ and CoCreate® topics, six tracks of PTC University™ hands-on training delivered by

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the PTC Global Services team, and access PTC Learning Centers where attendees can learn more about PTC's new products and capabilities.

In addition, attendees will have access to the expanded PTC exhibit hall that features more than 80 PTC partners, resellers and solution providers as well as more than 40 PTC-specific exhibits and offers attendees the chance to see PTC products up close. PTC is a proud sponsor of the 2008 FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition, and the exhibit hall will include some of the high school teams displaying the robots that participated in the regional and national FIRST Robotic Competitions.

This year, PTC/USER World welcomes the CoCreate community and is offering two dedicated tracks of presentations and training for CoCreate customers. CoCreate was acquired by PTC in December of 2007 and strengthens PTC's CAD offerings by adding explicit modeling to its product portfolio.

Back by popular demand at PTC/USER World are the PTC Product Development sessions and the one day Management Forum. The PTC Product Development sessions offer attendees the chance to hear and see new approaches and practices for using PTC products that they can bring back to their companies to drive improvements in their own product development processes. The Management Forum gives managers responsible for product development the opportunity to attend PTC/USER World Event keynote presentations and participate in a focused one-day event that provides case studies and executive panel discussions on issues impacting management teams.

New for 2008, the PTC/USER World Event will feature a Manufacturing Pavilion, a destination inside the exhibition hall focused on producing the designs that are created with PTC software. Table top manufacturing equipment will create components in real-time using PTC manufacturing software along with the solutions of PTC collaborative Partners offering attendees an opportunity to see and learn how art turns to part.

Keynote speakers at PTC/USER World include PTC customer Cirrus Design, the world's leading innovator of single-engine, piston-powered aircraft and Scott Summitt, designer/innovator, professor of Industrial Design at Carnegie Mellon.

"The PTC/USER World Event draws incredibly innovative people who come together each year to hear how other companies use PTC products and solutions and learn from PTC about optimizing product development processes," said Dick Harrison, president and chief executive officer, PTC. "Each conference attendee will leave this event better informed, and ultimately better equipped to design leading products and succeed in the marketplace.

PTC will also host its Annual Global Media and Analyst Event and welcome more than 70 delegates from trade, IT and business media, industry analysts and members of the financial community.

"PTC/USER had a single, clear vision 18 years ago – to deliver a comprehensive event that would educate and inspire the attendees," said Kevin Johnson, executive director, PTC/USER, Inc. "Our attendees tell us we deliver that experience each year. That because of the unparalleled value of formal training classes, educational presentations, and peer-to-peer networking, the PTC/USER World Event has become one conference that is not to be missed on their calendars. I'm looking for another exciting, action-packed week in Long Beach."

More information about PTC/USER World Event 2008 can be found at the Event website:

<http://www.ptcuser.org/2008/>



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## ***Siemens PLM Software Shows Small to Medium-Sized Businesses How to Improve Commonization and Reuse***

1 May 2008

Siemens PLM Software announced the expansion of its “Fast Track to PLM” SMB (small to medium-sized business) educational seminar series to help manufacturers understand how to implement a commonization and reuse strategy that provides global access to reusable products and processes.

While all engineering organizations (100%) report that they are currently reusing designs, top performing groups are further along in the deployment of techniques and technologies to capitalize on design reuse. From product design to analysis, and NC programming, these best in class companies are currently using these technologies to facilitate their design reuse strategies.”

Siemens PLM Software “Fast Track to PLM” seminars highlight how best-in-class companies address commonization and reuse through PLM to:

- enable and automate proactive commonization
- prepare CAD models for reuse
- provide global centralized data access across the value chain
- integrate cross functional teams in one standard platform

“Many manufacturers find that commonization and reuse gives them the ability to reduce costs, improve quality and bring products to market at a faster pace,” said Bruce Boes, vice president, Velocity Series™ Marketing, Siemens PLM Software. “Making key data readily available for reuse provides efficiencies in design, manufacturing, testing and compliance. Engineers can quickly search part libraries, make minor changes to fit new product designs and automatically test for manufacturability.”

For more information or to obtain a list of Fast Track Reuse webinars, visit Siemens PLM Software’s SMB Center at <http://www.siemens.com/plm/smb>.

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## ***Visiprise to Showcase Manufacturing Execution Innovation at SAPPHIRE® 2008 Orlando***

28 April 2008

Visiprise, Inc. will have a significant presence at the SAPPHIRE® 2008 Orlando conference being held at the Orange County Convention Center in Florida on May 4 – 7. Visiprise will also have a significant presence at SAPPHIRE 2008 Berlin, taking place at Messe Berlin, May 19 - 21.

SAPPHIRE is SAP’s premier business technology event, where senior executives, business managers and decision makers come together to explore new initiatives, solutions, products and services that will foster maximum ROI, lower total cost of ownership and sustained profitable growth.

Visiprise will be present at SAPPHIRE and will be featured in the SAP Ecosystem & Partner Center, where its solution offering will be shown at the Solution Extension table titled “Extend the Power of SAP”. Throughout the event, Visiprise will demonstrate the latest version of SAP Manufacturing Execution, the MES solution that provides route enforcement, traceability and shop floor execution capabilities. The solution is integrated with the SAP ERP application through the SAP Manufacturing Integration and Intelligence (SAP MII) application to provide manufacturers with better visibility into production operations.

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Visiprise participation at SAPPHIRE 2008 Orlando will include:

[Visiprise](#) booth – Exhibitor village – POD #1685

Manufacturing Execution POD #1601 in the SAP Applications: PLM/SCM/SRM/SAM village

Manufacturing for Aerospace & Defense POD #1401 in the Discrete Manufacturing Industries village

SAP Manufacturing Execution will also be featured during “In Pursuit of the Perfect Plant”, a breakout session being held on Tuesday, May 6 from 11:00 a.m. – 12:00 p.m. ET.

Visiprise supports SAP’s efforts aimed at helping manufacturing customers achieve the ‘perfect plant’, providing discrete manufacturers with a MES solution to enable a tightly-integrated technology ecosystem.

“Visiprise continues to forge a strong partnership with SAP in our efforts to deliver an integrated manufacturing execution solution to the discrete manufacturing industries,” said Carter Johnson, senior vice president of corporate development for Visiprise. “Our shared customers experience an immediate competitive edge and can accelerate efficiencies throughout their operations.”

For more info please visit <http://www.sapsapphire.com/usa2008>.

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## Financial News

### ***ANSYS, Inc. Starts 2008 With Record First Quarter Results***

1 May 2008

ANSYS, Inc. announced a new Company record for first quarter non-GAAP operating results.

"ANSYS is off to a strong start in 2008, as evidenced by our record first quarter financial performance. As our products and solutions continue to gain traction, adoption levels continue to increase. Customers are realizing the value our expanded portfolio of advanced technologies can provide. These are certainly exciting times at ANSYS, with continued record performance, the recent announcement of our signing a definitive agreement to purchase Ansoft Corporation, and the continued execution of our long-term strategic vision," stated Jim Cashman, ANSYS President and CEO. "I am very proud of the ANSYS team for delivering another solid quarter, while at the same time planning and finalizing the logistics related to the upcoming closing of the Ansoft acquisition, which is currently anticipated to occur during the second quarter."

ANSYS' first quarter 2008 financial results are presented below. The non-GAAP results exclude the income statement effects of stock-based compensation and acquisition-related amortization of intangible assets. The 2007 non-GAAP results also exclude the effects of purchase accounting adjustments to deferred revenue. Non-GAAP and GAAP results reflect:

- Total revenue of \$109.5 million in the first quarter of 2008 as compared to total non-GAAP revenue of \$89.6 million and total GAAP revenue of \$87.9 million in the first quarter of 2007;
- A non-GAAP operating profit margin of 47.3% in the first quarter of 2008 as compared to 42.6% in the first quarter of 2007; a GAAP operating profit margin of 38.2% in the first quarter of 2008 as compared to 30.5% in the first quarter of 2007;

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- Non-GAAP net income of \$32.5 million in the first quarter of 2008 as compared to \$23.5 million in the first quarter of 2007; GAAP net income of \$25.9 million in the first quarter of 2008 as compared to GAAP net income of \$16.2 million in the first quarter of 2007; and
- Non-GAAP diluted earnings per share of \$0.40 in the first quarter of 2008 as compared to \$0.29 in the first quarter of 2007; GAAP diluted earnings per share of \$0.32 in the first quarter of 2008 as compared to GAAP diluted earnings per share of \$0.20 in the first quarter of 2007.

The Company's GAAP results reflect stock-based compensation charges of approximately \$2.8 million (\$2.2 million after tax) or \$0.03 diluted earnings per share for the first quarter of 2008.

Continuing his comments, Cashman noted, "ANSYS delivered another outstanding quarter highlighted by strong revenue growth and operating margins. Looking ahead, as a result of our solid first quarter results, combined with our second quarter and beyond visibility, we are increasing our outlook for the year. We believe we are well positioned to leverage our extensive customer base, strategic vision, technology leadership, and solid business model, to drive continued growth and momentum during the remainder of 2008."

## **Management's Remaining 2008 Financial Outlook**

The Company has provided its 2008 revenue and earnings per share guidance below. The earnings per share guidance is provided on both a GAAP basis and a non-GAAP basis. Non-GAAP diluted earnings per share excludes charges for stock-based compensation and acquisition-related amortization of intangible assets.

As required by SFAS No. 123R and guidance issued by the Securities and Exchange Commission, the Company records expenses and tax benefits related to stock-based compensation. As a result, the GAAP estimates for earnings per share provided below reflect the anticipated impact of stock-based compensation. The Company issues both nonqualified and incentive stock options; however, incentive stock options comprise a significant portion of outstanding stock options. The tax benefits associated with incentive stock options are unpredictable, as they are predicated upon an award recipient triggering an event that disqualifies the award and which then results in a tax deduction to the Company. GAAP requires that these tax benefits be recorded at the time of the triggering event. The triggering events for each option holder are not easily projected. In order to estimate the tax benefit related to incentive stock options, the Company makes many assumptions and estimates, including the number of incentive stock options that will be exercised during the period by U.S. employees, the number of incentive stock options that will be disqualified during the period and the fair market value of the Company's stock price on the exercise dates. Each of these items is subject to significant uncertainty. Additionally, a significant portion of the tax benefits related to disqualified incentive stock options is accounted for as an increase to equity (additional paid-in capital) rather than as a reduction in income tax expense. Although all such benefits continue to be realized through the Company's tax filings, this accounting treatment has the effect of increasing tax expense and reducing net income. For example, the Company realized a tax benefit of \$670,000 during the first quarter of 2008 related to disqualified incentive stock options; however, only \$65,000 of such amount was recorded as a reduction in income tax expense. Because there are significant limitations in estimating the impact of SFAS No. 123R, including those discussed above, the actual impact of stock-based compensation on GAAP earnings per share may differ materially from the estimated amounts included in the guidance below.

Second Quarter 2008 Guidance - Excluding future results attributable to the acquisition of Ansoft Corporation The Company currently expects the following for the quarter ending June 30, 2008:

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- GAAP revenue in the range of \$109 - \$111 million
- GAAP diluted earnings per share of \$0.28 - \$0.29
- Non-GAAP diluted earnings per share of \$0.36 - \$0.37

Fiscal Year 2008 Guidance - Excluding future results attributable to the acquisition of Ansoft Corporation

The Company currently expects the following for the fiscal year ending December 31, 2008:

- GAAP revenue in the range of \$448 - \$452 million
- GAAP diluted earnings per share of \$1.19 - \$1.25
- Non-GAAP diluted earnings per share of \$1.54 - \$1.57

Non-GAAP diluted earnings per share is a supplemental financial measure and should not be considered as a substitute for, or superior to, diluted earnings per share determined in accordance with GAAP.

### Conference Call Information

ANSYS will hold a conference call at 10:30 a.m. Eastern Time on May 1, 2008 to discuss first quarter results. The replay will be available for one week by dialing 888-203-1112 or 719-457-0820 and entering the passcode "ANSYS" or "26797". The archived webcast can be accessed, along with other financial information, on ANSYS' website at <http://www.ansys.com/corporate/investors.asp>.

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### ***Autodesk Extends Invitation to Join Its First Quarter Fiscal 2009 Financial Results Conference Call on Thursday, May 15th at 2:00 p.m. Pacific Time***

1 May 2008

**WHAT:** Autodesk, Inc. announced that it will broadcast its first quarter fiscal 2009 financial results conference call live via its website on Thursday, May 15, 2008.

**WHEN:** Thursday, May 15th at 2:00 p.m. Pacific Time

**DETAILS:** A live webcast and audio archive will be available on <http://www.autodesk.com/investors>.

**HOW:** If you would like to listen to the live call, Autodesk will be hosting a webcast at <http://www.autodesk.com/investors>. If you

are unable to access the Internet for the call, you may dial in

at 800-561-2813 or 617-614-3529 and reference 38361016 as the

passcode. An audio replay webcast and podcast will also be

available at 4:00 p.m. Pacific Time on our website at

<http://www.autodesk.com/investors> or by dialing 888-286-8010 or

617-801-6888 and reference 41192095 as the passcode.

**CONTACT:** For more information, please call Autodesk Investor Relations at 415-507-6705.

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## **Dassault Systèmes Reports 2008 First Quarter Software Revenue Growth Above 14% in Constant Currencies**

29 April 2008

Dassault Systèmes (DS) reported U.S. GAAP unaudited financial results for the first quarter ended March 31, 2008.

### **Summary Financial Highlights**

Q1 GAAP total revenue up 12% on GAAP software revenue growth of 16%, both in constant currencies

Q1 non-GAAP total revenue up 10% on non-GAAP software revenue growth of 14%, both in constant currencies

Q1 EPS €0.34 on GAAP basis and €0.41 on non-GAAP basis

DS reconfirms 2008 Business Outlook: reconfirms constant currencies non-GAAP software and non-GAAP total revenue growth objectives for 2008; reconfirms non-GAAP operating margin expansion objective for 2008; adjusts non-GAAP EPS growth objective for 2008 to between 6% and 10% growth solely due to US dollar weakness

### **First Quarter 2008 Financial Summary**

In millions of Euros, except per share data	U.S. GAAP			Non-GAAP		
		Growth	Growth in cc*		Growth	Growth in cc*
Q1 Total Revenue	307.4	6%	12%	307.9	4%	10%
Q1 Software Revenue	269.1	9%	16%	269.6	8%	14%
Q1 EPS	0.34	21%		0.41	5%	
Q1 Operating Margin	17.3%			22.8%		

\* In constant currencies.

Bernard Charlès, Dassault Systèmes President and Chief Executive Officer, commented, “Dassault Systèmes had a solid start to 2008, meeting all of our financial objectives for revenue, operating margin and earnings per share. We are seeing good dynamics in our core industries and new verticals. In particular, we had a very strong quarter for CATIA benefiting from broad-based demand among automotive and aerospace companies and good execution in our Business Transformation Channel for large accounts.

“This year will mark the final steps in the creation of our PLM indirect channel. In this regard, our first quarter was an important milestone as we moved ahead with the planned country transitions, including Germany and Japan. In less than fifteen months, a remarkably short period of time, we have developed an indirect PLM channel spanning more than 60 countries.

“Looking ahead, our number one focus is our customers - helping our customers improve their product innovation, product quality, business processes and investment returns. By doing this, we are confident

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in our ability to continue to grow our PLM market footprint.”

## **First Quarter Financial Highlights**

GAAP total revenue increased 12% in constant currencies and non-GAAP total revenue increased 10% in constant currencies.

By geographic region and in constant currencies, total GAAP revenue in Europe was up 13% (non-GAAP up 12%) followed by the Americas with growth of 12% (non-GAAP up 10%) and Asia with growth of 10% (non-GAAP up 9%). From a regional perspective, software revenue grew in double-digits in constant currencies in the Company's three geographic regions.

GAAP software revenue increased 16% in constant currencies. Non-GAAP software revenue increased 14% on new licenses revenue growth of 11% and non-GAAP recurring software revenue growth of 17%, all figures in constant currencies.

GAAP PLM software revenue increased 15% in constant currencies. Non-GAAP PLM software revenue growth of 14% in constant currencies was led by CATIA with non-GAAP software revenue growth of 21% in constant currencies, on strong dynamics with automotive and aerospace companies, channel capacity increases and the inclusion of ICEM. CATIA new seats licensed in the first quarter increased 7% to 8,325 seats. ENOVIA non-GAAP software revenue performance in the first quarter increased 1% in constant currencies, on a strong year-ago comparison.

GAAP Mainstream 3D software revenue increased 18% in constant currencies. Non-GAAP Mainstream 3D software revenue increased 15% in constant currencies on new SolidWorks seat growth of 15% (13,536 new seats licensed) and strong growth in maintenance revenue.

Services and other revenue, representing 12% of total revenue, decreased approximately 10% in constant currencies. These results largely reflect the winding down of certain historical channel management activities and related fee revenue which will continue over the course of 2008 as the Company completes the formation of its indirect PLM channel.

GAAP operating margin was 17.3%. Non-GAAP operating margin increased 70 basis points to 22.8%, compared to 22.1% in the year-ago period.

GAAP earnings per diluted share increased 21%. Non-GAAP earnings per diluted share increased 5% to €0.41 reflecting an increase in non-GAAP operating income of 8% offset by a significant decrease in financial revenue and other, net. While net interest income increased 26%, quarter-end currency exchange losses largely offset this increase.

New wins in the first quarter included: Skanska in construction in Europe; Bell Helicopter in aerospace and Leviton in high tech in the Americas; and Tata Motors in automotive in Asia. Re-orders included: Gulfstream and Spirit in aerospace and Northrop Grumman in shipbuilding in the Americas, and Honda, Mitsubishi and Toyota in automotive in Asia.

During the first quarter, DS repurchased 961,986 common shares for a total cost of approximately €35 million.

## **Cash flow and other financial highlights**

Net operating cash flow was €88.4 million for the first quarter. Cash and short-term investments totaled €682.9 million and long-term debt totaled €202.7 million at March 31, 2008.

## **Annual Shareholders' Meeting date and cash dividend recommendation**

# CIMdata PLM Industry Summary

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The Annual Shareholders' Meeting has been scheduled for May 22, 2008. The Board of Directors has recommended an annual cash dividend equivalent to €0.46 per share, representing about €54 million in the aggregate, for the fiscal year ended December 31, 2007, and a 5% increase from last year's dividend per share. The dividend is subject to approval by shareholders at the Annual Shareholders' Meeting.

## **Other Corporate Announcements**

On April 8<sup>th</sup>, 2008 DS announced that it has been named the leader in several categories of CIMdata's newly published "[PLM Market Growth in 2007: A First Look in 2008 - Exceeding Expectations](#)" and that 2007 was DS' third consecutive year at the top of the industry mindshare rankings. In the report, CIMdata ranked Dassault Systèmes the leader in overall PLM industry market presence among the industry's Mindshare Leaders – rankings which reflect Dassault Systèmes' leadership in both the "mainstream PLM" and more expansive "comprehensive PLM" market sectors. CIMdata defines a mindshare leader as the company end-users most readily identified with the term "PLM".

## **Business Outlook**

Thibault de Tersant, Senior Executive Vice President and CFO, commented, "Our 2008 outlook remains good and essentially unchanged from when we released it in February. We, therefore, are reconfirming our 2008 non-GAAP constant currency objectives for total revenue growth of about 10% and slightly increasing our software revenue growth to about 12% to 13%. We are also reconfirming our objective to increase our 2008 non-GAAP operating margin by 80 to 130 basis points in comparison to 2007. We are reducing our 2008 non-GAAP earnings per share growth objective to a range between 6% and 10% solely to reflect the severity of the US dollar weakness as our overall business outlook remains unchanged."

The Company's objectives are prepared and communicated only on a non-GAAP basis and are subject to the cautionary statement set forth below:

Second quarter 2008 non-GAAP total revenue objective of about €315 to €320 million and non-GAAP EPS of about €0.44 to €0.46;

2008 non-GAAP total revenue objective reiterated at about 10% growth in constant currencies; 2008 non-GAAP software revenue objective reiterated at about 12% to 13% growth in constant currencies;

2008 non-GAAP EPS objective adjusted down solely on U.S. dollar weakness from previous guidance to about €2.10 to €2.17, representing about 6% to 10% growth;

2008 non-GAAP operating margin objective reiterated at about 27% to 27.5%;

Objectives based upon exchange rate assumptions for the 2008 second quarter of US\$1.60 per €1.00 and JPY 160 per €1.00 and 2008 full year exchange rate assumptions of US\$1.57 per €1.00 and JPY 159 per €1.00.

The constant currency revenue objective leads to a reported 2008 non-GAAP revenue range of about €1.325 to €1.340 billion based upon the above assumed currency exchanges rates for 2008;

The non-GAAP objectives set forth above do not take into account the following accounting elements: deferred revenue write-downs estimated at approximately €1 million for 2008; stock-based compensation expense estimated at approximately €18 million for 2008; amortization of acquired intangibles estimated at approximately €48 million for 2008. The above objectives do not include any impact from one-time costs and one-time gains related to the anticipated DS global headquarters'

# CIMdata PLM Industry Summary

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relocation in 2008. These estimates also do not include any new stock option or share grants, or any new acquisitions completed after April 29, 2008.

## Recent Business News Highlights

On April 3<sup>rd</sup>, DS announced the new Abaqus release for CATIA V5.

On March 12<sup>th</sup>, DS launched PLM solutions for Life Sciences.

On March 3<sup>rd</sup>, DS unveiled Dymola 7.0, its next-generation Modelica-based multi-engineering modeling and simulation solution.

## Webcast and conference call information

Dassault Systèmes will host a webcast and a conference call today, Tuesday, April 29, 2008.

Management will host the webcast at 8:15 AM London time/9:15 AM Paris time and will then host the conference call at 3:00 PM CET/2:00 PM London time/9:00 AM New York time. The webcast and conference call will be available via the Internet by accessing <http://www.3ds.com/corporate/investors/>. The webcast and conference call will be archived for 30 days. Additional investor information can be accessed by calling Dassault Systèmes' Investor Relations at 33.1.40.99.69.24.

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## Lectra: First Quarter 2008

29 April 2008

The Board of Directors of Lectra, chaired by André Harari, reviewed the unaudited consolidated financial statements for the first quarter of 2008.

*(Detailed comparisons between 2008 and 2007 are like-for-like)*

### Orders Decline in a Seriously Worsening Macroeconomic Environment

Coming after the excellent growth dynamic in orders booked in 2007 (despite first signs of a slowdown in Q4), Q1 2008 orders for new software licenses and CAD/CAM equipment were down 17% (–€4.1 million) relative to Q1 2007.

The most severe decline in orders occurred in the Americas. In Europe, orders were down, falling in all of the major countries. The only source of satisfaction came from the Asia-Pacific region, where orders grew by 37%, with China, Japan, the Southeast Asian countries and India (where the company opened a subsidiary in Q4 2007) all contributed to this growth in orders.

### Revenues Increase

With an average parity of \$1.50/€1 for the first quarter, the U.S. dollar was down 13% compared to Q1 2007. This change mechanically reduced the various revenue components by 4% (–€2.3 million) and income from operations by €1 million.

Q1 2008 revenues amounted to €52 million, up 9% like-for-like compared to Q1 2007.

Revenues from new systems sales (€26.6 million) increased by 16%, shipments of orders in the backlog at December 31, 2007 having made up for the weakness of orders during the quarter. Recurring revenues (€25.3 million) increased by 4%. This slower than expected growth resulted from a rate of cancellations exceeding the statistical record, as a direct outcome of worsening macroeconomic conditions.

## CIMdata PLM Industry Summary

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Because Q1 2008 revenues exceed orders booked in the period, the order backlog for new software licenses and CAD/CAM equipment at March 31 (€15.4 million) is down by €4.4 million relative to December 31, 2007.

### Financial Performance Improves

Income from operations before non-recurring items amounted to €1.6 million, up €2.7 million like-for-like, compared to a loss on operations of €0.1 million in Q1 2007. The operating margin (3.1%) increased 5.1 percentage points.

Net income was €0.6 million, up €0.4 million at actual exchange rates compared to Q1 2007.

Free cash flow before non-recurring items in the quarter amounted to €0.1 million, taking into account the €1.7 million increase in working capital requirement. Free cash flow was a negative €1.1 million after €1.2 million in non-recurring disbursements.

### 2008 Outlook

In discussing the outlook for its activity in the press release dated February 11, 2008, the company drew particular attention to the difficulty of making forecasts for 2008 and for the medium term, in the present highly uncertain macroeconomic conditions.

As of today, there has been no improvement in these conditions—in fact, the dollar has fallen even further, with a parity that recently crossed the \$1.60 / €1 threshold—and great uncertainty continues to prevail.

Although orders booked in the first quarter are lower than expected, no conclusions can be drawn from this in regard to sales activities over the coming quarters, since an improvement in the business environment could translate into a rapid upturn in investment by our clients. Conversely, a deterioration would lead to persistent weakness in orders.

Meanwhile, the further fall of the dollar could persist. As indicated on February 11, 2008, a fall in the dollar of \$0.05 / €1 for the fiscal year 2008 from the average \$1.50 / €1 parity on which the outlook for the current year was based would result in a mechanical decrease of €2.5 million in revenues and €1.2 million in income from operations.

The company remains confident in its medium-term growth prospects.

The Management Discussion and Analysis of Financial Condition and Results of Operations for the first quarter 2008 are available at <http://www.lectra.com>. First half 2008 financial results will be published on July 29, 2008, after the close of Euronext Paris. The Annual Shareholders' meeting will take place on April 30, 2008.

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### **Microsoft Reports Record Third-Quarter Revenue**

24 April 2008

Microsoft Corp. announced third-quarter revenue, operating income and diluted earnings per share of \$14.45 billion, \$4.41 billion and \$0.47, respectively. Operating income and earnings per share results included a charge of \$1.42 billion, or \$0.15 per share, for the European Commission fine. Income taxes were reduced by \$0.15 per share for the resolution of a tax audit.

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"Our third-quarter results demonstrate the benefit of our diversified business model," said Chris Liddell, chief financial officer of Microsoft. "Our broad span across geographies, product categories and customer segments is a tremendous asset and supports our outlook for double-digit revenue, operating income and earnings per share growth for this fiscal year and also for fiscal year 2009."

Entertainment and Devices revenue for the quarter grew 68% over the comparable period last year driven by demand for Xbox 360 consoles. Cumulative console sales surpassed 19 million during the quarter, up 74% from a year ago. Server and Tools revenue growth of 18% added to its string of consecutive double-digit revenue growth quarters, which now stands at 23.

"The breadth of our product offerings and our ability to provide solutions across a range of customer and partner needs paid off again this quarter. The third quarter also kicked off the largest enterprise platform launch in our company history, which highlights Windows Server 2008, SQL Server 2008 and Visual Studio 2008," said Kevin Turner, chief operating officer of Microsoft. "These new products strengthen our ability to help business customers and partners save money, optimize their people, processes and technology, and position IT as a strategic asset for their businesses."

## Business Outlook

Microsoft management offers the following guidance for the quarter ending June 30, 2008:

- Revenue is expected to be in the range of \$15.5 billion to \$15.8 billion.
- Operating income is expected to be in the range of \$5.8 billion to \$6.2 billion.
- Diluted earnings per share are expected to be in the range of \$0.45 to \$0.48.

Management offers the following preliminary guidance for the full fiscal year ending June 30, 2009:

- Revenue is expected to be in the range of \$66.9 billion to \$68.0 billion.
- Operating income is expected to be in the range of \$26.7 billion to \$27.4 billion.
- Diluted earnings per share are expected to be in the range of \$2.13 to \$2.19.

Additional details on fiscal year 2009 guidance will be provided in the fourth-quarter earnings announcement and during the company's Financial Analyst Meeting on July 24.

## Webcast Details

Microsoft will hold an audio webcast at 2:30 p.m. PDT (5:30 p.m. EDT) today. The session may be accessed at <http://www.microsoft.com/msft>. The webcast will be available for replay through the close of business on April 24, 2009.

For further information regarding risks and uncertainties associated with Microsoft's business, please refer to the "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors" sections of Microsoft's SEC filings, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q, copies of which may be obtained by contacting Microsoft's Investor Relations department at (800) 285-7772 or at Microsoft's Investor Relations Web site at <http://www.microsoft.com/msft>.

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## ***Open Text Reports Third Quarter Fiscal 2008 Financial Results***

29 April 2008

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Open Text™ Corporation announced unaudited financial results for its third quarter that ended March 31, 2008. (1)

Total revenue for the third quarter was \$178.8 million, up 15% compared to \$156.1 million for the same period in the prior fiscal year. License revenue in the third quarter was \$51.5 million, up 20% compared to \$43.0 million in the third quarter of the prior fiscal year.

Adjusted net income in the quarter was \$25.4 million or \$0.48 per share on a diluted basis, up 45% compared to \$17.5 million or \$0.34 per share on a diluted basis for the same period in the prior fiscal year. Net income in accordance with U.S. generally accepted accounting principles ("US GAAP") was \$7.3 million or \$0.14 per share on a diluted basis, up 87% compared to \$3.9 million or \$0.08 per share on a diluted basis for the same period in the prior fiscal year.(2)

Operating cash flow in the third quarter of fiscal 2008 was \$50 million, up 22% compared to \$41 million in the third quarter of the prior fiscal year and up 28% compared to \$39 million in the previous quarter.

"I am very pleased with our performance in the quarter, generating strong cash flow from operations and meeting our profitability targets," said John Shackleton, President and CEO of Open Text. "We are experiencing continued strength in our European sales."

The cash, cash equivalents and short-term investments balance as of March 31, 2008 was \$215.8 million compared to \$150.0 million at June 30, 2007.

Accounts receivable as of March 31, 2008, totaled \$135.7 million, compared to \$128.8 million as of June 30, 2007, and Days Sales Outstanding (DSO) was 68 days at the end of the third quarter of fiscal 2008, compared to 66 days at June 30, 2007.

Please see note (2) below for a reconciliation of non-US GAAP based financial measures used in this press release, to US GAAP based financial measures.

"With the success of Hummingbird evident, we are focusing on new solutions like Enterprise Connect," said John Shackleton. "This enables workers to utilize their business environment to access content from across the enterprise including our competitor's repositories as well as from major enterprise ERP applications such as SAP."

## **Teleconference Call**

Open Text will host a conference call on April 29, 2008 at 5:00 p.m. ET to discuss the final financial results for its third quarter.

A replay of the call will be available beginning April 29, 2008 at 7:00 p.m. ET through 11:59 p.m. on May 13, 2008 and can be accessed by dialing 416-640-1917 and using pass code 21268405 followed by the number sign.

For more information or to listen to the call via Web cast, please use the following link:  
<http://www.opentext.com/events/event.html?id=6712896>.

(1) Based on comparison of historic revenue figures publicly disseminated by companies in the Enterprise Content Management ("ECM") sector. All dollar amounts in this press release are in US Dollars unless otherwise indicated.

(2) Use of Non- US GAAP financial measures

In addition to reporting financial results in accordance with US GAAP, the Company provides certain non-US GAAP financial measures that are not in accordance with US GAAP. These non-US GAAP

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financial measures have certain limitations in that they do not have a standardized meaning and thus the Company's definition may be different from similar non-US GAAP financial measures used by other companies and/or analysts and may differ from period to period. Thus it may be more difficult to compare the Company's financial performance to that of other companies. However, the Company's management compensates for these limitations by providing the relevant disclosure of the items excluded in the calculation of adjusted net income and adjusted EPS both in its reconciliation to the US GAAP financial measures of net income and EPS and its consolidated financial statements, all of which should be considered when evaluating the Company's results. The Company uses the financial measures adjusted EPS and adjusted net income to supplement the information provided in its unaudited condensed consolidated financial statements, which are presented in accordance with US GAAP. The presentation of adjusted net income and adjusted EPS is not meant to be a substitute for net income or net income per share presented in accordance with US GAAP, but rather should be evaluated in conjunction with and as a supplement to such US GAAP measures. Open Text strongly encourages investors to review its financial information in its entirety and not to rely on a single financial measure. The Company therefore believes that despite these limitations, it is appropriate to supplement the disclosure of the US GAAP measures with certain non-US GAAP measures for the reasons set forth below. Adjusted net income and adjusted EPS are calculated as net income or net income per share on a diluted basis, excluding, where applicable, the amortization of acquired intangible assets, other income (expense), share-based compensation, and restructuring, all net of tax. The Company's management believes that the presentation of adjusted net income and adjusted EPS provides useful information to investors because it excludes non-operational charges. The use of the term "non-operational charge" is defined by the Company as those that do not impact operating decisions taken by the Company's management and is based upon the way the Company's management evaluates the performance of the Company's business for use in the Company's internal reports. In the course of such evaluation and for the purpose of making operating decisions, the Company's management excludes certain items from its analysis, such as amortization of acquired intangibles, restructuring costs, other income (expense), share-based compensation and the taxation impact of these items. These items are excluded based upon the manner in which management evaluates the business of the Company and are not excluded in the sense that they may be used under US GAAP. The Company believes the provision of supplemental non-US GAAP measures allows investors to evaluate the operational and financial performance of the Company's core business using the same evaluation measures that management uses, and is therefore a useful indication of Open Text's performance or expected performance of recurring operations and facilitates period-to-period comparison of operating performance. As a result, the Company considers it appropriate and reasonable to provide, in addition to US GAAP measures, supplementary non-US GAAP financial measures that exclude certain items from the presentation of its financial results in this press release.

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## ***SAP Reports Strong Growth in Software and Software Related Service Revenues***

30 April 2008

SAP AG announced its preliminary financial results for the first quarter ended March 31, 2008. Business Objects is included in these results from January 21, 2008 onwards.

[View the Detailed Results](#) (PDF)

[View the Webcast and Presentations](#)

# CIMdata PLM Industry Summary

in € million	SAP - First Quarter 2008*						
	U.S. GAAP			Non-GAAP**			% change constant currency***
	Q1/2008	Q1/2007	% change	Q1/2008	Q1/2007	% change	
Software revenues	622	562	11	622	562	11	18
Software and software-related service revenues	1,736	1,515	15	1,783	1,515	18	24
Total revenues	2,460	2,162	14	2,507	2,162	16	22
Operating income	359	436	-18	489	447	9	20
Operating margin (%)	14.6	20.2	-5.6pp	19.5	20.7	-1.2pp	-0.5pp
Income from continuing operations	247	312	-21	345	319	8	—
Net income	242	310	-22	340	317	7	—
Basic EPS from cont. operations (€)	0.21	0.26	-19	0.29	0.26	12	—

\*All figures are preliminary and unaudited and are based on the current status of the purchase price allocation for the Business Objects acquisition which is not yet final.

\*\* Revenue line items are adjusted for the Business Objects support revenue that Business Objects would have recognized had it remained a standalone entity but that SAP is not permitted to recognize as revenue under U.S. GAAP as a result of business combination accounting rules. Adjustments in the operating expense line items are for acquisition-related charges. See [Appendix](#) at the end of the financial section of the press release for explanations of the Non-GAAP measures used in this press release and for related reconciliations to U.S. GAAP.

\*\*\* Constant currency Non-GAAP revenue and operating income figures are calculated by translating Non-GAAP revenue and Non-GAAP operating income of the current period using the average exchange rates from the previous year's respective period instead of the current period. Constant currency period-over-period changes are calculated by comparing the current year's Non-GAAP constant currency numbers with the Non-GAAP number of the previous year's respective period. See [Appendix](#) at the end of the financial section of press release for details.

## HIGHLIGHTS – First Quarter 2008

### Revenues

- First quarter 2008 U.S. GAAP software and software related service revenues were €1.74 billion (2007: €1.52 billion), representing an increase of 15% compared to the first quarter of 2007. Non-GAAP software and software related service revenues, which excludes a non-recurring

## CIMdata PLM Industry Summary

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deferred support revenue write-down from the acquisition of Business Objects of €47 million, for the first quarter of 2008 were €1.78 billion (2007: €1.52 billion). This represents an increase of 18% (24% at constant currencies) compared to the first quarter of 2007.

- Excluding the contribution from Business Objects, SAP's business contributed 12 percentage points to the constant currency growth of the Non-GAAP software and software related service revenues. This represents the 17th consecutive quarter of double-digit growth in software and software related service revenues at constant currencies.
- U.S. GAAP total revenues for the 2008 first quarter were €2.46 billion (2007: €2.16 billion), which was a year-over-year increase of 14%. Non-GAAP total revenues, which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects of €47 million for the first quarter of 2008, were €2.51 billion (2007: €2.16 billion), which is an increase of 16% (22% at constant currencies) compared to the first quarter of 2007.
- First quarter 2008 U.S. GAAP software revenues were €622 million (2007: €562 million), representing an increase of 11% (18% at constant currencies) compared to the first quarter of 2007.

### Income

- U.S. GAAP operating income was €359 million (2007: €436 million), which was a decrease of 18% compared to the first quarter of 2007. First quarter Non-GAAP operating income, which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects and acquisition-related charges totaling €130 million, was €489 million (2007: €447 million), which was an increase of 9% (20% at constant currencies) compared to the first quarter of 2007.
- The U.S. GAAP operating margin for the first quarter of 2008 was 14.6% (2007: 20.2%). The first quarter Non-GAAP operating margin was 19.5% (2007: 20.7%), or 20.2% at constant currencies. Both the U.S. GAAP and the Non-GAAP operating margins were impacted by accelerated investments of approximately €40 million (2007: €23 million) to build a business around the new SAP Business ByDesign solution to address new untapped segments in the midmarket as announced by the Company at the beginning of 2007. The U.S. GAAP operating margin was additionally impacted by a significant increase in acquisition-related charges as a result of the acquisition of Business Objects.
- U.S. GAAP income from continuing operations for the first quarter of 2008 was €247 million (2007: €312 million), representing a decrease of 21% compared to the first quarter of 2007. Non-GAAP income from continuing operations, which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects and acquisition-related charges totaling €98 million, was €345 million (2007: €319 million), representing an increase of 8% compared to the first quarter of 2007.
- U.S. GAAP earnings per share from continuing operations for the first quarter of 2008 was €0.21 (2007: €0.26), which was a decrease of 19% compared to the same period in 2007. Non-GAAP earnings per share from continuing operations for the first quarter of 2008 was €0.29 (2007: €0.26), which was an increase of 12% compared to the same period in 2007.

### Core Enterprise Applications Vendor Share

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SAP reported its ninth consecutive quarter of share gains. Based on U.S. GAAP first quarter 2008 software and software related service revenues on a rolling four-quarter basis, SAP's worldwide share of Core Enterprise Applications vendors, which account for approximately \$37.4 billion in software and software related service revenues as defined by the Company based on industry analyst research, was 32.6% for the four-quarter period ended March 31, 2008 compared to 31.9% for the four-quarter period ended December 31, 2007, and 28.2% for the four-quarter period ended March 31, 2007, representing a year-over-year share gain of 7.6 percentage points, of which approximately 4 percentage points came from organic growth. All prior period share numbers have been adjusted to reflect the acquisition of Business Objects.

“We are pleased to report our 17th consecutive quarter of double-digit growth in software and software related service revenues, even without the inclusion of Business Objects' contributions for the quarter, along with our ninth consecutive quarter of share gains against Core Enterprise Application vendors,” said Henning Kagermann, co-CEO of SAP. “Our continued strong performance can be partly attributed to having a leading presence in all regions of the world, making SAP a truly global software company.”

Mr. Kagermann continued, “Our growth strategy, which comprises three pillars – the established business, the midmarket and the business user solutions - is working quite well. For the established business, SAP ERP 6.0 adoption is exceeding our expectations, providing continued opportunities for growth of business process platform; the midmarket business continued to perform well with over 1,570 customers from small businesses and midsize companies added in the first quarter; and business user solutions remained the fastest-growing business at the Company. Moreover, we have strengthened our position and significantly broadened our opportunity in the fast-growing market for business user solutions with the successful acquisition of Business Objects.”

## **Cash Flow**

Operating cash flow from continuing operations for the first quarter of 2008 was €1.07 billion (2007: €852 million). Free cash flow for the first quarter of 2008 was €1.0 billion (2007: €773 million), which was 41% of total revenues (2007: 36%). At March 31, 2008, the Company had total group liquidity of €2.4 billion, which includes cash and cash equivalents, restricted cash and short term investments (December 31, 2007: €2.8 billion).

## **Share Buyback**

In the first quarter of 2008, the Company bought back 8.0 million shares at an average price of €32.19 (total amount: €258 million). As of March 31, 2008, the Company held treasury stock in the amount of 54.3 million shares (approximately 4.4% of total shares outstanding) at an average price of €35.50. For 2008, the Company expects to invest an additional approximately €250 million buying back shares.

## **Small and Midsize Enterprises and SAP Business ByDesign**

SAP's small and midsize enterprise (SME) business continued to perform well in the first quarter of 2008 as the Company added more than 1,570 new SME customers (excluding customers from Business Objects) in the quarter, representing a 28% increase compared to the first quarter of 2007. A principal component of the SME strategy is SAP's breakthrough innovative new solution, SAP Business ByDesign. Since last September's announcement of SAP Business ByDesign, the Company has been working closely with early customers and partners to validate and fine-tune the solution. As a result of this process, SAP has elected to modify the rollout strategy for SAP Business ByDesign to ensure a

# CIMdata PLM Industry Summary

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more focused and controlled ramp-up process. The new rollout strategy includes the following:

- For 2008, go-to-market efforts for SAP Business ByDesign will focus on six countries, where all the current productive early customers are based and which represent a large amount of the worldwide volume market opportunity. Additional country rollouts will be executed in 2009.
- It is expected to take around 12 months to 18 months longer than the original 2010 target to reach the SAP Business ByDesign \$1 billion revenue and 10,000 customer potential.
- However, the Company will use SAP Business ByDesign innovations and technologies for the existing solutions and this will contribute significantly to the overall revenues of SAP in 2010.
- Also, the Company will engage with significantly less than 1,000 customers in 2008.

In light of the modified rollout strategy, SAP will reduce its accelerated investments around SAP Business ByDesign in 2008 by approximately €100 million, which is expected to result in additional operating margin expansion in 2008 as noted in the “Business Outlook” section of this release. Furthermore, beginning in 2009 there will be no further accelerated investments. The expected expenses related to SAP Business ByDesign will be funded out of SAP’s normal operational business.

SAP maintains its full confidence in the product, the market opportunity and the associated business model of SAP Business ByDesign, as the Company continues to move toward volume readiness in 2008.

## **BUSINESS OUTLOOK**

The Company is providing the following outlook for the full-year 2008, which differs from the original outlook provided in January 2008 only with regards to SAP’s expectations for the 2008 Non-GAAP operating margin at constant currencies

- The Company expects full-year 2008 Non-GAAP software and software related service revenue, which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects of approximately €180 million, to increase in a range of 24% – 27% at constant currencies (2007: €7.428 billion). SAP’s business, excluding the contribution from Business Objects, is expected to contribute 12 – 14 percentage points to this growth.
- The Company now expects the full-year 2008 Non-GAAP operating margin at constant currencies, which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects and acquisition-related charges, to be in the range of 28.5% – 29.0% (2007 non-GAAP operating margin: 27.3%). The previous outlook originally provided in January 2008 was expected to be in a range of 27.5% – 28.0%. The change is the result of the Company’s decision to reduce accelerated investments around SAP Business ByDesign by approximately €100 million in 2008. Therefore, the 2008 Non-GAAP operating margin outlook now includes accelerated investments around SAP Business ByDesign of around €100 million for the full-year 2008 (previously €175 million to €225 million).
- The Company is projecting an effective tax rate of 31.0% to 31.5% (based on U.S. GAAP income from continuing operations) for 2008.

## **KEY EVENTS – First Quarter 2008**

## CIMdata PLM Industry Summary

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- In the first quarter of 2008, SAP closed major contracts in several key regions including Al Futtain Group, Barclays Bank, Landesamt für Besoldung und Versorgung, Nordrhein-Westfalen, Germany, and Nationwide Building Society in EMEA, Bank of America, LensCrafters, Sigdo Koppers S.A., Tawa Supermarkets in Americas, and Fujian Electric Power Co., Ltd., National Health Insurance Corporation, Korea, Mitsui High-tec, Inc., and Pegatron Corporation in the Asia Pacific Japan region.
- On March 17, 2008, SAP announced an extension of their relationship with Novell to enable customers of all sizes to run, manage and secure mission-critical operations on Linux. In a move that will help meet the growing demand for SUSE Linux Enterprise and provide support for the open source community, Novell and SAP are planning to offer enhanced options for customers who choose to run open source.
- Further enabling customers to realize the benefits of enterprise service-oriented architecture, SAP and IDS Scheer announced an expansion of their strategic partnership that will enable customers, for the first time, to take a model and process-centric approach to the implementation of service-enabled business applications from SAP.
- Building upon its recently announced fast-start program for SAP Business All-in-One solutions, SAP revealed plans for an expansion of its partnership with Intel. SAP and its long-term technology partner Intel intend to introduce a ground-breaking offering that will be offered on an Intel-based system via original equipment manufacturer (OEM) and hardware system providers based on SUSE Linux Enterprise from Novell and the database SAP MaxDB.
- On February 25, 2008, SAP announced the third enhancement package for its enterprise resource planning (ERP) application, SAP ERP. Enhancement packages enable customers to access new software features via a simple download to switch on as needed, responding directly to customer requests for access to new innovation without touching mission-critical core systems.
- On February 25, 2008, SAP announced a new fast-start program for its SAP Business-All-in-One solutions. The program targets midsize companies in the manufacturing, services and trade industries and provides them with the pre-configured industry-specific processes needed to streamline and gain visibility into their core business operations.
- On February 13, 2008, SAP announced that the company had been named “Germany’s Best Employer” for the fourth consecutive year in the 2008 “Great Place to Work” initiative, and that it has been named among the leading employers in Japan by the Great Place to Work Institute (GPTW).
- On February 12, 2008, SAP announced the industry’s first Intelligence Platform. A single, enterprise-scale platform, BusinessObjects XI 3.0 breaks the barriers of traditional business intelligence (BI), helping to ensure that all people connected with an organization can have access to the information they need to make a difference.
- On February 11, 2008, SAP announced the squeeze-out of Business Objects securities by SAP France which was completed during the quarter.
- On January 29, 2008, SAP announced the launch of an industry value network for public security. The Industry Value Network for public security will join 15 existing industry-focused

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networks hosted by SAP and brings together customers, partners and SAP to develop solutions that solve the unique challenges of the public security industry. The solutions are based on an enterprise service-oriented architecture and open standards to fuel a new dimension of industry interoperability and collaboration.

- On January 21, 2008, SAP obtained control over Business Objects.
- On January 21, 2008, SAP and IBM announced at the annual Lotusphere conference plans to deliver their first joint software product codenamed “Atlantic” which will integrate IBM Lotus Notes software with SAP Business Suite. The combined efforts to create “Atlantic” will result in a new style of applications that present information and data in a context familiar to users of the Lotus Notes desktop. This will make it easier for users to do their jobs and greatly enhance the return on investment that companies have made in their SAP applications.
- On January 16, 2008, SAP and Business Objects unveiled their first joint offerings. Nine combined product packages were chosen to address the most common challenges facing business users from the C-suite to main street, which include: gaining better business insight, improving company performance and ensuring compliance with corporate governance policies.
- On January 16, 2008, SAP announced that by uniting two of the technology industry’s biggest brands, SAP and Business Objects now intend to embark on a road map to transform their wide lead in the market of software for business users into leadership in the emerging market for business performance optimization.
- At the National Retail Federation (NRF) 97th Annual Convention and Expo in New York, SAP announced on January 15, 2008, increasing momentum for SAP solutions in the retail industry as evidenced by newly released data for customers that have recently implemented SAP for Retail solutions. More than 500 customers went live with SAP solutions in 2007, solidifying SAP’s reputation as the preeminent solution provider among retailers.

### **Use of Non-GAAP Measures**

This press release contains certain financial measures such as Non-GAAP revenues, Non-GAAP operating income, Non-GAAP operating margin, free cash flow and constant currency period-over-period changes in revenue and operating income. These measures are not prepared in accordance with U.S. GAAP and therefore are considered non-GAAP financial measures. Our non-GAAP financial measures may not correspond to non-GAAP financial measures that other companies report. The non-GAAP financial measures that we report should be considered as additional to, and not as a substitute for or superior to revenue, operating margin or our other measures of financial performance prepared in accordance with U.S. GAAP. See the [Appendix](#) at the end of the financial section of this press release for additional information regarding the Non-GAAP measures included in this press release and for the reconciliations to the corresponding U.S. GAAP measures.

### **Core Enterprise Applications Vendor Share**

The Company provides share data based on the vendors of Core Enterprise Applications solutions, which account for approximately \$37.4 billion in software and software related service revenues as defined by the Company based on industry analyst research. For 2008, industry analysts project approximately 7% year-on-year growth for core Enterprise Applications vendors. For its quarterly share

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calculation, SAP assumes that this approximate 7% growth will not be linear throughout the year. Instead, quarterly adjustments are made based on the financial performance of a sub set of (approximately 25) Core Enterprise Application vendors.

## **Webcast/Supplementary Financial Information**

SAP senior management will host a conference call today at 3:00 pm (CEDT) / 2:00 pm (BST) / 9:00 am (EDT) / 6:00 am (PDT). The conference call will be Webcast live on the Company's Web site at <<http://www.sap.com/investor>> and will be available for replay purposes as well. Supplementary financial information pertaining to the quarterly results can be found at <http://www.sap.com/investor>.

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## ***Virage Logic Reports Second Quarter Fiscal Year 2008 Results***

30 April 2008

Virage Logic Corporation reported its financial results for the second fiscal quarter ended March 31, 2008.

Revenues for the second quarter of fiscal 2008 were \$14.7 million, compared with \$10.6 million for the second quarter of fiscal 2007 and \$14.1 million for the first quarter of fiscal 2008. License revenue for the second quarter of fiscal 2008 was \$12.1 million, compared with \$7.8 million for the same period a year ago and \$10.8 million for the prior quarter. Royalties for the second quarter of fiscal 2008 were \$2.6 million, compared with \$2.8 million for the second quarter of fiscal 2007 and \$3.3 million for the first quarter of fiscal 2008.

As reported under U.S. generally accepted accounting principles (GAAP), net income for the second quarter of fiscal 2008 was \$0.6 million, or \$0.03 per share, compared with net loss of \$1.8 million, or (\$0.08) per share for the second quarter of fiscal 2007 and net income of \$1.1 million or \$0.05 per share for the first quarter of fiscal 2008.

Excluding the effects of FAS123R stock compensation expense and acquisition related charges, the company would have reported a net income of \$1.0 million, or \$0.04 per share for the quarter ended March 31, 2008. The reconciliation of GAAP to non GAAP includes \$1.0 million of stock-based compensation expense and approximately \$143,000 of acquisition related charges and other reduced by \$0.8 million tax effect for a net total of \$1.0 million.

Dan McCranie, president, chief executive officer and chairman of Virage Logic, said, "License revenue increased 13% sequentially, and 55% year-over-year. This is the highest license revenue the company has posted in 12 quarters. Total revenue, which includes royalties, increased 4% sequentially and 39% year-over-year. The growth in license revenue is a direct result of our efforts in the past year on two key initiatives:

- Being first to market with next generation advanced technology products. Our recent introduction of 40nm SiWare™ memory compilers and logic libraries underscores our ability to develop and bring to the semiconductor market our feature-rich products at the most advanced foundry nodes.
- Broadening our product portfolio. Examples of this include the 'productization' of our enhanced memory compiler and yield analysis tools for sales to our IDM customers, the expansion of our product portfolio to include advanced DDR memory interface IP, and the availability of our compiler and library offerings at all the major semiconductor foundries.

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Mr. McCranie continued, "As we mentioned in last quarter's press release, we believe that the semiconductor industry in general continues to outsource building-block IP to third-party providers. We believe that we can benefit from this secular trend. In order to be successful, we must continue to define, develop and execute new business structures, processes and product portfolios to enable deeper, strategic partnerships with our customers."

Mr. McCranie concluded, "We enjoyed strong license bookings in this most recent quarter, including substantial orders from major foundries. In addition, our opportunity pipeline remains strong, particularly in advanced physical IP, as well as our DDR memory interface IP product family. As a result of these two Virage Logic-specific parameters, we continue to be optimistic with regard to our future license revenue growth for our current product portfolio. With regard to royalties, I believe our company will enjoy increased royalty revenue in future quarters, as our customers move their advanced node SoC products into full production. Royalty revenue in current quarters, however, is a reflection of wafer fabrication production at older process nodes. As such, we have seen soft royalty revenues in the first half of fiscal 2008, and we are forecasting continued soft royalty revenues for the third fiscal quarter ending June 30, 2008. However, royalty revenues should increase in the second half of calendar 2008, as our major customers move into production with products on the advanced process nodes."

Virage Logic also announced today its business outlook for the third quarter of fiscal 2008 ending June 30, 2008. The company currently anticipates total license revenues to be in the \$12.4 to \$13.0M range, or up 3 to 7 percent over the previous quarter. Royalty revenues for third fiscal quarter are projected to be \$2.2 to \$2.5M. The company expects to report a non-GAAP earnings per diluted share excluding FAS123R stock compensation expense and acquisition related expenses are expected to be in the range of \$0.04 to \$0.06 for the third fiscal quarter. The company expects \$1.0 million of FAS123R stock compensation expense and \$1.9 million acquisition related expenses that include \$1.8 million of acquisition related performance based payments linked to predefined sales and technology goals for the third quarter of fiscal 2008. Although this news release will be available on the company's website, the company disclaims any duty or intention to update these or any other forward-looking statements.

### GAAP reconciliation

We believe the financial figures we include that are not presented in accordance with GAAP assist investors in understanding our business and operating results. This information is intended to provide investors with useful supplemental data regarding the underlying economics of our business operations because operating results presented under GAAP may include items that are nonrecurring or not necessarily relevant to ongoing operations, or are difficult to forecast for future periods. The Company's management evaluates and makes operating decisions about its business operations primarily based on revenue and the core costs of those business operations. Management believes that the amortization and impairment of intangible assets, stock-based compensation and restructuring charges are not part of its core business operations. Therefore, management presents non-GAAP financial measures, along with GAAP measures, in this earnings release by excluding these items from the period expenses. The income statement line items involved in the adjustment from GAAP to non-GAAP presentation in this earnings release are amortization and impairment of intangible assets and stock-based compensation that are included in cost of revenues, research and development, general and administrative and sales and marketing expenses. To determine our non-GAAP tax provision, the Company recalculates tax based on non-GAAP income before taxes and adjusts accordingly.

For each such non-GAAP measure, the adjustment provides management with information about the Company's underlying operating performance that enables a more meaningful comparison of our finance

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results in different reporting periods. For example, since the Company does not acquire businesses on a predictable cycle, management excludes acquisition-related charges in order to provide a more consistent and meaningful evaluation of the Company's operating expenses. Management also excludes the impact of stock-based compensation to help it compare current period operating expenses against the operating expenses for prior periods. In addition, the availability of non-GAAP information helps management track actual performance relative to financial targets. This information also helps investors compare the Company's performance with other companies in the industry, which use similar financial measures to supplement their GAAP financial information.

Management recognizes that the use of these non-GAAP measures has limitations, including the fact that management must exercise judgment in determining which types of charges should be excluded from the non-GAAP financial information. Management believes that providing this non-GAAP financial information, in addition to GAAP information, facilitates consistent comparison of the Company's financial performance over time. The Company has historically provided non-GAAP information to the investment community, not as an alternative but as an important supplement to GAAP information, to enable investors to evaluate the Company's core operating performance in the way that management does.

Our non-GAAP financial measures are not intended to be performance measures that should be regarded as alternatives to, or more meaningful than, our GAAP financial measures. Non-GAAP financial measures have limitations as they do not include all items of income and expense that affect our operations, and accordingly should always be considered as supplemental to our financial results presented in accordance with GAAP.

## Conference Call

Virage Logic's management will hold a teleconference on second-quarter fiscal year 2008 results at 1:30 p.m. PACIFIC / 4:30 p.m. EASTERN today, April 30, 2008. A replay of the call will be available at (800) 642-1687 (domestic) or (706) 645-9291 (international), access number 42100059 through May 3, 2008; and the webcast can be accessed at <http://www.viragelogic.com> for 30 days.

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## Implementation Investments

### ***Abu Dhabi Ship Building Selects AVEVA Marine for Ship Designing and Building***

28 April 2008

AVEVA announced that Abu Dhabi Ship Building (ADSB), a prominent shipbuilder in the Middle East, has selected the AVEVA Marine software solution to support the design, fabrication and construction of its new projects.

ADSB specializes in the construction, repair, refit and upgrade of Naval, Military and Commercial ships at their yard located in Mussafah, Abu Dhabi. ADSB has especially strong ties with the UAE Navy and is affiliated with several Gulf Navies. Their decision to select AVEVA Marine came after rigorous studies and benchmarks of other commercially available systems. AVEVA Marine has become an integral part of ADSB's exciting business plan.

Major Waleed Al Tamimi of Abu Dhabi Ship Building said "ADSB will use AVEVA Marine to help us achieve the business and operational benefits that we need to meet our current and developing business

plan. In addition to the navy of the UAE, we have been awarded contracts for the navies of other countries. We are also developing our commercial shipbuilding business to match the growing opportunities, particularly in the Arabian Gulf, in support of the expanding offshore and construction industries. ADSB is implementing world-class production technologies and modern working practices and AVEVA Marine is an important component of us being able to do these".

Louay Dahmash, Vice President of [AVEVA](#) Middle East states "AVEVA is proud to announce our alliance with Abu Dhabi Ship Building. The AVEVA Marine portfolio will enable ADSB to design, build and refit their ships productively and efficiently. We were able to show ADSB how AVEVA Marine technology is being used effectively in other shipyards designing and building complex naval ships and also in the offshore industry. AVEVA is looking forward to developing our relationship with ADSB and working closely with their staff".

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## ***Autodesk Announces Unverferth as Inventor of the Month for April 2008***

30 April 2008

Autodesk, Inc. announced that Unverferth Manufacturing Company, Inc. ([Unverferth](#)), a leading provider of agricultural equipment and machinery, has been named as the Autodesk Inventor of the Month for April 2008. By using Autodesk Inventor mechanical design software and Digital Prototyping technology, Unverferth has been able to virtually design, explore and interact with a pioneering series of soil tillers before its agricultural tools are built.

Inventor has also enabled the company to adapt its products to the soil conditions of different geographic regions with minimal time and cost, thanks to the efficiencies that Digital Prototyping enables. Engineers were able to design specific tillage components, specify their ranges of motion, and use the kinematics built into Inventor to simulate components in action. By checking for interferences, engineers have been able to immediately detect a problem, and again modify designs and animate models to reflect the investment associated with building, and rebuilding, multiple physical prototypes.

### **Supporting Low Impact Farming Practices**

Tillage is the process of digging up soil to prepare it for agricultural purposes, such as planting crops. Disturbing the soil in this manner releases carbon dioxide into the atmosphere, contributing to environmental issues such as global warming. Unverferth has been able to support the growth of the more environmentally friendly "conservation tillage" movement by delivering innovative farm equipment that tills soil with minimal surface soil disruption, which reduces carbon dioxide emissions.

"Using Inventor to create a single 3D digital model that can be leveraged throughout the entire product development lifecycle has been extremely beneficial for us," said Steve Hilvers, a project engineer at Unverferth. "We can use digital prototypes to virtually explore a new product or customize an existing product, without having to expend time and money on physical prototypes. As a result, we're making better, more complex products than ever -- products we'd never have dreamed of designing a few years ago, that will have a positive impact on the future of farming."

This increase in innovation has allowed Unverferth to increase the number of new designs brought to the market by 50 percent while lowering the number of physical prototypes it needs to build by 75 percent, helping ensure that a steady supply of cutting-edge agricultural machines are available to maintain the momentum of the conservation tillage movement.

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## About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the more than 700,000 users of Autodesk Inventor software, the foundation for Digital Prototyping. Winners are chosen for engineering excellence and groundbreaking innovation. For more information on Autodesk Inventor of the Month, contact [IOM@autodesk.com](mailto:IOM@autodesk.com).

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## ***Bell Helicopter Selects Sopheon's Vision Strategist™ to Guide Technology and Product Investments***

29 April 2008

Sopheon announced that Bell Helicopter, a leading manufacturer of commercial and military aircraft, has selected Sopheon's Vision Strategist (VS) roadmapping software to enhance its strategic technology and product planning processes. The software is being deployed in the company's Engineering and XworX (Advanced Research) divisions located at Bell headquarters near Forth Worth, TX. Vision Strategist will be used by engineers, systems analysts and executives responsible for advanced product planning.

A wholly owned subsidiary of Textron Inc., Bell has a global reputation for world-class innovation and a legacy of aerospace firsts. Founded in 1935, it designed and constructed its first helicopter in only six months and was the first company to obtain certification for a commercial helicopter. Today, Bell is a leading producer of commercial and military, manned and unmanned vertical lift aircraft. It serves customers in more than 120 countries, and is a pacesetter in aircraft innovation.

The segment of the aircraft industry to which Bell belongs is highly competitive. Development cycles can span decades and products are becoming increasingly complex. One of Bell's principal challenges is finding ways to speed the right new technologies and capabilities to market. The company must be able to understand at any point in time how established and emerging technologies and supplier capabilities link to critical customer requirements. Bell must also have the capacity to efficiently prioritize projects and resources so that it can be a step ahead in meeting those requirements.

Vision Strategist will allow Bell to improve the visibility of strategic planning data and strengthen its ability to anticipate how potential decisions can impact products that can take up to 20 years to commercialize. In particular, Bell plans to use the software's drill-down capabilities to enhance its understanding of technology readiness levels — a measure used by the company and many industry leaders to assess the progress of developing technologies as they mature and become suitable for commercial application.

By providing a single, centralized view of the organization's roadmaps, Vision Strategist is expected to help Bell executives identify, develop and fund the technologies and capabilities that are needed to meet near- and long-term customer demands. Bell has already begun using VS roadmaps to improve insights into where and how the company is spending resources across various programs. In addition, Vision Strategist's capacity to trace the application of technologies in Bell's portfolio is expected to help the company identify technology reuse opportunities.

Vision Strategist's ability to support Bell's existing roadmapping frameworks and organizational structure was a key factor in the selection of the software. Using Bell's planning data to create prototypes during a two-day workshop, Sopheon validated that VS could effectively automate the company's manual roadmapping processes.

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“We conducted a thorough review process and found that Sopheon’s software was the only solution that met our needs,” said Scott Harris, technology innovation manager for Bell Helicopter. “Vision Strategist enables us to objectively review investment options, pool resources across the company and speed the redeployment and development of needed technologies. It takes less time to create roadmaps and we have greater confidence in the quality of the data. Overall, we expect that with VS we will see a significant increase in our return on technology investments.”

With a single, centralized product planning system now in place, Bell employees can share roadmaps, visualize dependencies across programs and access accurate data in real-time to inform decision-making. The company expects to reduce the amount of time and money spent on administrative tasks and to eliminate duplicative efforts in developing, gathering and reporting on technology and product plans.

“Bell Helicopter’s historically strong competitive position reflects their success in creating products that match market needs,” said Bryan Seyfarth, solutions marketing director for Sopheon. “Vision Strategist gives Bell an automated strategic product planning system that will help reduce the uncertainty and risks associated with complex technology and product decisions, allowing the company to more effectively meet customer requirements and accelerate the delivery of new products to market.”

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## ***CSR Selects Virage Logic as Its Trusted IP Partner for Next-Generation Bluetooth® Devices***

28 April 2008

Virage Logic Corporation announced that CSR of Cambridge, United Kingdom, a top global supplier of single chip wireless communications products, has licensed Virage Logic's semiconductor intellectual property (IP) to enable its next-generation technology. CSR will use Virage Logic's Area, Speed and Power (ASAP™) Memory, Self-Test and Repair (STAR™) Memory and STAR Yield Accelerator products for design of its BlueCore™ and UniFi™ product lines.

"Our wireless IC designs demand efficiencies in power consumption, silicon area utilization and yield, and our commitment to product quality obligates the highest test and repair coverage available," said Nick Salter, vice president, IC Integration, CSR. "Virage Logic's silicon proven memory IP portfolio allows us the flexibility to perform tradeoffs between test time, area, and state-of-the-art diagnostics resulting in optimized product implementations. With Virage Logic, we avoid potential delays associated with memory functionality and yield, particularly on new silicon processes."

Virage Logic enables companies such as CSR to proceed with confidence through increasingly advanced lithography process nodes. For next-generation Bluetooth product offerings, CSR is using Virage Logic ASAP memories at 90-nanometer (nm) and will migrate to 65nm where Virage Logic has developed a customized ultra-high density ROM compiler to address unique application requirements.

CSR has also adopted Virage Logic's yield enhancement and silicon debugging tools -- STAR Yield Accelerator -- to effectively bridge the gap between design and manufacturing disciplines and maximize yield. Introduced in October 2007, the STAR Yield Accelerator enables automated ATE vector generation, user-programmable algorithms, silicon analysis, fault isolation to physical coordinates and classification to be used at the critical semiconductor tape-out, bring-up and volume manufacturing

CSR designs single-chip wireless devices for Bluetooth and wireless LAN applications. CSR's BlueCore™ ICs are used in all principal Bluetooth applications, including mobile phones from BenQ,

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HTC, Motorola, NEC, Nokia, Panasonic, Samsung and Sharp; wireless headsets from Hutchison '3,' Jabra, Logitech, Motorola and Plantronics; almost all new models of laptop personal computers with Bluetooth capability introduced since 2003 (including Apple, Dell and IBM); mice and keyboards from Logitech; and in-car communication systems used in Saab, Audi and BMW motor vehicles. BlueCore™ ICs are also approved by Microsoft for use with its Windows operating system.

For more information, visit <http://www.viragelogic.com>.

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## ***Dassault Systèmes Partners with Convergence Education Foundation to Provide Software to Students***

30 April 2008

Dassault Systèmes ([DS](#)) has announced an academic partnership with the Convergence Education Foundation ([CEF](#)), a coalition of automotive and electronics industrialists and educators, whereby the teams participating in the CEF's 2008 Innovative Vehicle Design (IVD) competition have access to DS's solutions. The 12 participating high school teams have 20 seats of software, consisting of CATIA for digital product design, and DELMIA for definition of the manufacturing processes, inclusive of teacher and student training.

“We are excited that we can offer such sophisticated tools to our students for this competition,” said CEF Vice Chairman and Executive Orchestrator Karl Klimek. “The goal of the Innovative Vehicle Design competition is to showcase creative thinking and engineering in vehicle design. Use of Dassault Systèmes' software will make a huge impact on our student's ability to be innovative and try different design scenarios within the time constraints of this program.”

This second IVD competition has student teams from Ohio, Illinois, and Michigan designing and producing a fully-driveable, single person, electric-powered vehicle that must operate for 60 minutes on a closed course in early October 2008. Each team is charged with a slightly different project goal in order to better encourage innovation. To help with the project, schools work with sponsors and mentors from the automotive industry. Awards are presented in numerous categories with all of the vehicles being showcased at the Convergence® 2008 Conference and Exhibition from October 20-22 at Cobo Center in Detroit.

“There is really no car-building program utilizing Dassault Systèmes's DELMIA and CATIA software at the high school level in the U.S.,” said Roy Smolky, worldwide sales operations services & support, DELMIA, Dassault Systèmes. “We are totally supportive of the CEF's vision and efforts to get students involved in the excitement of vehicle design at this early stage of their education. With every automotive OEM using Dassault Systèmes' solutions, we are providing students with skill sets that give them a jump-start on pursuing an engineering degree or directly entering the workforce.”

Mr. Klimek added that the plan is to continue to grow the use of Dassault Systèmes solutions each year, with a goal of 20 teams participating in the automotive competition in 2009-2010. The tools will be made available to other CEF project teams, including Mini-IVD Racing, based on the redesign of a 1/8 scale radio-controlled monster truck, and an Underwater-IVD. An aero IVD and Lunar Vehicle IVD design competition will be unveiled in the near future.

The DELMIA Academic Partner Program provides career awareness and preparation by offering educational institutions—ranging from elementary schools to universities—academic partnerships that include special licensing, purchase arrangements, and sharable resources. DELMIA currently has 70

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North American academic partners, including institutions such as Georgia Tech, University of Michigan, Penn State, Purdue, Wayne State, Ohio Northern, Kettering University and the University of Alabama-Huntsville.

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## ***Harley Ellis Devereaux Selects Bentley's RAM Concept Application to Expand Its Use of Structural BIM Solutions***

30 April 2008

Bentley Systems, Incorporated announced that [Harley Ellis Devereaux](#), a leading architectural, engineering, and planning firm with more than 500 employees in five offices, has selected Bentley's RAM Concept application to help design the concrete structural elements of its 13-story Eastgate Village senior residence project in Chicago. RAM Concept is finite-element-based analysis and design software for reinforced and post-tensioned concrete slabs and mats that allows users to more accurately and efficiently design complex floors. The Harley Ellis Devereaux project team is already using Bentley's RAM Structural System on this project to create the 3D model, perform gravity and lateral stress analysis, and to design the beams, shear walls, and columns. Because RAM Concept is fully integrated with RAM Structural System, the team will be able to cost-effectively complete the design of the flat slab while meeting the project's challenging delivery schedule.

In addition to RAM Concept and RAM Structural System, Harley Ellis Devereaux uses RAM Connection for its structural Building Information Modeling (BIM) needs. RAM Connection is an integrated steel connection design and optimization tool for shear, moment, and brace connections.

"Our firm has relied on the Bentley RAM product family for more than 10 years to enhance our productivity within our structural discipline and facilitate collaboration among our multidiscipline project teams," said Don Giroux, Harley Ellis Devereaux chief operating officer. "Without question, these benefits have contributed significantly to improving the quality of our projects and reducing problems during the construction phase of a project."

Said Jim Corsiglia, a senior structural engineer and principal with Harley Ellis Devereaux, "By adding Bentley's integrated concrete solution to our tool set, we are able to more efficiently complete the design of an entire building all the way down to the foundation. In the past, we would have had to manually transfer loads from one application to another, creating the potential for errors and consequent tedious, time-consuming changes. However, because Bentley's concrete tools interoperate with all of our other RAM applications, we now spend less time correcting errors and more time being innovative and productive in our design work."

To learn more about Bentley's comprehensive structural solutions, visit <http://www.bentley.com/structural>

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## ***IMSI/Design™ Adopts Spatial's 3D Components across Product Line***

29 April 2008

Spatial Corp. and IMSI/Design™ announced a new, long-term agreement to expand licensing of Spatial's 3D component technology throughout the TurboCAD® product line. The new agreement

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covers the use of the 3D ACIS® Modeler with 3D ACIS PHL V5 and 3D Deformable Modeling extensions, as well as 3D InterOp translators.

"We have been using the ACIS modeler in the TurboCAD® product line for many versions. We have been impressed with its reliability and robustness. ACIS and its extensions help our software developers bring new features to market more rapidly," stated Bob Mayer, COO of IMSI/Design. "To maintain our competitive edge, we decided to expand the relationship and leverage Spatial's products and support across our product line. The goal is to gain further development efficiencies and be better able to respond to our customer's requests for new functionality in existing and future products."

Spatial's 3D components and Professional Services accelerate 3D application development. Spatial's ACIS Modeler is a leading commercially available geometric modeling component. ACIS extensions include 3D ACIS PHL V5 for 2D hidden line drawings of 3D models; 3D ACIS Defeaturing for advanced feature recognition to automatically identify and remove model features based on user specified criteria; and 3D ACIS Deformable Modeling for interactive sculpting tools for creating and manipulating freeform curves and surfaces. 3D InterOp Translators enable integration of native and industry standard 3D data formats between design, manufacturing and data management systems. 3D Visualization components provide core graphics infrastructure and functionality for 3D applications. Spatial also offers Professional Services to support all aspects of a customer's software development including code review, program management and application coding.

IMSI Design's flagship product, TurboCAD® Professional, delivers the power of ACIS to architectural and mechanical engineers and designers with exceptional price performance. The new licensing agreement extends across both the TurboCAD Windows and Macintosh product lines.

"The key to our success is forming strong and lasting partnerships with our customers. Our relationship with IMSI/Design, as exemplified by this new contract agreement, is an example of that commitment," acknowledged Keith Mountain, CEO of Spatial. "Our customers, across a wide-range of industries, are under constant pressure to remain competitive and introduce new capabilities and innovative products more rapidly. Our goal is to make those efforts a success."

For more information about Spatial's 3D components and Professional Services go to:

<http://www.spatial.com>.



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## ***OptiTex and Kathy Heyndels Partner for Afroditian Elegance***

28 April 2008

Having already passed her 70th birthday, Kathy Heyndels still embraces change as expressed by both her designs and her adopting OptiTex software to facilitate her creative and production processes.

"I have been producing a variety of fine clothing lines for quite some time: Prêt-a-porter to haute couture to wedding gowns," states Heyndels. "I have four shops throughout Greece, including my flagship store in central Athens that allows me to present my creations to a rather sophisticated crowd. I know that I always have to welcome new factors into my process to stay fresh, and OptiTex is an excellent product to help me continue on my creative journey."

Customers of Heyndels garner considerable benefit from her open-minded approach to design technology. She begins by performing a complete 3D body scan of each customer. The resulting file allows the OptiTex CAD/CAM software to generate an exact image of the customer's body type

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"dressed" in any selected design – a key aspect of the selection process of a made-to-measure item.

All of this allows OptiTex to provide rapid ROI by virtually eliminating fabric and material waste by allowing designers to see how their products move and perform before the first bolt is cut.

"We're very happy to add Kathy to our roster of leading designers who leverage our software," states Ran Machtinger, President and CEO of OptiTex, Ltd. "The breadth of our designers is truly staggering - from Hugo Boss to exciting up-and-comers like Laurance Rassin – and now Kathy Heyndels. We also appreciate our OptiTex business network, as Kathy joined us through Thimios Moutsianas, our dealer in Greece."

Heyndels' Summer 2008 lines harken back to Afroditi-inspired designs with a decidedly modern twist, providing a wide range of apparel where antiquity meets modernity. Her creations were warmly received by representatives of key fashion magazines, buyers for major outlets and industry insiders at her show on April 14.

"After challenging myself by adding OptiTex technology at this point in my career, watching my fashion concepts spring to life on screen and then being so well received at my show was exhilarating," concludes Heyndels. "As I was fusing past and present to create, this was happening on parallel levels combining OptiTex software with my inner visions of beauty. Now my customers, both locally and worldwide, can enjoy the results of this challenge."

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### ***SHW Selects Avatech for Multi-Year BIM Project***

29 April 2008

Avatech Solutions, Inc. announced that SHW Group, a leading architectural firm, has hired Avatech to assist in implementing a state-of-the-art Building Information Model (BIM) technology platform. The plan incorporates consulting services, custom training, software customization, and nationwide support that will run into six figures.

Focusing on the education market, SHW Group employs more than 375 team members in six offices across Michigan, Virginia and Texas. The firm's work spans the globe, with projects in 23 states and three countries. SHW has earned numerous design and planning awards and is consistently recognized as one of the top five education design firms in America by Engineering News-Record.

"Our goal, as a firm, is to jettison technologies of the past and wholeheartedly embrace the benefits of BIM as fast as we possibly can," says Bob Rayes, Director of Advanced Resources, SHW Group. "We needed a technology partner with national reach that could go the distance with us, so we have included Avatech in all our plans, from implementation and customization to ongoing support. We want the system to reflect our practices, not the other way around, and Avatech has the professional team and expertise we wanted."

"As architects for educational institutions, we work hard to extend the reach of public money. We saw early on that BIM would contribute to our ability to be good stewards of public funds. BIM allows us to design spaces more effectively, resulting in improved learning experiences, an ability to meet new green building standards, and a reduction in operating costs over the long run," says Gary Keep, SHW Group's Chief Executive Officer. "Avatech Solutions provides us with a single source for critical technology expertise. Together we have devised a comprehensive plan for change management to guide our BIM adoption."

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“Though today’s software systems such as Autodesk Revit are sophisticated in their ability to drive efficiency and productivity, fundamentally the practice of architecture is not about technology,” says Bruce White, Senior Vice President of Sales at [Avatech](#). “At Avatech, we understand the creative and collaborative nature that design requires. We create design systems and business processes that help architects and engineers design for excellence--with a focus on helping them achieve their business objectives and not on technology for technology’s sake.”

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## ***Siemens PLM Software Helps Andretti Green Racing’s Danica Patrick Win Her First IndyCar Series Race***

2 May 2008

Siemens PLM Software announced that Siemens PLM Software-sponsored driver Danica Patrick of Andretti Green Racing (AGR) – whose cars are developed with the help of Siemens PLM Software technology – won her first IndyCar® Series race, the Indy Japan 300 at Twin Ring Motegi in Motegi, Japan.

Patrick became the first woman in history to win an IndyCar Series event. The victory came in her 50th career IndyCar Series start in which she drove the #7 Motorola car among the top-eight cars for the entire 200-lap event.

AGR, the 2007 IndyCar Series Champion, has won three of the last four IndyCar Series championships with three different drivers. The victory was AGR’s first this season and it extended AGR’s IndyCar Series record to 33 victories.

“Siemens PLM Software congratulates Andretti Green Racing and Danica Patrick on her historic first IndyCar Series win,” said Dave Shirk, executive vice president of Global Marketing for Siemens PLM Software. “Siemens PLM Software is proud of our relationship with the racing teams and is pleased to know that our seamless, open solutions help the teams to put the best cars out on the race track to finish in the winner’s circle.”

Siemens PLM Software has a long tradition of providing NX™ software and Teamcenter® software, through racing sponsorships. Hendrick Motorsports, winner of the 1995, 1996, 1997, 1998, 2001, 2006 and 2007 NASCAR Sprint Cup® Championship; Joe Gibbs Racing®, winner of the 2000, 2002 and 2005 NASCAR Sprint Cup Championship; Roush Fenway Racing, winner of the 2003 and 2004 NASCAR Sprint Cup Championship; and Andretti Green Racing, winner of the 2004, 2005 and 2007 IndyCar Series Championship; have been using Siemens PLM Software technology for many years to develop their cars and improve their performance on the race track. KB Racing, winner of the 2003, 2004, 2005 and 2006 National Hot Rod Association® (NHRA®) Pro Stock Championship, began using Siemens PLM Software technology in 2005, and the Renault® F1 Team, winner of the 2005 Formula One Drivers and Constructors Championships, established a partnership in 2004 using Tecnomatix® software, Siemens PLM Software’s best-in-class digital manufacturing solution.

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## ***SunLink Chooses On-Demand Arena PLM to Help Shorten New Product Introduction Times and Greatly Improve Supply Chain Collaboration***

30 April 2008

## CIMdata PLM Industry Summary

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[Arena Solutions](#) announced that SunLink Corporation, a leading provider of highly engineered, aerodynamically designed, solar electric mounting systems for the commercial market, has chosen Arena PLM to help scale its rapidly growing business. The company will use Arena PLM to help shorten new product introduction (NPI) times, collaborate more effectively with their supply chain partners and better manage product revisions.

Arena PLM will be instrumental in helping SunLink boost its competitive position and scale to serve an industry that is poised to triple in the next three years. By delivering its advanced solar mounting systems, SunLink helps lower the price of solar panel installations, so a growing number of mainstream companies will be able to reduce their need for conventional energy and more easily adopt solar energy - a more sustainable way to meet the world's energy needs and protect the environment. As SunLink grows, it can take advantage of Arena PLM's flexibility, which allows it to easily scale the software accordingly, adding unlimited users any time the company's needs evolve.

"Arena PLM will help us accelerate our time to market and improve our NPI project execution. It will also ensure that our entire supply chain has all the revision information they need to build products on time and on budget," said Ranjan Prasad, director of operations and supply chain management of SunLink. "We're already seeing tremendous demand for our non-penetrating module mounting system, and we expect it to grow exponentially. As a result, we look forward to strong company growth and are glad to know that our Arena PLM implementation can scale with us. We may only have a handful of Arena PLM users today, but I expect that number to be much higher in just a few years."

SunLink evaluated two other PLM systems, but selected Arena PLM after participating in the company's unique try-and-buy program, which gave SunLink a chance to use Arena PLM with its own data and determine whether the software was a fit. Because Arena PLM is delivered on-demand, it is turned on from day one -- requiring no additional hardware or IT staff -- and offers manufacturers a lower cost of ownership and ease of deployment and use.

"[SunLink](#) joins an extensive list of green technology companies choosing Arena PLM for support in bringing products to market faster and more efficiently. By using Arena PLM to reduce costs associated with the development of their products, these front-running companies have been able to play an even bigger role in the sustainability movement," said Craig Livingston, chief executive officer of Arena Solutions. "We are happy to support SunLink as the company delivers its innovative solar solutions to market and, in the process, breaks down the barriers that have prevented the use of this earth-friendly, renewable energy resource."

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### ***Treske Precision Machining Employs Omnify Software to Synchronize Information Across Design and Manufacturing, Reducing Engineering Change Cycles by Over 75%***

29 April 2008

Omnify Software announced that [Treske Precision Machining](#), a manufacturer of Precision Machined Parts, Welded Frames, and Integrated Assemblies, selected Omnify Empower as their PLM solution for its ease of use, affordable cost, and open integration platform. Treske has reported a decrease in their engineering change cycles by over 75% by managing all product information within Empower and sharing released data with manufacturing via a direct integration with their Enterprise Resource Planning (ERP) solution from Epicor Software Corporation, Epicor Vantage® 8.0.

A substantial growth in Treske's customer base and pending ISO certification changed their

## CIMdata PLM Industry Summary

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requirements for managing product information. The company had implemented an ERP solution from Epicor -- a global leader delivering enterprise business software solutions to the midmarket and divisions of Global 1000 companies -- to manage manufacturing information such as job planning, purchasing, inventory and financial data. Treske knew the best way to manage their growing product information and properly track documentation for ISO certification was to employ a PLM solution. Treske's ultimate goal was to integrate the ERP and PLM environments to directly share information through an automated process and eliminate double entry of part data.

"As we searched for a PLM solution, one of the key requirements was that it needed to integrate with our [Epicor](#) ERP solution," said Mark Brenden, engineering manager for Treske Precision Machining. "Omnify provided a straightforward PLM solution that was intuitive, extremely easy to use, affordable, and offered the capability to integrate with our ERP solution that other PLM vendors could not deliver. Omnify also provided an excellent support team that understood our needs which made them our number one choice. We could not be without their PLM solution today."

[Omnify Empower](#) is now the master control database for all system and product documentation at Treske. With Empower, Treske has a single system to manage their 20,000 plus part numbers and associated prints. Centralized storage for all product documentation with revision control, part association and controlled editing helps Treske to comply with ISO standards and facilitate their requirements to receive certification.

Epicor Service Connect coupled with Omnify's open integration platform provided an easy integration process. With the integration to Epicor, engineering does not have to manually enter information in two locations. When engineering releases a part or ECO (Engineering Change Order) from Omnify Empower, it is automatically uploaded to the Epicor ERP system. Planners can then create a method for manufacturing, approve a revision, and generate a job within Epicor. Sharing data between Omnify and Epicor through an automated process has allowed Treske to reduce ECO cycles by eliminating the introduction of errors due to manual entry of BOMs and ensuring planners have correct and current information within the ERP solution. "Our overall ECO processing time has been reduced by more than 75%," stated Mr. Brenden.

"Our open integration platform enables customers to easily share data with their existing engineering and manufacturing systems through an automated process," stated Chuck Cimalore, CTO for Omnify Software. "Innovative customers like Treske who integrate Omnify with their ERP environment are able to eliminate error-prone manual data entry processes and synchronize information across the enterprise to guarantee that all departments have access to current and accurate product data."

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### ***Welsh Water Selects Primavera® for Project and Portfolio Management***

29 April 2008

Primavera Systems, Inc., announced that [Dŵr Cymru Welsh Water](#) in the United Kingdom has mandated the use of Primavera for project and portfolio management (PPM) across its operations to help ensure the success of its capital investment programme, set at £915 million for the period 2008-2010.

At Welsh Water, virtually all new construction, civil engineering, asset capital maintenance, and IT infrastructure work is outsourced in terms of both development and operation. More than 10 primary delivery partners are engaged and a range of PPM solutions were previously in use - including Primavera, desktop solutions, spreadsheets and custom-built solutions. Welsh Water and its contract

partners struggled to gain a full view of each project's schedule, resource requirements and costs in one dedicated system. And it was extremely difficult to assess true progress towards target at the overall programme level. By standardising on Primavera, these issues will be alleviated.

“Recognising that we needed a consistent planning environment to improve programme certainty, we ran a consultative process with the project managers from across all of our outsourcing partners,” said Ian Davies, programme manager at Welsh Water. “We selected Primavera for many reasons, but especially for its superior support for managing large numbers of multi-team projects and because it integrates with SAP, our financial and asset management environment.”

Primavera will provide a platform for Welsh Water to standardise project processes, procedures and data. This consistent approach will help improve managers' visibility, planning efforts, and informed decision making abilities. As a result, Welsh Water will be able to better manage water quality, leakage reduction, environmental, service and efficiency targets as required by customers, the industry regulator OFWAT1 and the regional Welsh Assembly government and other bodies.

“Welsh Water is a great example of a company taking steps to ensure common and effective programme management enterprise-wide and across multiple contracting partners,” said Dean Forbes, vice president, international business, [Primavera](#). “This investment demonstrates Welsh Water's commitment to excellence, and we are working together to ensure a smooth roll-out, which includes a training programme.”

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## Product News

### ***Agilent Technologies Announces 10x Faster Planar 3-D Electromagnetic Simulation***

28 April 2008

Agilent Technologies Inc. announced a 10x speedup of its planar 3-D electromagnetic (EM) simulator, which is part of the Update 1 release of its Advanced Design System (ADS) 2008 EDA software platform. The speed improvement helps RFIC, RF module and high-speed gigabit serial-link designers take advantage of EM simulation for faster, more accurate design and signal integrity verification.

“The cumulative effect of our EM technology improvements means our customers can use our Momentum simulator for accurate, interactive design, and not just for limited sign-off verification,” said Jan Van-Hese, EM R&D project manager with Agilent's EEs of EDA division. “The 10x speed improvement and meshing accuracy makes EM problem-solving possible for even very large and complex designs.”

Momentum is the planar 3-D electromagnetic simulator in ADS 2008. Significant enhancements to its speed and capacity for analyzing large multigigabit serial-link signal integrity, RFIC and RF module design include:

- a fast and memory-efficient solver based on the NlogN matrix compression techniques that tackle problems up to six times larger than previously possible;
- multicore computer use through parallelizing the solve process across all available PC-processor cores;
- distributed simulation over networked computer clusters to perform multipoint EM simulation in

parallel; and

- a robust mesher that intelligently pre-processes layouts imported from other systems to guarantee mesh-related simulation accuracy.

Agilent's Advanced Design System offers complete design integration to designers of consumer and commercial wireless electronic products such as mobile phones, wireless networking, GPS; radar and satellite communications systems, and high-speed digital serial links.

For more information about ADS 2008 Update 1, visit <http://www.agilent.com/find/eesof-ads2008-update1>.

To request a demo of ADS 2008 Update 1, visit <http://www.agilent.com/find/eesof-ads2008-update1-demo-pr>.

## **U.S. Pricing and Availability**

Agilent's ADS 2008 Update 1 is expected to be available for download in July 2008, with prices starting at approximately \$10,000.

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## ***Apache Announces Next Generation PakSi-E, Version 8.1***

28 April 2008

Apache Design Solutions announced version 8.1 release of PakSi-E, its IC package and System-in-Package (SiP) extraction and analysis tool. This latest version delivers over 10X faster runtime performance than previous versions with a next generation capacitance extraction algorithm. In addition, with PakSi-E 8.1, the extraction engines of the standalone version and the unique version embedded in the Cadence Design Systems IC package and SiP flows are now identical.

“PakSi-E 8.1 is the first major release since [Apache](#) acquired Optimal in November, 2007, and it is truly a next generation in IC package and SiP analysis that underscores Apache's commitment to this market and to the Optimal customers,” said Dave DeMaria, senior vice president of Chip-Package-System at Apache. “One of PakSi-E's longtime advantages has been the ability to perform full package extraction. As package design size and complexity increases, the improvement in runtime performance by over 10X will allow our customers to extract and analyze their designs much more effectively.”

“Cadence and Optimal have partnered for over five years in IC packaging and SiP to provide customers with the best integrated solution for 3D package modeling. We are pleased to have extended our relationship with Apache as a preferred technology partner in this market,” said Keith Felton, group director of marketing, Cadence Design Systems. “Now that the latest PakSi-E engine is available in our solutions and is identical to the standalone version, our customers can leverage the latest capabilities, such as multi-port coupling and ease-of-use.”

In addition, PakSi-E 8.1 contains a number of new usability and performance enhancements that will improve productivity, including:

- Improved multi-core extraction for resistance and inductance
- Single pass flow to perform multi-port coupling
- Additional DRCs

- Configurable defaults and settings

Apache will be demonstrating PakSi-E 8.1 at CDNLive! EMEA 2008 in Munich, Germany on April 28th & 29th, and will be available to all customers at the end of Q2.

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## ***Berkeley Design Automation Delivers Industry's First Comprehensive Noise Analysis Tool for Complex Nanometer Analog/RF Circuits***

30 April 2008

[Berkeley Design Automation, Inc.](#), provider of Precision Circuit Analysis™ technology for advanced analog and RF integrated circuits (ICs), announced the availability of a comprehensive noise analysis tool for complex analog and RF circuits. The tool, called the Noise Analysis Option™, handles every type of complex analog and RF circuit, including all analog-to-digital converters (ADCs), phase-locked loops (PLLs), DC:DC converters, frequency synthesizers, and voltage-controlled oscillators (VCOs). Leveraging Berkeley Design Automation Analog FastSPICE™ and RF FastSPICE™ technology, the Noise Analysis Option is fully compatible with existing flows, produces true SPICE accurate results, and is already silicon proven.

Device noise is insidious to GHz nanometer-scale analog and RF CMOS circuit performance. Until now, it has been either impractical or impossible to perform transistor-level analysis of the impact of device noise for many complex analog and RF circuits including sigma-delta ADCs, video DACs, fractional-N PLLs, frequency synthesizers, and wideband VCOs. Design teams have had to rely on hand calculations, system-level models, or costly silicon measurements. With the introduction of the Noise Analysis Option, Berkeley Design Automation is the first company to provide transistor-level noise analysis - including analysis of the impact of white and flicker noise - with true SPICE accuracy for every type of circuit. More than a dozen Berkeley Design Automation customers worldwide are already using the tool on production circuits.

"Device-noise-related issues have a critical impact on the design of our high-performance nanometer analog/RF and mixed-signal circuits," said Osamu Kobayashi, Director Mixed-Signal LSI Lab, System LSI Development Laboratories, Fujitsu Laboratories Ltd. "The Noise Analysis Option gives us true SPICE accurate ADC and PLL noise analysis formidably faster than traditional SPICE transient simulations that do not even include device noise on Fujitsu Laboratories circuits. It is the only tool we know that is able to deliver true SPICE accurate transistor-level noise analysis for our complex mixed-signal circuits."

The Noise Analysis Option, which is immediately available, includes the following functionality:

- Transient-noise analysis 5x-10x faster and 5x-10x higher capacity than any other tool.
- Periodic steady-state (PSS) convergence with up to 50,000 element capacity.
- Periodic noise (pnoise) analysis that has no accuracy/performance tradeoff and is 5x-10x faster than any other tool for complex circuits.
- Oscillator phase noise (oscnoise) analysis that delivers unmatched accuracy on autonomous circuits, provides node and device noise contribution, and automatically provides impulse sensitivity function (ISF) information for every node.

The tool reads standard Cadence Spectre® and Synopsys HSPICE® netlists and models. It is fully

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integrated into Cadence Virtuoso Analog Design Environment and can operate from a command line. It produces standard output formats and includes sophisticated post-processing.

"We design highly complex, ultra-low power RF/analog and mixed-signal SoCs for biomedical applications," said Alan Wong, Wireless IC Design Lead at Toumaz Technology. "We have significant challenges getting accurate noise analysis results with traditional RF analysis tools. Noise Analysis Option allows us to quickly analyze our oscillator and periodic blocks giving typically 5x speedup for no loss in accuracy, when compared to our existing methods."

Berkeley Design Automation tools include Analog FastSPICE™ circuit simulation, Noise Analysis Option™ device noise analyzer, RF FastSPICE™ periodic analyzer, and PLL Noise Analyzer™ stochastic nonlinear engine. The company guarantees identical waveforms to the leading "golden" SPICE simulators down to noise floor (typically 0.1% or less) while delivering 5x-10x higher performance and 5x-10x higher capacity. It achieves this by using advanced algorithms and numerical analysis techniques to rapidly solve the full-circuit matrix and the original device equations without any shortcuts that could compromise accuracy.

Design teams from top-10 semiconductor companies to leading startups use Berkeley Design Automation tools to solve big analog/RF verification problems. Typical applications include characterizing complex blocks (e.g., PLLs, ADCs, DC:DC converters, PHYs, Tx/Rx chains) and running performance simulation of full circuits (e.g., wireless transceivers, wireline transceivers, high-speed I/O macros, memories, microcontrollers, data converters, and power converters).

"Virtually every customer designing complex analog and RF circuits in nanometer CMOS has asked us to extend our award-winning Analog FastSPICE technology to provide fast and accurate circuit simulation that includes device noise impact," said Ravi Subramanian, president and CEO of Berkeley Design Automation. "With the Noise Analysis Option, we are proud to deliver the industry's first practical and comprehensive noise analysis tool for complex analog and RF circuits. The results our first dozen customers have obtained from this tool further reinforce our strong track-record in delivering silicon-accurate noise analysis for nanometer analog and RF designs."

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## ***Cadence Delivers Silicon-Ready Reference Methodologies for ARM Cortex-A9 Processor***

29 April 2008

Cadence Design Systems, Inc. announced the immediate availability of multiple, silicon-ready RTL to GDSII implementation flows based on the Cadence® Encounter® digital IC design platform, for the ARM® Cortex™-A9 processor. The flows are available for three configurations of the ARM Cortex-A9 processor: single core, dual Cortex-A9 MPCore™ multicore processor and quad Cortex-A9 MPCore™ multicore processor. Proven to enable ARM Cortex-A9 processor performance of up to 800MHz (production-margined at worst case PVT conditions), these reference methodologies offer time-to-market savings for customers designing for high performance within tight power constraints for next-generation devices such as smart phones, mobile internet devices, consumer electronics, automotive infotainment, networking and other embedded and enterprise devices.

ARM and Cadence jointly developed and tested these silicon-ready reference methodologies using ARM Artisan® physical IP targeted at a 65-nanometer process. These reference methodologies use the entire Encounter design flow from synthesis, test, and formal verification, to physical implementation and final sign-off, including concurrent static and dynamic power reduction and manufacturing-aware, rule-and-

model-based yield optimization.

The reference methodologies represent what engineers can expect while doing actual tapeouts, including the necessary steps for silicon-ready design, such as timing analysis for on-chip variation (OCV), clock uncertainty and signal integrity (SI); power-reduction techniques to save both static and dynamic power; and yield optimization techniques such as preferred metal fill, multi-cut vias, wire spreading and lithographic hot-spot prevention.

The Cadence reference methodology for the Cortex-A9 processor that was produced from the ARM and Cadence collaboration will be well received by industry-leading companies who are deploying these reference methodologies and implementing designs using a Cortex-A9 processor with an automated, fully integrated design flow.

"As a leader in the design of next-generation devices, NEC Electronics Europe applauds the continuing close collaboration between ARM and Cadence. These reference methodologies are an invaluable part of our design process," said Thomas Langfermann, senior manager of design services for NEC Electronics Europe. "The robust validation methodology incorporated in the silicon-ready flow will improve predictability and reduce our time to market."

"ARM and Cadence are collaborating to provide silicon-ready reference methodologies that can be quickly deployed by engineering teams seeking predictable design flows that deliver superior quality of silicon," said Chi-Ping Hsu, corporate vice president of Power Forward and general manager of IC Digital at Cadence. "The combination of the Encounter advanced technologies and the ARM Cortex-A9 reference methodologies provides designers a complete solution to address the complexities and interdependent needs of low power and new process nodes."

"ARM continues to work with Cadence to provide reference methodologies for our mutual customers," said Peter Middleton, vice president of engineering, Processor Division, ARM. "We are now working with Cadence to extend the flow to incorporate additional low power management capabilities documented in the new chapter that ARM has contributed to the industry publication, A Practical Guide to Low-Power Design."

Cadence will continue to share the results of the Cortex-A9 collaboration through joint seminars and papers presented at events such as CDNLive! EMEA 2008, as well as through low-power techtorials and presentations at Cadence Technology on Tour events.

About the Practical Guide to Low-Power Design

"A Practical Guide to Low-Power Design — User Experience with CPF" was published by the Power Forward Initiative in March 2008 and has been downloaded by more than 1700 times. This continually updated online guide includes chapters contributed by Power Forward Initiative members on their experience with CPF-enabled low power design. The guide is available to designers through the Power Forward Initiative website at <http://www.powerforward.org>.

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## ***Cadence Strengthens Advanced Node Design Solutions With New Production-Proven Enhancements for Custom IC Design***

29 April 2008

Cadence Design Systems, Inc. announced a broad array of new custom IC design capabilities that help

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chip makers accelerate volume production of large, complex designs, especially at advanced node processes of 65 nanometers and below. These production-proven enhancements to the Virtuoso® suite of technologies further strengthen the holistic approach Cadence® has taken to reduce risk and boost productivity while managing scale and complexity.

Major upgrades to the Cadence Virtuoso custom design platform to be delivered in the latest releases provide tighter manufacturability integration, improved parasitic analysis, along with speedier simulation tools for accurate and efficient verification of complex designs. These new features address the current and emerging challenges faced by semiconductor design companies in the development, physical implementation, verification, and manufacturing of complex chips at advanced process nodes.

In September 2007 Cadence coined the phrase "What you design is what you get," or WYDIWYG, to describe a new approach to advanced-node design that features manufacturing-aware physical implementation and signoff capability that is correlated to foundry signoff. By modeling key manufacturing processes within the implementation flow and optimizing early, overall design time is reduced and designers' confidence is increased that the chip will work as intended.

These latest enhancements further strengthen the WYDIWYG approach, delivering the industry's most comprehensive solutions for custom digital, analog/mixed-signal and system-on-chip designs.

Cadence made the announcement today at CDNLive! EMEA in Munich, Germany, one in a series of global technical conferences for users of Cadence technologies. The newly announced technologies and flows will be demonstrated at the conference, which is sponsored by the Cadence Designer Network. Several leading semiconductor companies will present detailed technical papers today and Wednesday at the CDNLive! conference.

Process variations and circuit parasitics have more impact at advanced nodes, forcing designers to run multi-day simulations to validate their designs for silicon. The Virtuoso Spectre® Circuit Simulator with new turbo technology, available now, targets the toughest analog and mixed-signal designs that have extensive parasitics. It accelerates simulation up to 10 to 20 times, cutting the simulation runs from days to hours. The new version of the simulator also includes parallelization techniques that accelerate simulations even further on popular multi-core hardware platforms. Using these new features, designers can get SPICE accuracy with a streamlined use model, thereby improving design reliability and reducing time to volume production. When these enhancements are used in the Virtuoso Analog Design Environment GXL, parasitic problems can be detected and overcome early in the design flow, rather than later when corrections are much more expensive.

The new IC 6.1.3 release of the Virtuoso custom design platform, the industry's leading solution for analog and mixed-signal design, represents a major upgrade to the technology and is expected to be available in Q308. The new capabilities include enabling concurrent design and manufacturing awareness for yield improvement. Tightly integrated with the Cadence Multi-Mode Simulation technology in the new MMSIM 7.0 release, the upgraded platform provides design centering and yield optimization with boosted performance through Cadence optimization technology (both local and global). New Cadence Express Pcells technology reduces design manipulation by up to 10 times over traditional methods.

[Cadence](#) also has integrated space-based routing technology with Virtuoso Layout Suite GXL. This enables custom IC designers to deliver the highest quality of results for their most complex designs.

"With the custom IC technologies announced today, Cadence is delivering a design flow with interwoven manufacturability, and with the performance and interoperability designers need for

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managing the scale and complexity of their advanced node custom and digital designs," said Jim Miller, executive vice president, Products and Technologies Organization at Cadence. "Cadence is enabling customers working at advanced nodes to produce the highest quality of silicon and maximize yield while meeting aggressive schedule deadlines."

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### ***EMC Announces Expanded OEM Portfolio for Software Developers***

28 April 2008

EMC Corporation announced the expansion of its OEM Content Management, Capture and XML Data Management software product portfolio. These offerings allow developers to include sophisticated capture, rich content management capabilities and information rights management in their software products. EMC's commitment to the developer community means independent software vendors can deliver more complete solutions to their customers, enabling the rapid delivery of new products to new markets, growing top and bottom lines.

With today's announcement, EMC further positions itself as a complete source of enterprise content management (ECM) solutions designed specifically for independent software providers wanting to rapidly and cost effectively embed first-in-class functionality in their applications. EMC's broad range of content management products available to developers now include: enterprise-strength document management, business process management, records management, information rights management, XML data management, and a host of document capture solutions.

The most recent addition to the EMC OEM family is the EMC Documentum XML Store OEM Edition for XML data management — designed to manage technical information, publish complex documentation, and share data anywhere. XML Store OEM Edition is the fastest and most scalable XML database powered by open standards and is suited for data intensive industries such as aerospace, manufacturing, publishing, and the public sector.

"At DocZone.com, we offer hosted XML content management services that help our customers reduce the costs of creating, translating, and publishing technical publications and online help. We wanted to be first-to-market with a SaaS solution that leverages best-of-breed XML database technology," said Dan Dube, Managing Director, DocZone.com. "We selected EMC Documentum XML Store OEM Edition for its adherence to open standards, strong support for multilingual content, and high performance. EMC's XML technologies for OEM offer us the most scalable performance of all XML content management systems we evaluated. Our customers depend on our hosted DocZone XML content management service. Leveraging EMC's technology makes good business sense."

EMC's Information Rights Management software development kit (SDK) is targeted towards software developers, Web 2.0 applications, software as a service (SaaS) environments and product equipment companies offering developers a means to include information control and security to ensure that sensitive information remains secure as it is shared both internally and externally. These industry leading solutions are optimized for developers to easily plug into their applications and enables independent software vendors to keep up with the increasing demands of customers.

"Our Evidence Management solutions with EMC Information Rights Management provide the best protection developed for our customers to date, and furthers our ability to drive down corporate risk and costs in ways no other eDiscovery provider can," said Tom Thimot, President and CEO of CaseCentral. "CaseCentral provides an on-demand Evidence Management platform to corporations and law firms."

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With EMC's IRM technology embedded into our software, we are able to offer our customers the ability to control, secure, and track their evidence - something that differentiates us from our competitors."

## EMC's Core Offerings for OEMs—Capture, Store, Secure, and Archive

EMC's OEM offerings are anchored by the EMC Documentum Content Server OEM Edition, the world's first embeddable ECM platform for independent software vendors. Using Content Server OEM Edition as an embedded repository and content platform significantly lowers the research and development expenses related to building an application that involves unstructured data assets ranging from documents, images, audio, and video to reports and messages. Content Server OEM Edition offers the same unified architecture, programming interfaces and functionality as the EMC Documentum Enterprise Content Management (ECM) platform on which customers have come to rely.

Another core member of the OEM family is EMC Documentum ApplicationXtender document management software, which electronically stores, organizes, and manages virtually any kind of business content. Based on Microsoft Windows/.NET-optimized system, ApplicationXtender integrates document imaging, viewing and annotation, report management, workflow, and document management services. ApplicationXtender is easy to implement, integrate, and manage, providing instant, role-based access to content from either a desktop interface or web browser, and its quick deployment makes it ideal for midsized organizations and enterprise departments.

To capture-enable their applications, developers can choose from the EMC Captiva family of paper scanning products. Captiva's document capture and intelligent document recognition solutions automatically feed an organization's information system faster, more cost-effectively and with greater accuracy than traditional data entry and manual filing alone—and software vendors can provide a more rapid return on investment and greater compliance control than ECM applications without a capture function. Both EMC Captiva PixTools ISIS SDKs and Dispatcher API provide developers with the ability to build or integrate sophisticated document capture capabilities into their applications.

"CCH, a Wolters Kluwer business (CCHGroup.com), is a leading provider of tax, accounting and audit information, software and services. We've incorporated world-class capture technology from EMC Captiva software into our ProSystem fx Scan, resulting in a complete solution for firms looking to save time and money by automating the conversion of paper documents into business-critical data and digitized images," said Stuart Gill, CCH Product Manager. "Working with EMC has proven to be beneficial to our product offerings as well as our customer reach."

To complement the product offerings for the OEM developer market, partners can also leverage a wide range of best-in-class programs for building applications and solutions integrated with the Documentum platform through the EMC Velocity2 Technology and ISV Program. Benefits encompass technical support, access to training, application interoperability testing and certification, as well as marketing and business development support.

For more information on these programs, call or e-mail: 800/607-9546 or [EMC\\_OEM\\_Inside\\_Sales@emc.com](mailto:EMC_OEM_Inside_Sales@emc.com).

Additionally, OEMs who are interested in learning more about EMC and the OEM program can visit <http://www.emcinside.com>, which goes live on Friday, May 2.

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***Mentor Graphics Aligns with UMC to Validate the Accuracy of Calibre nmDRC Physical Verification***

## ***UMC 65nm Deck***

29 April 2008

Mentor Graphics Corporation announced that it has worked with leading foundry UMC to validate the accuracy of UMC's 65nm physical verification flows using the Calibre nmDRC product. Using one of UMC's advanced 65nm customer products as the test design, the cooperative effort verified that UMC's 65nm Calibre production decks accurately reflect the design rule manual for this node, providing UMC customers with even greater confidence in the manufacturability of their 65nm chip designs.

Because the Calibre tool's performance and accuracy are highly valued by UMC customers, it is the first available for each new technology node, and is used internally by UMC's engineering groups. UMC and Mentor Graphics previously partnered to demonstrate the superior performance of the Calibre nmDRC product with Hyperscaling as announced in the "Mentor Graphics Calibre nmDRC Adopted by UMC to Address Shifting Requirements for Sign-off," press release on July 16, 2006 (see [http://www.mentor.com/company/news/calibrenm\\_umc.cfm](http://www.mentor.com/company/news/calibrenm_umc.cfm)).

"The accuracy evaluation performed by UMC and Mentor Graphics proves that our customers have access to a leading EDA source for optimal design verification speed as well as a highly accurate verification flow," said Lee Chung, vice president of global marketing at UMC. "As we were able to validate the accuracy of our advanced decks and optimize them for speed, we are providing customers with proven accuracy and performance solutions created to help get their designs to market faster."

[Mentor](#) verification tools are available as part of UMC's Foundry SoC Solutions, which include other comprehensive EDA and design support resources that complement the foundry's leading-edge process technologies. UMC's 65nm technology is currently in volume production at the company's two 300mm fabs for a variety of customer products.

"Calibre customers can take advantage of the huge nmDRC performance leap by simply qualifying the latest release - realizing great performance for nanometer IC designs, and benefiting from the focus of UMC's latest verification flow development efforts," said Joe Sawicki, vice president and general manager for the design-to-silicon division at Mentor Graphics. "Upgrading to the Mentor nm Platform also enables customers to establish a comprehensive DFM flow with Mentor tools for critical area analysis and reduction, CMP analysis with intelligent fill, litho process checking and enhancement, design-for-test, and rapid yield learning based on volume test data."

Calibre nmDRC is an important component of the overall Calibre nm Platform that provides customers superior solutions for DRC, LVS, extraction, critical area analysis (CAA), critical feature analysis (CFA), chemical mechanical polishing (CMP), and litho friendly design (LFD) analysis—all required to solve yield challenges of the nanometer era.

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## ***New Cadence Technology Speeds Analog and Mixed-Signal Verification***

29 April 2008

Cadence Design Systems, Inc. announced the immediate availability of advanced "turbo" technologies within the Cadence® Virtuoso® Spectre® Circuit Simulator. The turbo technology boosts performance while ensuring silicon accuracy, enabling designers to verify their complex large analog designs, such as phase-locked loops, analog-to-digital converters, transceivers, clock data recovery circuits and power supply circuits.

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The new Spectre turbo technology addresses a broad variety of challenges across all analog design methodologies and process nodes by delivering a five to 10 times performance gain over existing solutions without any loss in accuracy. This speedup enables analog and mixed-signal designers to verify large, complex designs, correlating the results with silicon behavior while meeting aggressive tapeout schedules. The turbo technology also efficiently analyzes the potential impact of physical parasitics that can threaten designs in advanced process nodes, delivering up to 10 to 20 times performance gains for designs with large amounts of parasitics.

Several industry-leading companies participated in an early access program, giving them a hands-on opportunity to validate the Spectre turbo technology.

"We found that Spectre turbo technology improved productivity, reducing the simulation run time for pre-layout designs by up to five times without any sacrifice of full SPICE accuracy," said Hisaharu Miwa, general manager, Design Technology Div. LSI Product Technology Unit at Renesas Technology Corp. "It was simple and straightforward to use, requiring no ramp up time from our engineers."

"Accuracy and high performance simulation for pre-layout and post-layout circuits are key for us," said Dr. Saeed Navid, vice president at Maxim Integrated Products. "We are seeing a significant performance boost for multiple circuit types, with full SPICE accuracy and without any need to change the simulator settings. In post-layout simulation, this new technology has shown to be particularly successful when compared to traditional SPICE simulators. We look forward to using it in our production flow very soon."

Spectre turbo technology has been extended beyond the core Spectre algorithms to include advanced device model analysis techniques that deliver orders-of-magnitude faster performance for pre-layout and post-layout verification of complex analog designs such as PLLs and ADCs. With the new technology, designers can also take advantage of the latest multi-core processor-based hardware to gain additional speedup using the built-in multi-threaded algorithms. Spectre turbo technology is tightly integrated with the Virtuoso Analog Design Environment and provides out-of-the-box usability with full SPICE accuracy.

"Analog and mixed-signal simulation is a key investment area for Cadence and we are developing advanced core technologies such as the turbo technology to provide leading-edge customers with the highest performance and accuracy for verifying their most complex designs," said Jim Miller, executive vice president, Products and Technologies Organization at Cadence. "With this release, Cadence is further enhancing its holistic approach in the custom IC design market, providing customers with a comprehensive solution for integrated circuit design, verification and implementation."

Virtuoso Spectre Circuit Simulator is part of Virtuoso Multi-Mode Simulation, the Cadence complete solution for circuit simulation, which offers optimized technologies for the entire spectrum of analog, RF, memory and mixed-signal SoC designs. Spectre turbo technology is available in production as part of the April 2008 Cadence Multi-Mode Simulation 7.0 release.

The speed enhancements from the turbo technology are a key element in the Cadence end-to-end solution for designing, verifying and implementing chips at advanced nodes. Cadence made the announcement at CDNLive! EMEA in Munich, Germany, part of the Cadence Designers Network's series of technical conferences for users of [Cadence](#) technologies.

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## ***Right Hemisphere's New Deep Exploration Software Delivers Real-Time 3D Manufacturing Instructions Support***

28 April 2008

Right Hemisphere® announced a new version of its Deep Exploration client software featuring support for the creation of real-time 3D manufacturing instructions. In addition to support for real-time 3D manufacturing instructions, the new Deep Exploration 5.5 release offers several new licensing options; user interface enhancements to improve ease of use and workflows; and new features for technical illustration work. Deep Exploration 5.5 is expected to be available for purchase in June 2008.

"This release of Deep Exploration was completely customer driven," said Rix Kramlich, vice president of worldwide marketing for Right Hemisphere. "We've been collaborating with our enterprise customers on an emerging business process solution we're calling 3D Visual Manufacturing and supported it by giving Deep Exploration 5.5 the ability to generate and output real-time 3D manufacturing instructions. With the ability to output 3D manufacturing instructions, our customers can now expect to significantly speed up critical manufacturing production cycle times. Along with this exciting new functionality, we've incorporated many other features in the product as well as responded to customer requests for a new subscription-based pricing model with floating license options."

Eclipse Aviation, the world's leading manufacturer of very light jets (VLJs), produces the innovative and affordable Eclipse 500®. Challenged with unprecedented demand for the Eclipse 500, Eclipse Aviation has embraced an innovative technology solution from Right Hemisphere to accelerate the company's production cycle. Eclipse Aviation is replacing the use of text-based documents to guide various assembly procedures with the visual manufacturing instruction procedures created using Right Hemisphere's software solutions. For manufacturers like Eclipse Aviation, moving from text-based to visual, 2D and 3D-based manufacturing instruction procedures is an ideal way to accelerate production cycles. Using a visual instruction-based process also can reduce human errors on the production floor and improve overall product quality.

Deep Exploration 5.5 makes creating visual assembly procedures an easier, more flexible experience for the content author. The software supports the creation of multiple Procedures using Steps, and the ability to automatically assign dummy animation sequences as placeholders to facilitate the story-boarding process. It also offers 2D layer support and a symbols library so that the content creator can drag an icon of a drill, for example, and tolerance numbers into a scene. By enabling content creators to include more symbols, icons and numbers, Deep Exploration is also helping manufacturers to build more intuitive, language-neutral manufacturing assembly procedures. With less language and text, and more 2D and 3D visual directions, manufacturers can also expect to reduce human errors and to more easily support a distributed, global manufacturing operation.

In addition to support for visual manufacturing instructions, Right Hemisphere Deep Exploration 5.5 offers users several convenient new licensing options, such as:

- Network License Management which allows customers to have a floating license system.
- Internet License Activation which allows customers to license Deep Exploration on their computer for a period of time or forever.
- Manual License Activation which enables a single customer who does not have access to the internet and is not using Network License Management to be authorized by email and then to manually enter in the requisite authorization key.

Deep Exploration 5.5 further delivers:

- New user interface enhancements such as the ability to have five different window panes -- for parts, materials, scene components, animations, and layers -- open and visible simultaneously.
- The ability to middle mouse-click on a part to change the current camera's focus and pivot point, enhancing the 3D scene navigation and display
- New technical illustration functionality such as enhanced CAD loaders to enable dynamic "thick and thin" line display and output; WYSIWYG export to support vector and faster formats; and enhanced callout dialogs to improve the speed of authoring.

Deep Exploration is available in two versions, Deep Exploration CAD Edition and Deep Exploration Standard Edition. The primary difference is Deep Exploration CAD Edition includes CAD translators and the Standard Edition does not. As a result, the CAD Edition also costs more per license than the Standard Edition. However, customers with Right Hemisphere's Deep Server™ enterprise software already have this translation capability in their Deep Server solution and can enjoy purchasing the lower cost Deep Exploration Standard Edition client tools without paying for functionality they already have. Both editions will be available for trial or purchase from the company's Web site at <http://www.righthemisphere.com> in June.

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## ***Significant Time Gains With TopSolid'CAM***

30 April 2008

Missler Software announced significant time gains for TopSolid'Cam users in the latest version of its CAM module. Thanks to the optimisation of certain algorithms together with the new possibilities offered by instruction sets available in Intel processors, TopSolid'Cam can now offer significantly reduced calculation times for 3D operations. Here is a summary of just some of the resulting time gains (we have compared the most recent version of TopSolid'Cam 2008 with previous versions):

Machining on parallel planes: Between 1.5 to 1.8 times faster

Constant crete machining: Between 1.5 to 2 times faster

Z-Level machining: Between 2 to 2.5 times faster

Revolved parallel plane machining: Between 1.5 to 2.5 times faster

Roughing: Between 1.3 to 1.5 times faster

Residual material removal: Between 1.2 to 1.6 times faster

Note:

A result of 2 indicates that the calculation is done twice as fast. Thanks to the latest version of TopSolid'Cam it now only takes 1 hour (instead of 2 hours) to calculate constant crete machining.

The above time variations are due to the different processors tested and can also be accounted for by taking into account the age of the processors and the instruction sets of the processors. TopSolid'Cam operators need to work on a processor that can manage SSE2, SSE3 and SSSE3 instruction sets to benefit from the aforementioned time gains.

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## **Synopsys Releases Silicon Proven 5.0 Gbps PCI Express 2.0 PHY IP**

28 April 2008

Synopsys, Inc. announced the availability of the DesignWare PHY IP for PCI Express 2.0 (Gen II), based on the PCI Express 2.0 base specification. This product release further extends Synopsys' IP leadership by providing designers with a complete, silicon-proven PCI Express 2.0 IP solution, including digital controllers, PHY and verification IP from a single vendor. Accessing all the IP from one provider allows designers to lower the risk and cost of integrating the 5.0 Gbps PCI Express interface into their high performance system-on-chip (SoC) designs.

PCI Express 2.0 doubles the 1.1 specification transfer speed from 2.5 Gbps to 5.0 Gbps per lane, meeting the demand for both increased bandwidth and narrower interconnect links in data center, storage, high-end graphics and networking infrastructure applications. Backwards compatibility with the PCI Express 1.1 and PIPE specifications, allows designers to optimize performance and power while maintaining interoperability with existing devices. The DesignWare PHY IP substantially exceeds the PCI Express 2.0 electrical specification in areas such as jitter, margin and receive sensitivity, thus delivering a robust design without sacrificing performance. The DesignWare PHY IP for PCI Express 2.0 includes advanced built-in diagnostic capabilities and ATE test vectors enabling at-speed production testing of the PHY. It is implemented in standard CMOS digital technologies and does not require special process options, providing both ease of integration into a SoC, and ensuring high production yields.

"Synopsys continues to be an IP leader, by providing designers with a robust, silicon-proven PCI Express 2.0 PHY that supports the Common Platform technology," said David Steer, director of IP Business Development at Chartered Semiconductor. "By combining the DesignWare PHY IP with the multi-sourcing capabilities of Common Platform technology, designers benefit from having a high quality mixed-signal PHY that can be manufactured at multiple foundries using a single GDSII source."

"We have had an extensive relationship with Synopsys on PHY IP and have been very pleased with their architecture, technical knowledge, support and capability," said Regina Darmoni, director, Analog/Mixed Signal & Digital Foundry, IBM. "The DesignWare PHY for PCI Express 2.0, which is available in the 65-nm IBM ASIC offering and the 65-nm Common Platform foundry technology, enables us to successfully deliver high quality solutions to the market."

"PCI-SIG welcomes the introduction of the new Synopsys DesignWare PHY IP for PCI Express 2.0," said Al Yanes, PCI-SIG chairman and president. "As an active member of PCI-SIG, Synopsys helps to prepare the industry for the proliferation of the PCI Express technology and we are happy to see them enable designers to integrate the latest specification into their chips."

"With the release of the DesignWare PHY for PCI Express 2.0, designers can now get access to a complete silicon-proven IP solution from a single, trusted vendor," said John Koeter, senior director of marketing for IP and Services at Synopsys. "As the leading provider of PCI Express IP, we continue to invest heavily in our IP roadmap to deliver low risk, high quality IP solutions that help our customers bring differentiated products to the market faster."

### **Availability**

The DesignWare PHY IP for PCI Express 2.0 is available in leading 65-nm foundry processes, notably

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the Common Platform technology from IBM and Chartered, which provides users with a "copy exact", multi-source capability enabling them to use multiple foundries with no design re-work.

The DesignWare IP digital controllers and verification IP for PCI Express 2.0 are also available today. For more information or to take a virtual tour of the Synopsys IP lab, please visit:

<http://www.synopsys.com/pciexpress>. In addition, participate in the mixed-signal IP blog at: <http://synopsysoc.org/msip-blog/>

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## ***Theorem's Latest CADverters Provide Major Productivity and Operational Improvements***

28 April 2008

The first phase release of CADverter Version 11.0 from engineering data exchange specialist, Theorem Solutions Ltd delivers major productivity and operational improvements along with a host of new CAD and visualisation capabilities.

Incorporating more enhancements, updates and innovations than any previous CADverter release, Version 11.0 features a completely updated graphical user interface (GUI), with more intuitive operation for occasional users, as well as streamlined access to Theorem's latest translation and data manipulation functionality. It also includes an easy-to-use batch processing option and the ability to define and store specific translation parameters to suit individual requirements.

Key developments in the latest version include improved handling of extremely large assemblies, which may typically contain more than one gigabyte of information. Interactive operation is a further new capability included in the phase one release, enabling users working in one CAD system to initiate translations from within their active session. As a result, parts or assemblies that are being worked on can be exported directly to another CAD format.

Other new developments in Version 11.0 include the ability to create simple analytical representations when outputting geometry. This is particularly useful for manufacturing operations using the translated data, which will automatically be defined to include arcs and circle centres. In addition, when employing CADverter's CAD to CAD translation capabilities, users can choose to output a lightweight tessellated representation as an alternative to the full geometric product model. Not only does this offer significantly increased processing speeds – particularly when dealing with large assemblies – it also provides a convenient method of both protecting intellectual property and overcoming potential geometry output issues within the supply chain.

Through the phase one release, Version 11.0 CADverters will be available for Theorem's key CAD to CAD products, as well as the company's market-leading range of CAD to visualisation translators.

All new sales from 11th April will be shipped as Version 11.0 products and existing Theorem customers will receive upgrades to Version 11.0 under current maintenance agreements.

“Many of the new CADverter developments add extra value for existing users by dramatically increasing both the speed and ease of use,” says Theorem Solutions' managing director, Stuart Thurlby. “Furthermore, Version 11.0 incorporates a wealth of new capabilities that reflects changes in the way our products are being applied throughout the PLM supply chain market.”

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## ***Valor Appoints Technical Resources Corporation (TRC) as Representative in Florida and the Caribbean***

28 April 2008

Valor Computerized Systems Ltd announced the appointment of Florida-based Technical Resources Corporation (TRC) as a representative in the electronics assembly market in Florida, Puerto Rico and Dominican Republic. The new partnership extends Valor's reach in this territory and enables the electronics manufacturing industry in the region to benefit from its best-in-class solutions, including vPlan – Valor's next-generation, enterprise-level process engineering software solution, and vManage - Valor's software solution for End to End Manufacturing Monitoring and Control.

Headquartered in Boca Raton, Florida, TRC is a provider of manufacturing, inspection, and synergistic products for the PCB assembly industry in Florida and the Caribbean with close to 15 years of experience serving customers such as Jabil, Lockheed, Lear, Harris, Rockwell Collins and others.

“Valor is synergistic to our smart material handling solutions from Inovaxe as well as the installed base of SMT placement machines in our region. With more than 15 years of experience and expertise in design, DFM, assembly and box build software solutions that Valor brings to our organization, we feel that we partnered with a supplier that has solved countless problems for its customer base, and this is the right partner at the right time.” said Frank Mascetti, TRC Founder and president.

Technical Resources Corporation, founded in 1993 by Frank Mascetti, is a Manufacturers Rep firm which specializes in manufacturing, inspection, and synergistic products for the PCB assembly industry. Mr. Mascetti holds a B.S.E.E. from the University of Maryland and has worked for such companies as Westinghouse, Racal Milgo, and GenRad before founding TRC. The combined resources in our company provide over 100 years of expertise serving the electronics industry in Florida, Puerto Rico and the Dominican Republic. More information about TRC can be found on <http://www.trcflorida.com>.



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