PLM Industry Summary

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Company News

CGTech Invited to Chinese Numerical Control Competition (CNCC) as Special VIP Guest

30 October 2008

CGTech was invited as a special guest to the Third Chinese Numerical Control Competition (CNCC) in Dalian, China. Thousands of NC programmers from around China competed at local and province levels for a chance to be one of 607 competitors at CNCC.

The Chinese Labor Minister and many other national and provincial government leaders attended the ceremony and the event is covered by national newspapers and television newscasts. "Obviously, the Chinese government is taking manufacturing very seriously," said CGTech's President Jon Prun. "To get an idea of what the opening ceremony looked like, think back to the Beijing Olympics. This event was only slightly smaller in scale."

The testing is broken into two main sections. The first is a seven hour machine operation test. Each contestant must machine his or her part correctly on a machine tool. The second part of the test is a three hour software exam that is broken into three parts: CAD design, NC programming, and a VERICUT exam.

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Dassault Systèmes Names Michel Tellier CEO of ENOVIA

29 October 2008

Dassault Systèmes (DS) announced that Michel Tellier has been appointed CEO of ENOVIA, DS' brand for global collaborative lifecycle management, effective immediately. Mr. Tellier joined DS in 1997 as Program Manager for the VPM solution, and since then held increasing levels of responsibility including business development for ENOVIA and development of the DS Services & Consulting organization in the Americas.

Earlier this year Mr. Tellier assumed global responsibility for Dassault Systèmes Solutions organization, where he has successfully led the implementation of PLM for diversified customers. Mr. Tellier has also been leading the PLM deployment for major Boeing global programs, including the Boeing 787 Global Collaboration Environment (GCE).

"Michel Tellier brings an extraordinary PLM experience to his new role as CEO for ENOVIA. His strong customer expertise, deep technical knowledge and industry vision have been instrumental in the development of specialized solutions for accelerating ENOVIA's diversification in various industries," said Bernard Charlès, president & CEO, Dassault Systèmes. "Moving forward Michel will have a crucial role in ensuring that we continue to deliver against the promise of our overall vision of PLM 2.0 with ENOVIA becoming the online collaborative platform for our next generation V6 applications."

Previously Mr. Tellier worked for Bombardier Aerospace in Dorval, Canada where as an engineering manager he was responsible for the internal transformation to a 3D digital design-based aircraft development process. Mr. Tellier holds a degree in Mechanical Engineering from Dalhousie University, Halifax, Canada.

Joel Lemke, who has served as ENOVIA CEO since 1998, will support Mr. Tellier during the transition period ending December 31st, 2008. At that time Mr. Lemke will become an entrepreneur in the DS ecosystem, founding a new company aimed at selling ENOVIA and DS PLM solutions in new markets as a DS Business Partner. After a successful career at IBM, Joel joined DS in April 1998 as CEO of ENOVIA. Under his leadership, and with the support of his team, the MatrixOne, ENOVIA VPLM, and SmarTeam PLM offerings have been successfully integrated into a unified ENOVIA brand, establishing the ENOVIA product suite as a market leading Product Lifecycle Management (PLM) solution. Today,

ENOVIA serves as the core of the DS V6 platform.

Mr. Charlès added, "I would like to thank Joel for his continuous dedication to the DS Group and his contribution during the tremendous period of growth over the past 11 years. I am looking forward to working with Joel to build the future together through his new venture."

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Delcam Offers Free Guide to Quality Control with On-Machine Verification

28 October 2008

Delcam has produced a free guide to the use of On-Machine Verification (OMV) in controlling the quality of machined parts and tooling. The guide, which is available in DVD format, covers the benefits of using OMV and the types of application where the approach is most advantageous. To order a copy, simply send an email to marketing@delcam.com.

On-Machine Verification allows initial checking of machined parts to be carried out in situ on any CNC machine tool rather than having to transfer them to coordinate measuring machines for inspection. Most modern machine tools either come with, or can be retrofitted with, probing capabilities to assist in the set-up of the job. With OMV, this same equipment can now be used for verification at little extra cost.

The main advantage is that any mistakes are discovered where they can be corrected – on the machine tool. The most obvious benefit of On-Machine Verification is for those companies that do not have existing inspection capabilities, for example, organisations that machine parts so large that the cost of dedicated facilities is prohibitive.

However, companies with independent inspection facilities can also save time with OMV, especially those that produce large parts or tooling. Repeated cycles of machining and inspection, interspersed with long set-up times on the respective pieces of equipment, are avoided, meaning that overall manufacturing times can be reduced. This can be particularly valuable in cases where every part in a production run needs to be checked.

On-Machine Verification can also give improve quality control by enabling components to be monitored more frequently during the manufacturing process. This will allow any errors to be detected earlier, and so corrected more quickly and at lower cost. For example, it will be possible to check that the correct amount of stock has been left on the component after a roughing operation, rather than having to wait until all machining operations have been completed before discovering that an error has been made.

Similarly, the extent of any damage caused, for example, by a tool breakage, can be assessed accurately and a decision made immediately to determine whether the part can still be completed within tolerance or whether it will have to be scrapped.

On-machine verification will also benefit companies with customers that insist on independent inspection of their work. By carrying out an initial verification on the machine, errors can be detected, and corrected, that might otherwise not be found until after the component had been shipped to the inspector.

The OMV version of Delcam's PowerINSPECT software offers all the advantages associated with the releases of the software for use on dedicated inspection equipment. It gives both quick and easy comparison of tooling and sample components against CAD data, and produces clear, comprehensive reports that can be understood by everyone involved in the product development process, not just

inspection specialists. The system allows off-line programming of the inspection sequence for the machine tool, with fully-integrated simulation, and so minimises the time taken on the machine for the verification operation.

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ESI Group and COMEX NUCLEAIRE Collaborate to Reduce Design and Operational Costs

28 October 2008

ESI Group and COMEX NUCLEAIRE, major player in the nuclear intervention, announced their 3-year partnership agreement, as of the second half of 2008. The agreement aims at developing a universal services offer available worldwide.

The objective is to support major industry leaders by offering them development solutions that combine COMEX NUCLEAIRE's industrial and nuclear engineering services with ESI Group's realistic digital simulation solutions.

This partnership will enable industry leaders to improve the performance of their various facilities by creating projects and tests virtually before starting the work, which is always a great consumer of resources.

COMEX NUCLEAIRE and ESI Group are also cooperating to meet the demands of research and development facilities such as ITER, an international project for fusion power. In addition, the two groups are collaborating on nuclear and industrial maintenance projects, such as the supply of replacement steam generators for French nuclear power plants.

"This agreement attests to the synergy of our fields of expertise and to the demonstrated effectiveness of our joint teams on several projects. It fully supports COMEX NUCLEAIRE's strategy, which plans for international development and industrial diversification", declared Marc BRACHOTTE, Deputy General Manager at COMEX NUCLEAIRE.

"The projects carried out jointly with COMEX NUCLEAIRE's teams have allowed us to assess ESI Group's synergies with this global player on a human scale. The outcome is extremely positive as today we are launching a global long-term partnership. Our joint offer and a thorough knowledge of each other's domains of expertise will allow us to benefit from our respective international positioning to further develop close connections with our customers", added Tomasz KISIELEWICZ, PhD., Executive Vice President of Global Projects and Engineering Services at ESI Group.

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ESI Group Strengthens Its Position in Europe and Opens a New Subsidiary in Italy

27 October 2008

ESI Group announced the expansion of its European operations with the opening of a new subsidiary ESI Italia. This new branch will be located in Bologna, Italy, in the northern part of the country.

The opening of a new subsidiary, in line with ESI Group's distribution network development strategy, will reinforce ESI's presence in Southern Europe, a market which has considerable growth potential. The Group has been working in Italy for many years thanks to a local network of agents and distributors. The decision to open ESI Italia will help identify new customers and significantly strengthen

relationships with existing clients and partners.

ESI's key Italian customers include corporations such as Bassano Grimeca, Brembo, FIAT Auto, Centro Ricerche FIAT (CRF), Centro Sviluppo Materiali (CSM), Italdesign, Iveco, Fincantieri, Pininfarina, Fonderie Tacconi, Rieter Automotive, STMicroelectronics and Thales Alenia.

Marco Gremaud, head of International Business Units at ESI Group, commented: "The creation of ESI Italia is proof of our commitment to actively strengthen our business in one of the main European countries. At the same time, ESI keeps extending its worldwide presence to better help our customers keep their international competitive edge by expanding the usage of Simulation-Based Design right from the product preliminary design phase."

The new subsidiary will be managed by Denis Luci. Before joining ESI Group, he worked for more than 12 years in multinational companies (PTC and Think3) as Sales Director, and then successfully created a company in simulation services and mechanical engineering design.

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HP Offers Customers New Level of Performance with Thin Client and Blade Workstation

23 October 2008

HP introduced a high-performance thin client and blade workstation that provide virtualization customers a true workstation experience combined with the security, ease of management and lowered total cost of ownership of thin client computing.

Offering significantly more processing and graphics performance, the new HP gt7725 Thin Client and HP ProLiant xw2x220c Blade Workstation deliver a leading remote experience for 3D mechanical computer-aided (MCAD) applications, rich media, flexibility and performance.

"The maturation of virtualization technologies, in combination with the reality of today's business environment, has made the security, manageability and flexibility benefits of adopting client virtualization increasingly attractive to business customers," said Roberto Moctezuma, vice president and general manager, Desktop Solutions Organization, HP. "This latest technology from HP removes one of the last remaining barriers to transitioning to a virtual client infrastructure for customers who require the highest levels of processing power or high-quality multimedia capabilities."

HP offers customers the most comprehensive portfolio of remote client solutions – from entry level to high end – so they can build out their IT infrastructures to adapt to changing business needs. The company's client virtualization portfolio includes thin clients, blade PCs, blade workstations and Virtual Desktop Infrastructure solutions. The portfolio helps business customers reduce security risks and management and support costs by centralizing computing hardware and sensitive data within the data center.

Powerful remote computing with enhanced graphics

The most powerful in the HP thin client portfolio, the high-performance HP gt7725 Thin Client improves worker productivity with enhanced graphics support and faster application run times, while also helping to ensure greater security, reliability and ease of management and lower total cost of ownership compared to traditional desktops.

Customers in financial service organizations or on trading floors can benefit from the thin client's support of up to four monitors – standard, widescreen or touchscreen – allowing real-time visibility to critical market data applications across multiple displays.

Additionally, the gt7725 can be used for viewing multi-display, two- and three-dimensional MCAD designs, engineering simulation results for computational fluid dynamics and rendering images for oil and gas exploration. The thin client's space-saving design and enhanced graphic capabilities are ideal for control and dispatch centers, and also a cost-effective means for multiple output of digital information, media-rich content and streaming video.

Based on the AMD Turion™ Dual Core[1] 2.3-GHz processor, the gt7725 provides users the horsepower to deliver the full blade workstation experience with the footprint of a thin client at the desktop. With AMD RS780G integrated graphics (ATI Radeon™ HD 3200 Graphics) and multi-display support, users can view their work on as many as four displays to maximize desktop space and collaborate more effectively. The multi-display rotation allows for portrait or landscape orientations on 24- or 30-inch diagonal monitors. The thin client's advanced resolution supports 2,560 x 1,600 pixels per display with two monitors, or 1,920 x 1,200 pixels per display with four monitors.

Advanced system performance is also achieved through configured dual channel memory with optimized data throughput. Initially available with HP ThinPro based on the Linux operating system, the gt7725 also is expected to support the latest Microsoft® thin client operating systems in the coming year, including Windows® Embedded Standard 2009.

"HP's new gt7725 is an impressive example of how endpoint devices can integrate with client virtualization to offer a high-performance graphics experience to demanding power users, while simultaneously offering the cost benefits of thin clients," said Raj Dhingra, group vice president and general manager, Desktop Delivery Group, Citrix. "Together with Citrix XenDesktop and our advanced graphics rendering technologies, the gt7725 enables IT to centrally deliver desktops and applications to more types of workers, even those that need a 'high-definition' user experience with cutting-edge graphics and Web 2.0 technologies."

Data center workstation computing without boundaries

The HP ProLiant xw2x220c Blade Workstation advances data center workstation computing by combining two workstation platforms into a single half-height blade package with mission-critical security and business continuity.

The xw2x220c, which executes user applications and resides in the data center, is designed to deliver maximum performance at a more affordable price for customers in fields such as financial services and MCAD. The blade can be configured with one or two high-speed Intel® Xeon® processors[2] and a dedicated NVIDIA FX 770M hardware graphics card that computes and renders the interactive desktop image.

Customers using the gt7725 or xw2x220c also can use preinstalled HP Remote Graphics software, a network utility designed to take full advantage of the compute and graphics resources of the HP thin

client and blade workstation. The software enables professional artists, financial analysts, engineers and designers to work closely with remote teams in a more secure, collaborative environment and eliminates the need to upgrade to an expensive 3D graphics card on each user's machine.

HP Remote Graphics software works over a standard computer network with complex applications, including 2D design, 3D solid modeling, rendering, simulation full motion video, heavy flash animation, intense Web 2.0 pages and USB peripheral support.

Pricing and availability[3]

The HP gt7725 Thin Client is expected to be available worldwide in January at a starting U.S. list price of $749, while the HP ProLiant xw2x220c Blade Workstation is expected to be available worldwide on Nov. 17 at a starting U.S. list price of $2,850 per user blade.

More information about HP client virtualization offerings is available at www.hp.com/go/clientvirtualization.

[3] Estimated U.S. list prices. Actual prices may vary.

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i get it® Signs On Its 100,000th Subscriber

30 October 2008

Tata Technologies iKS' i get it®, an engineering knowledge management application, has signed on its 100,000th subscriber to its www.myigetit.com knowledge portal. i get it now provides engineers in more than 60 countries with a user experience that includes online training, online technical assistance, blogs and engineering industry news.

The 100,000th subscriber to i get it is Sotiris Roubis, of Greece. He found i get it while going through an online search for seminars.

"I wanted to try this type of distance learning," Roubis said. "I was already working in one software product and was interested in learning about another and seeing what kind of features it offered. I tried a tutorial at i get it and found it very helpful."

Roubis is a mechanical engineer with a Greek metal construction company. He has been in the industry for more than eight years.

"I'm looking forward to more instruction and courses in the future," he added.

David Fedler, Chief Knowledge Officer for Tata Technologies and head of the i get it® Engineering Knowledge Portal business said his organization is as focused on its 100,000th subscriber as it is on its first subscriber – still an active i get it user eight years after subscribing.

"The i get it development team is dedicated to continually improving the user experience and the portal interface," he noted. "i get it has become the world's premier engineering knowledge management solution because of that dedication."

Fedler also notes that current subscribers – and the next 100,000 subscribers – find these recent enhancements to the i get it portal:

• Updated, professional Web style and design, incorporating greater focus on Knowledge Management and Community tools.

• Improved organic design of the site, to allow search engines to crawl www.myigetit.com more effectively.

• Improved site design and technology, for better performance and load times.

• Personalization options including background color mapping and custom login/home pages.

• Interface background optimized to improve experience for people who have problems seeing colors.

• Front page "slider" for quick, graphical review of hot topics.

And why is engineering knowledge management important? "Companies that are going to be successful in the global environment must develop and leverage engineering knowledge management strategies," Fedler said. "Technology alone will not solve problems. The combination of technology and knowledge management will define the leaders in the industry. "

David Fedler is the Chief Knowledge Officer Tata Technologies and is based in Denver, Colorado. Over the past 18 years, David has been responsible for developing knowledge management and education strategies with global companies including GM, Ford Motor Company, The Boeing Company, General Electric, United Technologies, and Williams F1.

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Lectra Appoints Roy Shurling President of Lectra North America

29 October 2008

Lectra announced the appointment of Roy Shurling as President of Lectra North America. Based in Atlanta, Georgia, and reporting directly to Lectra's CEO, Daniel Harari, Shurling will assume responsibility for all Lectra business in North America, which covers the United States, Canada, Mexico, and the Caribbean.

Following Lectra's Board of Directors' decision to change leadership in North America to address both internal challenges and those resulting from the economic conditions, Roy Shurling was appointed on August 1, 2008, in his new mission.

With more than 2,500 customers, North America revenues in 2007 were close to $50 million, representing 16% of Lectra's world revenues. Lectra currently employs 150 people in New York City, Atlanta, Los Angeles, Montreal, and Mexico City.

A Lectra veteran, Roy Shurling has had a successful track record of producing revenue growth and advancing business development while holding several positions of increasing responsibility for over 20 years in the Lectra group.

In his most recent position, Shurling was World Senior Vice President of Automotive and Transportation, based in Lectra's U.S. headquarters in Marietta, Georgia. Previously, as World Senior Account Director, he managed the accounts of Lectra customers such as Boeing, Lockheed, Brunswick, Seton Leather, Johnson Controls, Autoliv, Milliken, and Delphi, as well as leading wind power companies. Until that time, he had held a number of senior positions on both the technical and sales sides of Lectra's operations in North America.

Across the years, Shurling has played a major role in the development of Lectra's activity and commercial success of the company's laser cutting technology for the manufacturing of airbags, as well as automated cutting solutions dedicated to mass production of automotive seats and interior

components in replacement of traditional die-cutting systems. Thanks to his contribution, Lectra confirmed in 2007 its world leadership in the automotive market, which represented 22% of group revenues from new systems sales.

Shurling will keep his previous worldwide responsibilities in the automotive, transportation, and industrial fabrics markets during a transition period.

"In the United States, we have suffered in the past from our own weaknesses, despite the key initiatives we have taken in recent years. With Roy now in charge, we have the strong leadership necessary to drive our teams and to move forward," said Daniel Harari. "Many U.S. brands and labels are equipped with our design solutions for fashion. The powerful, yet suffering, automotive industry will need our technologies now more than ever to succeed in their profound transformation. New management and a renewed sales culture and methodology allow Lectra to draw on the immense capacity of American companies, both in the United States and throughout the world. The leveraging effect of their influence over their sub-contractors also presents Lectra with the opportunity for a large volume of trans-national activities, across North America, through to South America, Europe, and China."

"Roy brings tremendous professional experience and exceptional personal abilities, a powerful blend of energy and leadership, in-depth expertise in Lectra's technologies, and total dedication to the success of our customers," Harari said. "His outstanding track record will bring additional tactical and strategic strength. I have known Roy for 18 years and have worked with him very closely for the past three years. I am convinced he has all it takes to succeed in this new challenge."

"My immediate goal is to take the right initiatives to address the difficult economic conditions the United States is facing today," said Shurling. "We currently have strong positions in all market sectors. In particular, I intend to leverage the best practices developed by Lectra over 35 years with leading European fashion brands, which has allowed Lectra to build a 90% market share of the major European luxury brands and world leadership in the fashion market. Working with my North American team of highly skilled professionals and our global network, reinforcing the company's brand image, making Lectra the undisputed leader in all our market sectors, and achieving solid and sustainable growth are my strategic priorities for the mid-term.

Roy Shurling earned a Bachelor's Degree in Computer Engineering for hardware and software from Southern College of Technology in Marietta, Georgia.

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New Management White Paper Series from First Trace

23 October 2008

To address issues important to business owners and members of upper management in Engineering Enterprises, First Trace released the first installment of their new White Paper Management Series entitled **Hidden ROI: Examining Engineering Processes to Improve the Bottom Line.** Registrants of this FREE document also receive an audio podcast of the white paper for easy review.

Recognizing and quantifying breakdowns in engineering processes is a primary concern of any executive in an Engineering Enterprise since these breakdowns lead to higher costs, lower productivity, and more waste. In an uncertain economy, this task adds even more responsibility to the assignment. This white paper is written from the perspective of upper management and provides suggestions where risks and costs can be identified and reduced in Engineering Enterprises.

Use the ROI tool included to calculate how much these breakdowns cost your firm this year. In this white paper you will also learn:

What defines an "Engineering Enterprise"

Why Engineering Document Management is more complex

The greatest risk factors in Engineering processes

Simple questions to ask to quantify process breakdowns

Suggestions on how to eliminate breakdowns

The intangible costs of breakdowns

Visit the complete White Paper Series for other installments that may benefit your firm.
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Siemens PLM Software Provides $327 Million In-Kind Software Grant to Honolulu Community Colleges' Pacific Center for Advanced Technology Training

31 October 2008

Siemens PLM Software announced an in-kind software grant with a commercial value of $327 million to Honolulu Community College's (HCC) Pacific Center for Advanced Technology Training (PCATT) to enrich their engineering curriculum and share technology in the areas of critical infrastructure lifecycle management in Hawaii and beyond. The in-kind grant includes software, student and instructor training and academic support.

Siemens PLM Software's software enables the PCATT to expand its current course offering to better serve Hawaii's incumbent workforce. Courses will be developed and incorporated into accredited programs as electives in three disciplines including Architecture, Engineering and CAD, Information and Computer Studies (ICS) and the Computer, Electronics and Networking Technology (CENT) programs. Siemens PLM Software's NXTM and Teamcenter® software are included in the in-kind grant, provided through its GO PLM (Global Opportunities in Product Lifecycle Management) program.

NX is Siemens PLM Software's comprehensive digital product development solution. Teamcenter is Siemens PLM Software's digital lifecycle management solution.

"This grant of equipment and applications from Siemens PLM Software supports a public-private partnership to provide the resources necessary to complete training throughout Hawaii and the Pacific Rim that will impact us nationally and internationally," said Scott Murakami, director, PCATT. "Both our students will benefit from this grant and our communities will benefit from this grant because graduates will be able to immediately contribute to business success upon graduation."

"Siemens PLM Software strives to develop and nurture partnerships that provide significant value for academic institutions, youth and displaced workers and our global communities," said Hulas King, director of Siemens PLM Software's Global Community Relations and GO PLM programs. "We will work closely with HCC and PCATT to enrich their engineering programs and positively impact their ability to develop top-notch engineers and technologists."

GO PLM Program

GO PLM provides PLM technology to more than 979,000 students yearly at nearly 9,500 global

institutions, where it is used at every academic level – from middle schools to graduate engineering research programs. For more information on GO PLM and the partners and programs it supports visit http://www.plm.automation.siemens.com/en_us/about_us/goplm/index.shtml

About Honolulu Community College

Honolulu Community College is an integral part of the University of Hawaii. Students have direct transfer to the University of Hawaii at Manoa, the University of Hawaii at Hilo, and the University of Hawaii-West Oahu to complete their four-year baccalaureate degree. The institution also has transfer agreements with other universities in Hawaii and serves as a gateway to over 2,000 universities and colleges across the USA. Students planning to transfer to these institutions will receive special assistance in preparing application documents.

About PCATT

The Pacific Center for Advanced Technology Training (PCATT) is a not-for-profit consortium of the University of Hawaii Community Colleges. The mission of PCATT is to develop and provide training in advanced technology applications that enhance economic and workforce development programs and initiatives in the State of Hawaii and the Pacific Rim.

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Siemens PLM Software Signs Reseller Deal With TTL

30 October 2008

Siemens PLM Software announced a new value added reseller (VAR) agreement with TTL, a provider of adaptive machining, to sell its NXTM software.

TTL will focus its efforts on manufacturing software solutions and providing adaptive machining solutions worldwide. The agreement combines TTL's expertise in the manufacturing sector with Siemens PLM Software's industry knowledge for computer-aided design and computer-aided manufacturing (CAD/CAM).

"This agreement follows an 18-month review of the manufacturing sector and we are delighted to partner a company with TTL's experience," said Guy Langley, managing director, United Kingdom, Siemens PLM Software. "TTL is a highly credible company in the manufacturing sector and has a track record which points to its excellent history in the CAM sector. With many existing joint clients, the partnership allows both companies to further develop expertise and help customers get the best out of NX solutions."

"Siemens PLM Software has a best in class offering and a strong market position," said Paul Walton, managing director, TTL. "Our agreement is unique, there are no other companies offering this at the moment. TTL has made development of Adaptive Machining technology using NX CAM part of the business development strategy, demonstrating the commitment to growth in this sector."

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Study 3D Modeling on KOMPAS-3D Basis; ASCON to present a new training opportunities for 3D CAD beginners

27 October 2008

ASCON Group offers innovative training available for representatives of commercial industrial enterprises, independent designers, educational institutions or students. The way to 3D will be now easier and faster with KOMPAS.

ASCON always advocated education, suggesting its initiative KOMPAS-ABC system for easy CAD learning, offering educational programs for educational institutes and individual students, arranging regular trainings for software users.

Now with the latest release of KOMPAS-3D V10 ASCON offers a new service worked out together with its partners and resellers. KOMPAS-3D is a perfect solution for those who starts learning 3D and now the seminars are available not only for users, but also for those who only think about using 3D software. A part of qualified training based on classical professional Mechanical CAD solution – KOMPAS-3D. Participants of pre-sales trainings will learn basics of 3D modeling and parametric, assembling and drawings, sheet-metal modeling and many other features of classical mechanical computer-aided-design. The seminar participants will have an opportunity to practice in 3D using one of a powerful, professional, as well as modern CAD software and temporary professional license of KOMPAS-3D will be available for them for the period up to 1 year after the training for studying or commercial usage.

"IBS-CAD-Coaching is ASCON-Partner and Reseller for KOMPAS-3D in Germany, Austria and Switzerland. We are located at the meeting-point of these three countries, on the beautiful Lindau-Island in the Lake of Constance. IBS is focused on CAD-Training and CAD-Support for many years. From the beginning our philosophy has been to provide intensive, professional trainings combined with a generous testing period before the customer makes the decision to buy the CAD-software. That is the only way for the customer to come to a knowledgeable, safe decision about CAD and it generated 100% of satisfied customers and high qualified CAD-users. Because of the support of ASCON we are now able to make an offer to companies which strengthens our philosophy in a perfect way: Confirm the IBS-Training-Plan and get one of the most powerful, professional and modern CAD software for free for a period up to 1 year. The companies can use KOMPAS for commercial work and for studying. Attending our Basic- (3 days) and Advanced-Trainings (3 days) the customers will become excellent CAD-users very fast and they will finally be able to come to a knowledgeable, safe decision about CAD, which is certainly one of the most important decisions for a company – said Ing. Martin Schlattner, CEO of IBS-CAD-Coaching.

"KOMPAS-3D is an excellent and really unique mid-range 3D MCAD system which includes the complex 2D solution" – claimed Ing. Jan Pajerchin, TECHSOFT s.r.o Czech Republic, - "KOMPAS-3D deserves attention especially thanks to its complex 2D/3D functionality and its effective and practical tools. All these are achieved through its very good and comfortable user interface. I have to say that the KOMPAS-3D system surprises me every day – especially when I need to design something unusual after which I will find out that: "It is so easy with KOMPAS-3D". In order to make the process of design more efficient - every designer should be aware of the truth that: "It is so easy with KOMPAS". Which is why after finishing the KOMPAS-3D training seminars this very idea will materialize – for all the participants."

The quantity of participants and seminar programs may vary according to the region. Offer is limited for number of participants and territories. First trainings are already scheduled in Eastern Europe and Germany. Check schedule at http://www.ascon.net or request more information at contact@ascon.net

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Events News

Altair Engineering Strategists to Project What Lies Ahead for Product Design at the 2008 NAFEMS North American Regional Summit Oct. 29-31, 2008

27 October 2008

Compelling presentations, onsite product experts, exhibit-floor presence, event sponsorship -- these are some of the elements that Altair Engineering, Inc. (http://www.altair.com) will offer attendees of the NAFEMS North American 2008 Regional Summit, Oct. 29-31. The event, at the Hampton Roads Convention Center in Hampton, Va., brings together business leaders, developers, and users of computer-aided engineering technologies to share and discuss relevant industry trends and issues in an open forum.

"The NAFEMS North American Regional Summit attracts thought leaders from all over the region and is a key venue for Altair to showcase our proven expertise in the realm of finite element methods and standards," said Brett Chouinard, Altair's regional vice president for the Americas. "We're looking forward to sharing our insights on the latest in product design and modeling with the industry community, and we encourage attendees to participate in our day-one sessions and to look for Altair on the show floor."

On Friday, Oct. 31, Mr. Chouinard will participate in a panel discussion that will address the latest industry trends and topics of interest in the CAE market.

In the spirit of the summit's theme, a "2020 Vision of Engineering Analysis and Simulation," Altair top strategists Dr. Uwe Schramm and Dr. Robert Yancey will present their latest papers examining the future of product design and modeling during concurrent sessions on Wednesday, Oct. 29, from 1:40 p.m. to 2:10 p.m.

In his nearly 15 years with Altair, Uwe Schramm, Ph. D., has held several key management positions for the company and currently leads emerging technology and product development as vice president of product technology. Schramm will present "Simulation and the Creative Process -- A New Paradigm," in which he will discuss the resources and technology required to evolve design into a highly efficient process that will lead to the production of future innovative products. The presentation highlights how organizations must shift the way they position design and the roles designers and analysts must play to evolve the design process. Schramm will examine design tools currently used in the creative process, how computers can aid in the ideation phase of product development, what computer-aided tools will be needed in the future, and more. This session is noted as Track 2 in the conference agenda and is scheduled to be held in Ballroom C of the convention center.

Robert Yancey, Ph.D., is managing director of Altair's Western Region. Dr. Yancey has more than 20 years of experience in simulation modeling and composite materials, and he currently manages the Western U.S. region for Altair. Yancey will present "Modeling of Materials -- Getting to a Smaller Scale" during the concurrent Track 3 session in rooms 203 and 204. Yancey will focus on the design impact of new generations of materials, such as fiber-reinforced composites, particulate and chopped fiber composites, functionally graded materials and woven materials. While these substances can help produce more efficient designs, they also present significant challenges from the modeling perspective. The presentation will investigate the challenges that lie ahead in modeling structures made from new-generation materials and the ideas and tools that will be required to meet them.

Altair also will participate in the conference's vendor forum, scheduled for Friday, Oct. 31, from 10:40 a.m. to 12:10 p.m.

For more information or to download the full agenda, including Altair session information, visit http://www.nafems.org/events/nafems/2008/naregionalsummit/agenda/

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Anark Showcases 3D CAD Transformation Platform at COE 2008 Aerospace & Defense Industry Workshop

27 October 2008

Anark Corporation announced it will exhibit at the COE 2008 Aerospace & Defense Industry Workshop, October 27-28, 2008 at the Hyatt Regency, Wichita, Kansas.

Anark Corporation will demonstrate the benefits of its Anark Core™ Platform, a software solution that transforms native 3D CAD data for use throughout manufacturing, design, engineering, and support organizations. Anark Core reduces repetitive CAD file conversion and preparation tasks by providing automated tools that enable efficient and secure interoperability between producers and consumers of 3D CAD data.

At the event, Anark will demonstrate the current platform, Anark Core version 2.0. This latest version provides users with expanded conversion, transformation, and automation capabilities to cost-effectively prepare 3D product design data for visualization, simulation, CAE, and supply-chain data exchange applications. Version 2.0 also provides users with the ability to automate 3D product geometry and structure modification, and then export revised product data into high-precision B-rep and lightweight mesh formats including SolidWorks®, Inventor®, ACIS®, CATIA® V4/V5, Parasolid®, STEP, NX (formerly Unigraphics), IGES, COLLADA, DWF, X3D, and VRML.

"Anark has a long-standing commitment to providing leading aerospace manufacturing companies with the power to easily and cost-effectively transform and share relevant product data internally and throughout the OEM supply chain" said Stephen Collins, CEO, Anark Corporation. "The 2008 COE Aerospace and Defense Industry Workshop is an ideal opportunity for Anark to demonstrate the benefits and developments offered with Anark Core 2.0 to an influential gathering of senior engineers and designers from the aerospace sector."

The Anark Core Platform will be on display at the annual COE - Aerospace & Defense Industry Workshop at the Hyatt Regency, Wichita, Kansas, booth 15, October 27-28, 2008. To schedule a demonstration prior to the show please contact Anark directly at solutions@anark.com.

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BlueCielo Presents InnoCielo ImandrA for IBM FileNet P8 at IBM Information on Demand 2008

27 October 2008

BlueCielo ECM Solutions announced that it is featuring InnoCielo ImandrA for IBM FileNet P8, the ECM solution for project-driven organizations, at IBM Information on Demand 2008 from October 26-31, 2008 at the Mandalay Bay Resort in Las Vegas, NV.

Visit BlueCielo at Booth 142 in the EXPO Solution Center to learn more about how InnoCielo ImandrA

for IBM FileNet P8 is specially designed to support project-driven organizations that require a sophisticated environment to facilitate all the tasks involved in completing large engineering projects.

Based on IBM''s enterprise content management platform IBM FileNet P8, the InnoCielo ImandrA product suite completely supports your engineering-related business processes throughout the entire project. Besides engineering content management and project management, the InnoCielo ImandrA product suite supports workflow, transmittal and archiving processes.

InnoCielo ImandrA for IBM FileNet P8 is ideal for engineering contractors and organizations across multiple vertical markets including construction, discrete or process manufacturing, government, oil and gas, pharmaceutical, transportation and utilities. Clients include the Royal BAM Group, ARCADIS, Gasunie and more.

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BlueCielo Showcases InnoCielo Meridian Enterprise and FDA Module at 2008 ISPE Annual Meeting

27 October 2008

BlueCielo ECM Solutions announced that it is showcasing its ECM solution for the pharmaceutical industry, InnoCielo Meridian Enterprise and the FDA Module, at the 2008 ISPE Annual Meeting, a premier event for the pharmaceutical and biotechnology manufacturing industries, from October 26-29, 2008 at the Boca Raton Resort & Club in Boca Raton, FL.

Visit BlueCielo at Booth 911 in the Mizner Center and discover how InnoCielo Meridian Enterprise, with its out-of-the-box FDA Module, provides the technical controls needed to comply with FDA 21 CFR Part 11, properly manage current good manufacturing practices (cGMP) engineering documentation throughout the enterprise, and bring products to market faster. This boosts revenue and reduces costly errors while fully supporting compliance with important government regulations.

BlueCielo's ECM solutions have been installed and validated in numerous pharmaceutical organizations throughout the world, including Abbott Laboratories, AstraZeneca, Biogen Idec, Boehringer Ingelheim, Genzyme, GlaxoSmithKline, Eli Lilly and Company, Johnson & Johnson, Pfizer, Wyeth Pharmaceuticals, and many other Tier 1 pharmaceutical companies.

The 2008 Annual Meeting is held by the International Society for Pharmaceutical Engineering (ISPE), the world's largest not-for-profit association dedicated to educating and advancing pharmaceutical manufacturing professionals and their industry. ISPE members from all over the world will gather for this event to share expertise and gain insight to navigate the horizon of industry change.

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CGTech to Feature VERICUT 6.2 at EUROMOLD 2008

31 October 2008

CGTech will exhibit the latest version of VERICUT CNC machine simulation and optimization software at EuroMold Frankfurt in Hall 8 Stand J27.

VERICUT 6.2 features several enhancements that increase the ability of manufacturing engineers to develop, analyze, inspect and document the CNC programming and machining process.

"VERICUT sits in a unique position in the process chain, in between the creation of the NC program and its physical application on the shop floor," said John Reed, managing Director, CGTech Ltd. "VERICUT software development is driven by the evolutionary changes in manufacturing technology: new CAD/CAM software features, new machines and tooling, new machining techniques and processes, and our customers' needs to implement and improve on these changes. VERICUT 6.2 includes several new innovations to simplify validating even the most complex configurations in order to produce better results and reduce the time spent in the programming and machining cycle."

NC Program Review Enhancements

A new "NC Program Preview" offers an option to process an NC program in VERICUT without actually simulating material being removed. This "quick check" is very fast and uses much less memory. When in preview mode, VERICUT displays a tool trace of the NC program over the design model. At the end of the preview VERICUT enters NC Program Review mode. Preview checks for collisions, gouges, minimum excess and instances where axis limits are exceeded.

Several new utilities have been added to the NC Program Review window. These include: a Calculator, and user-configurable text Coloring, syntax checking and block renumbering options.

New Tool Setup Wizards

Complimenting the milling tool setup wizard introduced in VERICUT 6.0, a turret setup wizard has been added. The new Turret Setup enables users to easily load, change tools, or change tool positions in a turret. Users can also easily create a swept model of a turret.

The Tool Manager has also been enhanced to enable users to describe the shape, position, and orientation of a waterjet cutter or a tap in a tap tool assembly.

Simulate Tapping

VERICUT now supports simulation and analysis of tapping operations. Tapped holes are visually differentiated from other drilled/bored/reamed holes. VERICUT checks for correct feed rate and direction when using a tap tool, and also detects if the tap hole is pre-drilled too small.

Create Setup Plans with Dimensions

A new Setup Plan window is added enabling users to add dimensions or notes to create a drawing of a setup lay-out or setup plan. The setup plan is stored in the VERICUT session and can be output in a VERICUT report.

AUTO-DIFF™ Precision

AUTO-DIFF enables users to automatically detect differences between a CAD design model to a VERICUT simulated cut part. The AUTO-DIFF Surface Range tables now include a value to represent surface cuts exactly matching (i.e. with no deviation from) the design model. A separate color can be designated for these features.

CAM Interface Update

VERICUT runs standalone but can also be integrated with all the leading CAM systems. CGTech offer interfaces to Siemens NX, Dassault Systemes Catia V5, PTC, MasterCAM, EdgeCAM and GibbsCAM, amd interfaces are also available from Delcam, for powerMill, from Open Mind for HyperMill and from Missler for TopCAM.

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COADE's CADWorx User Conference in Houston a Major Success

27 October 2008

COADE announced that the company's 2008 CADWorx User Conference, which wrapped up at midday on Wednesday, October 22nd, was a major success for the company and the 300 plant design and engineering professionals attending from 26 countries. A number of them committed to signing up for the next COADE User Conference, to be held in Fall 2009, which will cover all COADE products, which in addition to the CADWorx Plant Design Suite, include CAESAR II for pipe stress analysis; PV Elite, for vessel and heat exchanger design and analysis; and TANK, for the analysis of oil storage tanks.

During the three-day event, COADE's product management and product development teams interacted with these plant designers and engineers on such topics as isogen (isometric generation), specifications and data files, modeling techniques and process and instrumentation diagrams (P&ID's). Product-specific sessions included COADE's new CADWorx Design Review, CADWorx P&ID and CADWorx Steel. Also covered were COADE products such as CAESAR II and PV Elite and how these analysis products interface with CADWorx Plant to help both engineers and designers save time and eliminate hassles associated with collaboration in designing and analyzing plant facilities, piping systems and pressure vessels. Attendees also visited with a select group of invited exhibitors to learn how their products interfaced with and could be integrated into their design environment and workflow.

Details on the CADWorx User Conference are at http://www.2008CADWorxConference.com. Information on COADE and its products are at http://www.coade.com.

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Delcam to Show Machining And Inspection Developments at Autosport

30 October 2008

Delcam will demonstrate the latest developments for the motorsport industry in its machining and inspection software at the Autosport Engineering exhibition to be held at the NEC, Birmingham, on 8th and 9th January. Delcam software has been adopted by many leading manufacturers of engines and other components, including ATR, Brembo, Cagiva, Crosby Composites, Lotus Engineering, Silverhorse Racing, Wegner Motorsports and Zytek Engineering. However, the company still remains best known in the industry as a result of the use of its PowerINSPECT inspection software to check vehicle conformity by both the FIA and NASCAR.

Delcam's PowerMILL CAM software latest release offers a more comprehensive solution for parts that require a combination of machining strategies, from simple 2D milling to complex five-axis operations, in a single component. The new version also provides more control for experienced machinists that know exactly how they wish to machine a particular part. In addition, the release incorporates a number of improvements to reduce calculation times, together with some simplification of the user interface that makes programming faster and easier. Finally, toolpath ordering has been made more efficient, especially for roughing and rest machining, so ensuring that the cutter spends more time machining and minimal time making air moves.

Delcam's FeatureCAM software is a highly-automated, feature-based CAM system that offers faster and easier programming of production machining operations. The 2009 version incorporates enhancements across its complete range of functionality, reflecting the increased investment in product development following Delcam's acquisition of the software in 2005. An important focus has been increased options

for more complex machines, such as mill-turn equipment, and four- and five-axis mills. This allows users to tackle more sophisticated parts than could be programmed before. Developments have also continued to increase the efficiency of the more fundamental machining operations, including turning and three-axis milling.

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Delcam to Show New CAM Range at Metalex in Thailand

27 October 2008

Delcam will show new products across its complete range of CAM software at the Metalex exhibition to be held in Bangkok, Thailand, from 20th to 23rd November. The exhibition comes at a time of rapid expansion for Delcam's business in the country. Sales are currently almost 25% above the levels achieved in the opening nine months of last year. The launch of the new software range at Metalex is expected to produce a further boost to the company's sales.

The complete range of Delcam machining software comprises PowerMILL for high-speed and five-axis machining, FeatureCAM for feature-based programming, PartMaker for Swiss-type lathes and turn-mill equipment, and ArtCAM for engraving and routing.

The new release of Delcam's PowerMILL CAM software will offer a more complete solution for complex machining operations, together with more control for experienced machinists that know exactly how they wish to machine a particular part. The program also incorporates a number of improvements to reduce calculation times, together with some simplification of the user interface that makes it easier to select the required command and so makes programming faster. In addition, toolpath ordering has been made more efficient, especially for roughing and rest machining, so ensuring that the cutter spends more time machining and minimal time making air moves.

FeatureCAM 2009 incorporates enhancements across its complete range of functionality, reflecting the increased investment in product development following Delcam's acquisition of the software in 2005. An important focus has been increased options for more complex machines, such as mill-turn equipment, and four- and five-axis mills. This will allow users to tackle more sophisticated parts than could be programmed before. Developments have also continued increase the efficiency of the more fundamental machining operations, including turning and three-axis milling.

Major highlights of the new release of PartMaker include a revamped and more productive user-interface, improved capabilities for programming directly on solid models and more realistic machine simulation for the increasingly-complex machine architectures of today's multi-axis turn-mill centres and Swiss-type lathes. The enhanced user interface will make PartMaker users even more productive in programming their CNC equipment, while offering new users an even easier to learn, more capable CNC programming platform.

Improvements across the ArtCAM family of software include new sculpting and embossing tools in the Pro and JewelSmith versions. On the machining side, the main emphasis has been on improved strategies for harder materials to enable more efficient and faster engraving of metal tooling. Other enhancements across the complete ArtCAM range include the ability to export designs in the 3D pdf format used by the Adobe Acrobat reader, autorecovery of data, for example if there is a power failure to the computer, and much more realistic simulation of machining in a variety of materials.

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ECE Solutions Introduces PIDMO for CADWorx Plant Design Suite at COADE's CADWorx User Conference in Houston

30 October 2008

COADE announced that ECE Solutions introduced its new PIDMO product as part of its exhibit participation during COADE's CADWorx User Conference in Houston on October 20-22. ECE Solutions, based in Chicago, Illinois, USA, participated as one of a select group of exhibitors as a way to introduce the product to the 300+ plant designers and engineers from 26 countries in attendance.

PIDMO is a database interface that allows CADWorx PLANT and P&ID Professional users to leverage information stored in their process and instrument diagrams (P&ID) and 3D model drawings so that project managers, engineers, purchasing managers and other non-CAD users can import and export data from their project databases to and from Microsoft Excel. This sophisticated reporting tool enables users to access component information, filter for bills of materials (BOM), compile cost estimates, create project management worksheets and create Excel-based instrument and equipment datasheets with revision controls. The PIDMO application includes CAD extension tools that allow designers to automatically apply project data updates to fabrication isometric drawings and to process and instrument diagrams without the need to manually open up each drawing to make those changes.

ECE Solutions is a developer of numerous software applications such as P&ID SaniMod, which delivers CADWorx P&ID Sanitary symbols and fittings for the hygienic industries, and PLANT ElectoMod, which provides 3D electrical design capabilities for CADWorx Plant. The company's products and services focus on the needs of the pharmaceutical, food and beverage, petrochemical, chemical and energy industries.

Information on ECE Solutions is at http://www.ecedesign.com. Details on the 2008 CADWorx User Conference are at http://www.2008CADWorxConference.com and at http://www.coadeuserconference.com/2009. Information on COADE and its products can be found at http://www.coade.com.

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EMC to Welcome Nearly 1,500 Attendees at Momentum Europe 2008

29 October 2008

EMC Corporation plans to welcome nearly 1,500 attendees at Momentum Europe 2008, which will be held November 10-13, 2008, at the Prague Congress Centre in Prague, Czech Republic. Momentum Europe 2008 is the market's largest gathering of customers, partners and industry experts in enterprise content management (ECM) and archiving outside of the Americas.

Momentum Europe attendees will converge in Prague to discuss and learn about innovations in the many facets of enterprise content management, such as: transactional content management, compliance and archiving, business process management, records management, interactive content management and customer communications management. This year's conference features a comprehensive agenda that includes more than 120 breakout sessions, in-depth technical presentations, product demonstrations and EMC fundamentals courses. A detailed agenda may be viewed at http://www.momentumeurope.com/documents/ME08Agenda.pdf

Scheduled presentations from EMC executives will include:

A keynote presentation by Mark Lewis, President of Content Management and Archiving (CMA), focused on delivering information intelligence

A technical session with Senior Vice President and General Manager Balaji Yelamanchili, highlighting the company's recent introduction of the premier content management solution, Documentum ECM 6.5

A welcome keynote presentation from Whitney Tidmarsh, Vice President of Worldwide Marketing, who will provide an overview on the state of the ECM market. Tidmarsh will also deliver the conference closing keynote.

This year, EMC will hold its inaugural Partner Conference at Momentum Europe on November 10, 2008. An extension of TechShare, which is a technically-focused conference for partners, the Partner Conference at Momentum Europe will include both business and technical tracks. More than 500 delegates are expected to attend representing the full partner community of system integrators, ISVs and OEMs.

Throughout Momentum Europe, conference attendees have an opportunity to hear from more than 50 partners regarding their products and services, and how they complement and extend EMC's content management and archiving solutions. Top-level sponsors include Accenture, ATOS Origin, TietoEnator and Google.

Momentum attendees will also hear from leading organizations present user case stories that are applicable across a number of industries. For more information about Momentum Europe 2008, please visit http://www.momentumeurope.com.

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46th Design Automation Conference Introduces New User-Focused Technical Presentation Track

30 October 2008

Dec. 19, 2008 Submission Deadline for Extended Abstracts

The 46th Design Automation Conference (DAC) has added a new user-focused technical presentation track – the DAC User Track – to its call for papers. End-users, application engineers, and vendor-customer teams are invited to submit two-page abstracts describing their experiences with innovative tool use, or in overcoming current tool challenges, by Dec. 19, 2008. The 46th DAC will take place July 26-31, 2009 at the Moscone Center in San Francisco.

"The DAC User Track provides a new forum through which EDA tool users can exchange information and best practices at DAC," said Andrew Kahng, General Chair, 46th DAC Executive Committee. "We are excited to see so many leaders in the EDA user community engaging as members of the program committee that will define the User Track. We look forward to high-quality submissions and, ultimately, valuable user-focused sessions next July in San Francisco."

Submission deadlines for other parts of the 46th DAC program are as follows: Special session, panel and tutorial proposals are due Nov. 3; submissions for the Student Design Contest are due Dec. 8; and paper submissions for regular and WACI (Wild and Crazy Ideas) sessions are due Dec.19. To see the full Call for Papers or for more details about DAC, visit: http://www.dac.com.

Submitting Extended Abstracts to the DAC User Track

Unlike the juried technical paper submission process for regular DAC papers, the submission process for the User Track simply requires developing an extended abstract: a two-page overview of the key challenges, innovations and results. After the submissions are reviewed, selected authors will be required to provide only a detailed presentation – technical papers will not be required for this track.

User Track abstract submissions will be reviewed by a technical program committee comprised of industrial end-users with expertise covering a large range of semiconductor products, design methodologies and tool use. Members of this committee include:

Nitin Chawla, Senior Member of Technical Staff, STMicroelectronics;

Kyu-Myung Choi, Vice President, CAE, System LSI Division, Samsung;

Sorin Dobre, Senior Staff Engineer, Qualcomm CDMA Technologies;

Toshio Fujisawa, Senior Specialist, Toshiba;

Bryan Heard, Director of Design Methodology, QThink;

Matt Moore, Raleigh ASIC Design Center Manager, IBM;

Uwe Muller, R&D Memory Products, Infineon;

Peter Nord, Project Leader, Business Unit Multimedia, Ericsson AB;

David Peterman, Manager, Wireless Terminals Business Unit EDA, TI;

Doug Quist, Director of Engineering, NVIDIA;

Alicia Strang, Staff Engineer, Enterprise Storage SoC Group, Marvell Semiconductor;

and Raj Varada, Principal Engineer, Intel.

For more details on the User Track, contact Leon Stok of IBM at leonstok@us.ibm.com or Soha Hassoun of Tufts University at soha@cs.tufts.edu.

The Design Automation Conference (DAC) is a premier event for the design of electronic circuits and systems, and for Electronic Design Automation (EDA) and silicon solutions

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46th Design Automation Conference to Feature IC Design Chain in Exhibit Floorplan

27 October 2008

The 46th Design Automation Conference (DAC), to be held July 26-31, 2009, at the Moscone Center in San Francisco, will offer a new Integrated Circuit Design Chain (ICDC) area within the DAC exhibit floorplan, to enhance the quality and value of attendee and exhibitor interactions. The ICDC area of the exhibit will serve the complete "design chain" that – along with EDA – enables IC product and design success. This includes pure-play foundry, IP and design services, along with assembly-package, test, and system interconnect companies.

A meeting to discuss the planning for next year's DAC and to highlight currently available exhibit space is scheduled for Tuesday, November 11, at 1:30 p.m. at the Doubletree Hotel in San Jose, Calif. The meeting is open to all current, former and potential DAC exhibitors.

"This move to better zone the exhibit floor comes as a result of polling DAC attendees who have

requested ways to improve their interactions with exhibitors, and who require new mechanisms to quickly identify relevant exhibitors," said Dr. Yervant Zorian, EDA Industry Chair, 46th DAC Executive Committee. "This is according to an attendee survey conducted during the 45th DAC in Anaheim in June 2008, across an attendee base that includes CAD engineers and managers, hardware design and verification engineers, and academics."

IC Design Chain (ICDC) exhibitors have the option of exhibiting and presenting technical product content in the ICDC Theater. Additionally, DAC is making new tools available through its Web site that allow attendees to better identify relevant exhibitors and plan their schedules, while creating more options for attendees to engage exhibitors prior to, during and after the show.

For more information about DAC, the IC Design Chain and the 2009 exhibit floorplan, or current exhibitors, go to http://www.dac.com or contact Susie Horn, Director of Exhibit Operations, at +1-303-530-4333 or susie@dac.com.

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INCAT® Will Present Two Technical Sessions at COE 2008 Industry Workshop – Aerospace and Defense

24 October 2008

INCAT is presenting two technical presentations at the COE 2008 Industry Workshop – Aerospace and Defense in Wichita, Kan., October 27-28.

INCAT Senior CATIA® Product Specialist Scott Pokriefka will present "The Ease of Building a Catalog of Standard Parts," and "Usage of Legacy CATIA V4 Models in CATIA V5."

"The Ease of Building a Catalog of Standard Parts" is a training session that will demonstrate working with the CATIA Catalog tool. Exercises will include creation of family components to help users move documents into a catalog for use later in the supply chain.

"Any kind of repetitive task can be simplified by using the CATIA Catalog tool, for parts that are going to be purchased or are already standard. It's a waste of time for designers to draw things like hand clamps repetitively," Pokriefka noted.

The session titled "Usage of Legacy CATIA V4 Models in CATIA V5" will address the usage of legacy data from CATIA V4, and how it can still be applied by organizations that have moved on to V5.

The COE 2008 Industry Workshop – Aerospace and Defense features two days of industry-focused education and hands-on training in the Dassault PLM solutions suite of products. The event takes place October 27-28 at the Hyatt Regency Wichita in Wichita, Kan.
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New Sescoi Productivity Solutions Make Their Japanese Debut at JIMTOF

24 October 2008

JIMTOF 2008, taking place in Tokyo from 30th October to 4th November, will be the launch pad for the Japanese version of Sescoi's WorkPLAN Enterprise manufacturing management system. Located on stand W0014, Sescoi will also demonstrate the latest developments in the WorkNC automatic CAM/CAD system for 2 to 5-axis machining and present WorkNC 3X, the company's new entry-level

CAM/CAD package comprising core 3-axis roughing & finishing toolpaths and 2D machining capability.

WorkNC provides machining from 2D right up to full 5-axis with its Auto 5 automatic 5-axis programming, as well as dedicated toolpaths for blades and impellers. Sescoi will demonstrate WorkNC's new smoothing algorithms and even more accurate rest modeling and re-machining capabilities that favor climb milling. These routines make high speed machining with small diameter cutters easy by keeping tool loads both constant and as low as possible.

Visitors to the stand will be able to see sample parts produced with the latest version of WorkNC, together with the associated machining videos, created in collaboration with OSG Corporation and Tomco Co., Ltd. respectively.

Aimed at companies in project or engineer-to-order manufacturing, such as mold, die and toolmakers, WorkPLAN Enterprise is making its Japanese debut at JIMTOF2008. Sescoi consultants will illustrate how the system helps companies to manage their complete manufacturing process, starting with quotations and order management through to production control, purchasing, quality compliance and delivery. With a common, easy to use interface for all its modules, the system controls costs, keeps track of key performance indicators and provides greater visibility across the whole organization, enabling companies to optimize profits and raise productivity levels.

With the upcoming product launches and further new products in the pipeline, Sescoi Japan is able to offer Japanese companies the most complete suite of productivity software on the market, making a visit to their Jimtoff booth (W0014) highly worthwhile.

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Financial News

Aspen Technology Announces Selected Preliminary Financial Results for the First Quarter of Fiscal Year 2009

30 October 2008

Aspen Technology, Inc. announced selected preliminary financial results for the first quarter of fiscal year 2009, ended September 30, 2008.

Mark Fusco, Chief Executive Officer of AspenTech, said, "During the first quarter, we continued to close deals with blue chip customers across each of our target markets in the process manufacturing industry. Our license bookings of approximately $35 million in the first quarter were largely consistent with the year ago period and reflect the fact that the September quarter is typically a seasonally slower quarter. While we had a sizeable opportunity that pushed out of the September quarter, we were pleased to see continued strength in the volume of license bookings over $250,000 in the quarter."

Fusco added, "We continue to monitor the health of the global economy and how that may impact the investment decisions of our customers. While no company is completely immune to the growing economic crisis, from a long-term perspective, we believe that AspenTech is well positioned as a result of our proven ROI, unique value proposition, long-standing customer relationships with recurring term-based contracts, and proven ability to manage expenses closely."

The Company's cash balance at the end of the first quarter was approximately $134 million, as

compared to approximately $135 million at the end of the fourth quarter of fiscal 2008. The Company did not sell any installments receivable during the first quarter, marking the third consecutive quarter that it has not done so. At the same time, the Company increased its company-owned installments receivable by over $10 million and used cash flows to reduce its secured borrowing balance by over $10 million during the first quarter.

Brad Miller, Chief Financial Officer of AspenTech, said, "We are pleased with the ongoing performance of our business as we focus on the completion of our quarterly financial statement filings with the SEC. As we continue to use customer collections to pay down our secured borrowing account and grow the Company-owned balance of installments receivable, we are strengthening our balance sheet and moving toward a financial model that we believe will be characterized by better visibility into operating cash flows over the long term. Our large existing cash balance is invested conservatively, which is important considering recent events in the financial markets."

Conference Call and Webcast

AspenTech will host a conference call and webcast today, October 30, 2008, at 8:00 am (Eastern Time) to discuss the Company's selected preliminary financial results, business outlook, and related corporate and financial matters. The live dial-in number is (877) 239-3024, conference ID code 68673560. Interested parties may also listen to a live webcast of the call by logging on to the Investor Relations section of AspenTech's website, http://www.aspentech.com/corporate/investor.cfm and clicking on the "webcast" link. A replay of the call will be archived on AspenTech's website and will also be available via telephone at (800) 642-1687 or (706) 645-9291, conference ID code 68673560 through November 6, 2008.

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DS Reports 2008 Third Quarter Financial Results Well in Line With its Objectives

29 October 2008

Dassault Systèmes (DS) reported U.S. GAAP unaudited financial results for the third quarter and nine months ended September 30, 2008. These results have been reviewed by the Company's Board of Directors.

Key Figures
> Access to the Webcast Presentation
> Access to the Press Release (.pdf)
> 08Q3 Earnings Presentation (.pdf)
> Newswires Conference Call Text (.pdf)
> Access to Conference Call
> Conference Call text (.pdf)

Third Quarter 2008 Summary Financial Highlights

- Q3 GAAP software revenue up 12% and GAAP total revenue up 10%, both in constant currencies

- Q3 non-GAAP software revenue up 12% and non-GAAP total revenue up 10%, both in constant currencies

- Q3 GAAP EPS up 38% to €0.36; Q3 non-GAAP EPS up 26% to €0.49;

- 2008 non-GAAP Objectives: Continuing to target software revenue growth objective of 12% in constant currencies; Raising EPS objective.

Third Quarter 2008 Financial Summary
(unaudited)

In millions of Euros, except per share data	U.S. GAAP			Non-GAAP		
		Growth	Growth in cc*		Growth	Growth in cc*
Q3 Total Revenue	318.3	6%	10%	319.7	6%	10%
Q3 Software Revenue	276.5	8%	12%	277.9	8%	12%
Q3 EPS	0.36	38%		0.49	26%	
Q3 Operating Margin	16.7%			23.7%		

* In constant currencies.

Bernard Charlès, Dassault Systèmes President and Chief Executive Officer, commented, *"Dassault Systèmes software revenue growth of 12% in constant currencies during the quarter reflected the increasing momentum of our strategy of diversification into new industries. Further, we saw particular strength coming from our collaboration and simulation software offerings in both the PLM and Mainstream 3D markets. Thanks to our brands and applications strategy, the strengthening of our sales channels, particularly in the mid-market, and growth in our customer base, we were able to deliver third quarter revenue at the high end of our objectives notwithstanding the economic crisis which started to impact our operations early September.*

"Based upon our year-to-date performance and fourth quarter outlook, Dassault Systèmes is positioned for solid growth in software revenue and earnings for 2008 reflecting the valuable and measurable benefits our software applications bring to an increasingly diverse group of customers throughout the world. Our goal remains the same – to be a strategic partner to all our customers, in order to help them enhance their products and product innovation processes."

Third Quarter 2008 Financial Highlights

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

- By geographic region and in constant currencies, total GAAP revenue in Europe was up 12% (non-GAAP up 11%), the Americas increased 15% (non-GAAP up 16%), and Asia increased 1% (non-GAAP flat) on lower results in Japan. Revenue grew above 25% in constant currencies in the faster growing markets comprised primarily of China, India, Brazil, Eastern Europe and Russia.

- GAAP and non-GAAP software revenue increased 12% in constant currencies. Non-GAAP software revenue growth of 12% reflected non-GAAP recurring software revenue growth of 18% and new licenses revenue growth of 1% (all figures in constant currencies). Recurring software revenue accounted for 67% of total software revenue in the quarter.

- GAAP and non-GAAP PLM software revenue increased 11% in constant currencies. In non-GAAP, ENOVIA software revenue increased 19% in constant currencies, SIMULIA software revenue was up double-digits in constant currencies and CATIA software revenue increased 9% in constant currencies.

- Mid-market PLM growth was healthy reflecting the Company's continued progress in the transformation and expansion of its PLM mid-market sales channel.

- GAAP Mainstream 3D software revenue increased 14% in constant currencies. Non-GAAP Mainstream 3D software revenue increased 13% in constant currencies on growth in SolidWorks installed base recurring revenue and sales of SolidWorks design, product data management and analysis software.

- DS consulting services revenue delivered double-digit revenue growth in constant currencies and operating margin improvement in the third quarter. In total, Services and other revenue, representing 13% of total revenue, was flat in constant currencies during the third quarter, principally reflecting the effect of winding down certain historical channel management activities.

- GAAP operating margin was 16.7%. Non-GAAP operating margin expanded to 23.7%, up from 22.5% in the year-ago quarter on non-GAAP operating income growth of 12%.

- Financial revenue and other improved in the third quarter in relation to both the second quarter and the year-ago third quarter. Specifically, financial revenue and other increased to €9.9 million in the third quarter, up from €1.7 million in the year-ago period. Third quarter 2008 financial revenue and other was principally comprised of net interest income of €3.4 million and net exchange gains of €6.3 million.

- GAAP earnings per diluted share increased 38% to €0.36. Non-GAAP earnings per diluted share increased 26% to €0.49 primarily reflecting an increase in non-GAAP operating income of 12% as well as a strong increase in financial revenue and other principally due to end-of-period foreign currency translation impacts.

- New business activity by industry included, among others:

  - Consumer Packaged Goods: Procter & Gamble in the Americas;

  - High Tech: Panasonic and Toshiba in Asia; L-3 Communications in the Americas;

  - Business Services: TUV Rheinland in Europe and American Bureau of Shipping in the Americas;

  - Industrial Machinery: Komatsu and Sanyo Machine Works in Asia and Stara S.A. in the Americas;

  - Automotive and Aerospace: EDAG and Piaggio Aero in Europe.

Cash flow and other financial highlights

Net operating cash flow in the 2008 third quarter increased to €67.5 million compared to €62.9 million in the year-ago quarter. Cash and short-term investments totaled €829.6 million and long-term debt totaled €200.8 million at September 30, 2008.

Nine Months 2008 Summary Financial Highlights

- YTD 2008 GAAP software revenue up 15% and GAAP total revenue up 12%, both in constant currencies; YTD 2008 GAAP EPS up 25% to €1.06

- YTD 2008 non-GAAP software revenue up 14% and non-GAAP total revenue up 11%, both in constant currencies; YTD 2008 non-GAAP EPS up 13% to €1.36

- YTD 2008 net operating cash flow up 9% to €261.6 million

Nine Months 2008 Financial Summary (unaudited)

In millions of Euros, except per share data	U.S. GAAP			Non-GAAP		
		Growth	Growth in cc*		Growth	Growth in cc*
YTD Total Revenue	951.9	6%	12%	953.8	5%	11%
YTD Software Revenue	823.6	9%	15%	825.5	8%	14%
YTD EPS	1.06	25%		1.36	13%	
YTD Operating Margin	17.9%			23.9%		

* In constant currencies.

Key Business and Corporate Highlights

In a separate press release issued today, DS announced that Procter & Gamble Company (P&G), the world's largest consumer goods company, has chosen to implement DS's ENOVIA solution as its enterprise-wide PLM backbone. P&G will leverage Dassault Systèmes' portfolio to create a global platform to support product development. P&G also uses 3DVIA, SIMULIA, DELMIA and SolidWorks solutions from Dassault Systèmes.

In September, DS held its ENOVIA Customer Conference for the Asia Pacific region in Tokyo, Japan with more than 500 of the region's leading executives attending. Featured customers included Toshiba in E&E Nikon in semiconductor; Larsen & Toubro in Power, Process & Petroleum/Shipbuilding and Pacific Brands in apparel.

DS SolidWorks introduced SolidWorks® 2009 which delivers a speed increase plus more than 260 customer-driven enhancements. This new software release offers significant performance improvements, continues to focus on ease of use and is designed to extend the gap between SolidWorks software and other software products in the 3D Mainstream market. Among other enhancements, SolidWorks 2009 includes: SpeedPak, a new approach to large assembly handling that dramatically reduces the amount of computer memory needed, while maintaining full graphic detail and associativity; and, Simulation Advisor, which helps users analyze their designs for hidden flaws, guiding them through every stage of the simulation.

DS SolidWorks also announced SolidWorks Enterprise PDM 2009. The new version of the product data management solution introduces deeper integration with SolidWorks® 3D CAD software, expanded bill of material (BOM) functionality, and Item-Centric product data management.

DS announced the availability of its PLM portfolio, Version 5 Release 19, for its CATIA, DELMIA, SIMULIA, ENOVIA and 3DVIA brands. V5R19 enhancements are focused on expanding PLM deeper into production cycles, accelerating PLM adoption for mid-size companies, broadening IP lifecycle management and further integrating PLM within the enterprise ecosystem.

DS introduced Isight for Abaqus, a new product from SIMULIA that leverages technology from recently acquired Engineous Software. Isight for Abaqus is an add-on product for Abaqus FEA software that provides design exploration and optimization technology, enabling designers and engineers using Abaqus to perform rapid trade-off studies of real-world behavior and accelerate product development.

In mid-September, DS announced 3DVIA Shape 2.0, the latest release of its free 3D modeling software featuring an all new and expanded 3D remix capability, which enables users to complete 3D scenes using models contributed by other users on the 3DVIA.com content library.

DS recently announced the completion of its new "green" global headquarters, "Dassault Systèmes Campus," with employees moving to the campus starting early November. Dassault Systèmes Campus has earned the French HQE (High Quality Environment) label.

Other Corporate Information

On October 16, 2008, Dassault Systèmes' voluntary delisting from Nasdaq was completed. Dassault Systèmes has filed a Form 15F with the SEC to deregister and terminate its reporting obligations under the Exchange Act. The de-registration will become effective 90 days after the filing of the Form 15F. The Company does not plan to publish a Form 20-F for the fiscal year ended December 31, 2008.

Dassault Systèmes continues to maintain its American Depository Receipt (ADR) program, which will enable investors to retain their ADRs and facilitate trading on the U.S. Over-The-Counter (OTC) market.

Dassault Systèmes will continue to publish its financial reports, statements and press releases in English as well as information for investors on its website (www.3ds.com) pursuant to section 12g3-2(b) of the U.S. Securities Exchange Act.

The Company intends to continue reporting and publishing quarterly unaudited financial information in U.S. GAAP for the fourth quarter 2008 reporting period in addition to reporting and filing IFRS quarterly financial information as required by the French securities regulation. Starting with fiscal year 2009, DS will solely report and publish its financial information in accordance with IFRS.

IFRS Financial Information

Dassault Systèmes expects to issue a press release on October 30, 2008 summarizing its financial results under IFRS for the three- and nine-month periods ended September 30, 2008. This press release, which will be available in both French and English, will also be posted to the Company's website.

Business Outlook

Thibault de Tersant, Senior Executive Vice President and CFO, commented, "*Our third quarter financial performance came in well in line with our objectives, in fact, at the high end with software revenue up 12% in constant currencies and earnings per share rising 26%, demonstrating the inherent earnings leverage of our business model.*

"Turning to our outlook, we expect 2008 to be a year of strong, organic software growth for DS. We have factored into our fourth quarter and full year outlook the signs of weakening we saw in September due to the economic crisis. However, thanks to our diversification strategy, sales channels expansion, recurring revenue model and year-to-date results, we continue to target a non-GAAP software revenue growth objective of 12% in constant currencies. Additionally, we are increasing our 2008 non-GAAP EPS objective range to €2.15 to €2.20 from €2.10 to €2.17 previously. Our fourth quarter objective assumes a US dollar to euro exchange rate of $1.45 per €1.00, reflecting the fact that the US dollar continues to be very volatile at this point in time."

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

- Fourth quarter 2008 non-GAAP total revenue objective of about €385 to €395 million and non-GAAP EPS of about €0.79 to €0.84;

- 2008 non-GAAP software revenue growth objective of about 12% growth in constant currencies from 12-13%; 2008 non-GAAP total revenue growth objective of about 9% in constant currencies from 9-10%;

- 2008 reported non-GAAP revenue range of about €1.340 to €1.350 billion from €1.320 to €1.330 billion;

- 2008 non-GAAP operating margin improvement objective of 50 to 100 basis points (up to about 27%) from 80 to 130 basis points;

- 2008 non-GAAP EPS objective of about €2.15 to €2.20 per diluted share from €2.10 to €2.17 per diluted share;

- Objectives based upon exchange rate assumptions for the 2008 fourth quarter of US$1.45 per €1.00 and JPY 145 per €1.00 and 2008 full year exchange rate assumptions of US$1.50 per €1.00 and JPY 157 per €1.00;

The non-GAAP objectives set forth above do not take into account the following accounting elements: deferred revenue write-downs estimated at approximately €4 million for 2008; stock-based compensation expense estimated at approximately €21 million for 2008 and amortization of acquired intangibles estimated at approximately €45 million for 2008. The above objectives do not include any impact from other operating income and expense, net comprised of income and expenses in connection with the relocation of the Company's corporate headquarters and restructuring expenses, which totaled €6 million in the third quarter and €8.5 million year-to-date. These estimates also do not include any new stock option or share grants, or any new acquisitions or restructurings completed after October 29, 2008.

Webcast and conference call information

Dassault Systèmes will host a webcast and a conference call today, Wednesday, October 29, 2008. Management will host a webcast at 8:30 AM London time/9:30 AM CET time and will then host a conference call at 2:00 PM London time/3:00 PM CET/ 10:00 AM New York time.

The webcast and conference call will be archived for 30 days. Additional investor information can be accessed at **http://www.3ds.com/corporate/investors/** or by calling Dassault Systèmes' Investor Relations at 33.1.40.99.69.24.

Non-GAAP financial information

Readers are cautioned that the supplemental non-GAAP information presented in this press release is subject to inherent limitations. It is not based on any comprehensive set of accounting rules or principles and should not be considered as a substitute for U.S. GAAP measurements. Also, our supplemental non-GAAP financial information may not be comparable to similarly titled non-GAAP measures used by other companies. Further specific limitations for individual non-GAAP measures, and the reasons for presenting non-GAAP financial information, are set forth in the Company's annual report for the year ended December 31, 2007 on Form 20-F filed with the SEC on April 4, 2008 and in the paragraph below.

In addition to the individual non-GAAP measures described in our most recent Form 20-F, our unaudited U.S. GAAP 2008 quarterly financial statements may reflect other operating income and expense, net comprised of income and expenses related to the relocation of the Company's corporate headquarters and restructuring expenses. In our supplemental non-GAAP financial information, we exclude other operating income and expense effects because of their infrequent or non-recurring nature. As a result, we believe that our supplemental non-GAAP financial information helps investors better understand the current trends in our operating performance. However, other operating income and expense, net are components of our income and expenses for 2008 and by excluding them the supplemental non-GAAP financial information understates the net impact to our net income in 2008. Other operating income and expense, net are generally not recurring, and we do not expect to incur other operating income and expense, net as part of our normal business on a regular basis.

To compensate for these limitations, the supplemental non-GAAP financial information should be read not in isolation, but only in conjunction with our consolidated financial statements prepared in accordance with U.S. GAAP.

Information in constant currencies

When the Company believes it would be helpful for understanding trends in its business, the Company provides percentage increases or decreases in its revenue (in both U.S. GAAP and on a non-GAAP basis) to eliminate the effect of changes in currency values, particularly the U.S. dollar and the Japanese yen, relative to the euro. When trend information is expressed herein "in constant currencies", the results of the "current" period have first been recalculated using the average exchange rates of the comparable period in the preceding year, and then compared with the results of the comparable period in the preceding year.

Geomagic Receives $8M Investment from Valhalla Partners

29 October 2008

Geomagic has received an $8 million investment from Valhalla Partners. The funds will be used to develop innovative products and software platforms in engineering and medical markets, accelerate growth rates, and build a scalable business infrastructure.

"Geomagic represents an ideal match for our investment philosophy," says Scott Frederick, a general partner at Valhalla Partners and now a member of Geomagic's board of directors. "The company has patented technology, market leadership, and a strong management team. Geomagic has demonstrated the ability to consistently increase revenue while maintaining a high level of profitability. We are thrilled to help Geomagic attain its next stage of growth."

Since its inception in 1996, Geomagic has developed a range of products for DSSP, which describes the process of digitally capturing physical objects and automatically creating accurate 3D models for downstream design, analysis and inspection. Current Geomagic products include:

• **Geomagic Studio** for digital reconstruction of complex physical objects;

• **Geomagic Qualify**, which enables fast, 3D graphical comparisons between CAD models and as-built parts for first-article inspection, inline or shop-floor inspection, trend analysis, and in-depth assessment;

• **Geomagic Fashion** for quickly extracting design intent of physical objects and creating CAD-ready surfaces for mechanical design;

• **Geomagic Blade**, the first inspection tool based on unique requirements from leading turbine-machinery companies for automatic dimensioning of turbine blades;

• **Geomagic Review,** free software for inspection analysis and collaboration; and

• **Geomagic Piano**, a dental CAD/CAM software platform that can be customized for dental equipment manufacturers.

Version 10 of Geomagic Studio and Geomagic Qualify, released earlier this year, were the most successful new product launches in the company's history, coming at a time when DSSP is being acknowledged as a key to greater productivity and cost savings.

"The support of Valhalla Partners is another validation of our technology and the growing acceptance of the DSSP market category," says Ping Fu, Geomagic president and CEO. "We think the time is right to use our dominance in the early adopter market as a springboard into broader professional markets. Valhalla has the experience, integrity and industry know-how to help us build a great company."

About Valhalla Partners

Based in Vienna, Virginia, the Valhalla Partner's management team has made more than 120 investments over the past 20 years and produced almost $1 billion of investment proceeds. Valhalla prefers investments where the mission of the company is to innovate, challenge and fundamentally change the dynamics of new and existing markets. Investments by Valhalla's team include Advertising.com, BDMetrics, CareerBuilder.com, Clarify, EnterpriseDB, Epicor, Exchange Solutions, JumpTap, LeftHand Networks, Mobius, NextLink, Nirvanix, Progress Software, Proxicom, RealOps, Register.com, Riverbed Technologies, SafeNet, SEPATON, ServiceBench, Trilogy, and webMethods. Valhalla Partners brings the full power and network of its experienced team to every investment it makes, helping companies grow faster and smarter regardless of size or maturity. For more information, go to http://www.valhallapartners.com.

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Lectra : First Nine Months of 2008 Results

28 October 2008

- Revenues: EUR 150.9 million (unchanged)(*)
- Income from operations: EUR 5.1 million (+5%)(*)
- Net income: EUR 2.8 million (-EUR 2 million)
(*) like-for-like

(in millions of euros)	July 1– September 30	July 1– September 30
	2008	2007
Revenues	48.1	52.3
Revenues like-for-like (1)	49.5	52.3
Change like-for-like (1)	-5%	
Income from operations	2.2	4.2
Income from operations like-for-like(1)	2.8	4.2

Change like-for-like(1)	-34%	
Net income	1.2	2.4
Free cash flow before non-recurring items(2)	(5.4)	(5.4)
Equity (3)		
Net financial borrowing(3)		

(in millions of euros)	January 1- September 30	January 1- September 30
	2008	2007
Revenues	150.9	156.5
Revenues like-for-like (1)	156.9	156.5
Change like-for-like (1)	0%	
Income from operations	5.1	7.6
Income from operations like-for-like(1)	8.0	7.6
Change like-for-like(1)	+5%	
Net income	2.8	4.8
Free cash flow before non-recurring items(2)	(5.9)	(7.9)
Equity (3)	29.0	26.3
Net financial borrowing(3)	58.8	50.8

(1) Like-for-like: 2008 figures restated at 2007 exchange rates
(2) Non-recurring components of free cash flow: net disbursement of EUR 0.4 million in Q3 2008 and EUR 1.6 million for the nine months 2008 (EUR 2 million in Q3 2007 and EUR 5.2 million for the nine months of 2007)
(3) At September 30, 2008 and December 31, 2007

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

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

Q3 2008: Orders Decline as Markets Slow Sharply

After the upsurge in uncertainty in July, the nature and unprecedented scale of the financial, stock market, and banking crisis in September led directly to a further and brutal deterioration in

macroeconomic conditions. All sectors of the real economy are now suffering worldwide. Consequently, a growing number of customers postponed their investment decisions. This situation prevails in all of the company's market sectors and geographical markets, for manufacturers as well as for brands, contractors, and subcontractors.

As a result, Q3 orders were down 34% (-EUR 8 million) overall compared to Q3 2007.

Q3 2008 revenues amounted to EUR 48.1 million, down 5% relative to Q3 2007. At actual exchange rates they were down 8%. Revenues from new systems sales (EUR 22.6 million) declined 13%, while recurring revenues (EUR 25.6 million) increased 3%.

Income from operations amounted to EUR 2.2 million. Like-for-like, income from operations amounted to EUR 2.8 million, down EUR 1.4 million or 34% compared to Q3 2007.

Net income was EUR 1.2 million, down EUR 1.1 million at actual exchange rates compared to Q3 2007.

Free cash flow before non-recurring items was negative at -EUR 5.4 million, unchanged from Q3 2007. Free cash flow after non-recurring items was negative at -EUR 5.8 million, compared to a negative EUR 7.4 million in 2007.

First Nine Months of 2008: Income from Operations Holds Up Well

Orders for new software licenses and CAD/CAM equipment are down 25% (-EUR 19.9 million) relative to the first nine months of 2007.

With an average parity of $1.52/EUR 1 for the first nine months of 2008, the U.S. dollar was down 12% compared to the first nine months of 2007. This change mechanically reduced the various revenue components by 4% and income from operations by EUR 2.9 million.

Revenues for the first nine months of 2008 (EUR 150.9 million) was unchanged, like-for-like, from the first nine months of 2007. They were down 4% at actual exchange rates.

Revenues from new systems sales (EUR 73.8 million) fell by 3%. Recurring revenues (EUR 77.1 million) increased by EUR 3.1 million (+4%), versus the company's expectations of 6-7%. This weaker growth resulted from a rate of cancellations exceeding the statistical record, as a direct consequence of worsening macroeconomic conditions.

Recurring revenues again demonstrated their role as a key factor in the company's stability, in Lectra's business model, acting as a cushion in periods of economic slowdown.

Because revenues exceeded orders booked in the period, the order backlog for new software licenses and CAD/CAM equipment at September 30 (EUR 11.3 million) is down by EUR 8.5 million relative to December 31, 2007. The order backlog includes EUR 7.8 million for shipment in the fourth quarter of 2008 and EUR 3.5 million in 2009 and 2010.

The overall gross margin (65.7%) declined 1.3 percentage point relative to the first nine months of 2007, due primarily to differences in the product and country mix.

The company maintained a tight grip on overhead costs, down 2%, while an increase of 3% was anticipated at the beginning of the year.

Income from operations amounted to EUR 5.1 million. On a like-for-like basis, income from operations worked out to EUR 8.0 million, up EUR 0.4 million (+5%). The operating margin was 3.4% (5.1% on a like-for-like basis, or an increase of 0.3 percentage point relative to 2007).

Free cash flow before non-recurring items was negative at -EUR 5.9 million, an improvement of EUR 2 million compared to the first nine months of 2007. Free cash flow after non-recurring disbursements was a negative EUR 7.5 million.

Outlook for Q4 2008

Economic conditions look likely to remain very gloomy over the coming months. The weakness of orders is thus liable to last. However, the company considers that it is not in a position to estimate at this moment the extent of their decline, as visibility is particularly low.

The company has adopted an especially cautious stance in light of this situation, further tightening its grip on overheads. These will continue to decline relative to Q4 2007.

Against this background, in light of the order backlog's weakness at September 30, Q4 revenues are expected to fall by around 20% like-for-like, and income from operations should nevertheless remain positive or be close to breakeven.

The company will communicate its view of the outlook for 2009 in February 12, 2009 when releasing its Q4 and full-year 2008 financial results. This view will take account of macroeconomic developments and trends in its own activities observed between now and then. While the financial crisis and its global fallout continue to hurt the company's sales activity, the dollar's rise, if it persisted, would conversely have a double positive impact--mechanically on the company's business activity and earnings, and by reinforcing its competitiveness.

The company remains confident in the strength of its business model and its medium-term growth prospects once the crisis is over.

The Management Discussion and Analysis of Financial Condition and Results of Operations for the first nine months of 2008 are available at www.lectra.com.

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Magma Announces Second Quarter Earnings Call and Webcast

30 October 2008

What: Magma® Design Automation Inc. will conduct a live webcast and conference call to review financial results for its fiscal 2009 second quarter, ending Nov. 2, 2008.

When: The webcast and conference call will be Thursday, Dec. 4, 2008, at 2 p.m. PST. Magma will release second-quarter financial results after the market closes on Dec. 4. NOTE: This date is 1 week later than Magma would typically announce quarterly results to avoid conflict with the Thanksgiving Day holiday in the United States.

Who: Rajeev Madhavan, chief executive officer; Roy E. Jewell, president and chief operating officer; and Peter S. Teshima, chief financial officer, will host the call.

Webcast: The live webcast will be available online at http://investor.magma-da.com/events.cfm. A replay of the webcast will be available on Magma's website through Dec. 11, 2008.

Phone: Listen to the live call by telephone at the numbers below:

U.S. & Canada: (877) 545-1415

Elsewhere: (719) 325-4906

A telephone replay will be available beginning at 5 p.m. PST on Dec. 4 until 11:59 p.m. PST on Dec. 11 at the numbers below:

U.S. & Canada: (888) 203-1112   , code #4002680

Elsewhere: (719) 457-0820   , code #4002680

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PTC Announces Record Q4 and Full Fiscal 2008 Revenue; Issues Q1 Guidance and Full Fiscal Year 2009 Targets

29 October 2008

PTC reported results for its fiscal fourth quarter and year ended September 30, 2008.

Highlights
- Q4 non-GAAP Results: Revenue of $300.2 million and EPS of $0.45
- Q4 GAAP Results: Revenue of $299.5 million and EPS of $0.31

- FY 2008 non-GAAP Results: Revenue of $1,075 million with EPS of $1.36
- FY 2008 GAAP Results: Revenue of $1,070 million with EPS of $0.68

- Q1 non-GAAP Guidance: Revenue of $250 to $260 million with EPS of $0.23 to $0.29
- Q1 GAAP Guidance: Revenue of $250 to $260 million with EPS of $0.11 to $0.17

- FY 2009 non-GAAP Target: Revenue of $1,100 million with EPS of $1.35 to $1.40
- FY 2009 GAAP Target: Revenue of $1,100 million with EPS of $0.85 to $0.90

Q4 Results

C. Richard Harrison, president and chief executive officer, commented, "We achieved record revenue in our fourth quarter and full fiscal year. Our non-GAAP year-over-year revenue growth was 13% in the fourth quarter and 14% for the full year, reflecting contribution from the CoCreate Software business acquired on November 30, 2007, favorable currency impact and organic growth. Importantly, we achieved $502 million in non-GAAP maintenance revenue in FY'08, which is largely a recurring revenue stream, and our reseller channel delivered 39% year-over-year growth." GAAP year-over-year revenue growth was 12% for the fourth fiscal quarter and 14% for the full year. GAAP maintenance revenue was $498 million. Non-GAAP revenue and non-GAAP maintenance revenue exclude the effect of purchase accounting on the acquired deferred maintenance revenue balance of CoCreate of approximately $1 million in the fourth quarter and $5 million for the full year.

The following tables provide further detail on PTC's GAAP revenue performance by line of business, region and distribution channel. Further financial and operating metrics are available on PTC's web site at www.ptc.com/for/investors.htm.

($ in millions)	Q4 FY'07	Q1 FY'08	Q2 FY'08	Q3 FY'08	Q4 FY'08	Q4 Y-Y Change	FY'08	FY Y-Y Change
License	$96.1	$67.2	$72.9	$77.6	$98.5	3%	$316.2	7%
Services	$64.6	$60.2	$63.8	$63.8	$68.8	7%	$256.6	8%
Maintenance	$106.0	$113.8	$121.1	$130.3	$132.2	25%	$497.5	22%
Total	$266.7	$241.2	$257.8	$271.7	$299.5	12%	$1,070.3	14%

Europe	$101.6	$101.6	$106.2	$111.8	$130.7	29%	$450.3	27%
Americas	$102.2	$84.5	$88.2	$90.0	$101.9	0%	$364.6	0%
Pacific Rim	$34.3	$30.0	$33.5	$34.2	$39.5	15%	$137.2	9%
Japan	$28.6	$25.1	$29.9	$35.7	$27.4	-4%	$118.2	21%
Total	$266.7	$241.2	$257.8	$271.7	$299.5	12%	$1,070.3	14%
Direct	$215.3	$182.5	$190.3	$201.3	$224.2	4%	$798.4	7%
Channel	$51.4	$58.7	$67.5	$70.4	$75.3	47%	$271.9	39%
Total	$266.7	$241.2	$257.8	$271.7	$299.5	12%	#1,070.3	14%

Harrison added, "In the fourth quarter, PTC received major orders from leading organizations, including Continental AG, Cisco, China Shipbuilding Group, EADS, Gildemeister, Hager, Kellog Brown and Root, NASA, SMS Demag AG, Redcats, Schaeffler, Toyota, Tyco, US Army, Wuhan Ship Development and Xian Aircraft."

"There were 25 customers from which we recognized more than $1 million of license and services revenue in Q4. This compares to 13 customers last quarter and 22 in the same period last year. We recognized $61.3 million of license and services revenue from such customers in Q4, compared with $35.6 million last quarter and $58.2 million in Q4 of last year."

Neil Moses, chief financial officer, commented, "We delivered 24.9% non-GAAP operating margin in the fourth quarter, an 80 basis point improvement from the same period last year. Our FY'08 non-GAAP operating margin of 21.6% is up 460 basis points over fiscal 2007." GAAP operating margins for Q4 of 2008 and the full fiscal year 2008 were 15.8% and 11.7%, respectively. The Company's non-GAAP tax rate was 27% in Q4 of 2008 and 31% for the full year. PTC's GAAP tax rate was 22% in Q4 and 33% for the full year.

Moses continued, "During the quarter, we recorded a $4.7 million restructuring charge related to our ongoing globalization initiative as we continue to transition certain back-office functions to lower cost regions."

Moses added, "Cash flow from operations was $41 million for the fourth quarter. We generated $222 million of cash flow from operations for the full fiscal year, compared to $127 million in FY'07. We used $11 million in Q4 to repay amounts borrowed under our revolving credit facility to finance the CoCreate acquisition, leaving an outstanding loan balance of $89 million at the end of the fourth quarter. Cash and cash equivalents were $257 million at the end of fiscal 2008."

FY'09 Outlook

For the fiscal year ending September 30, 2009, PTC currently expects revenue to be approximately $1,100 million with non-GAAP earnings per diluted share in the range of $1.35 to $1.40. PTC expects GAAP earnings per diluted share in the range of $0.85 to $0.90 for the 2009 fiscal year. The full fiscal year guidance assumes a non-GAAP and GAAP tax rate of 30%.

The non-GAAP earnings guidance excludes approximately $47 million of stock-based compensation expense, $37 million of acquisition-related intangible asset amortization expense and the related income tax effects.

Harrison said, "Given the potential impact of a slowing economy in 2009 and currency fluctuations, we believe that our outlook and initiatives reflect a warranted balance of caution about next year and optimism about the longer-term health and growth potential of the business. We start the year with an

expanded direct sales force resulting from investments made in fiscal 2008, and intend in fiscal 2009 to increase our investment in marketing in support of our reseller channel, in sales to develop a network of enterprise resellers, in services to develop an ecosystem of strategic services partners, and in R&D to further improve the breadth and competitiveness of our product portfolio."

Moses added, "We remain focused on enhancing our longer-term business model through our on-going efforts to evolve our distribution model, globalize our workforce, and leverage the value of our Services business. Given the current difficult economic outlook, we are expecting FY'09 non-GAAP operating margins to be comparable to FY'08; however, we remain committed to further expanding our operating margins over the longer-term and believe the strategic investments we are making this year position us well for the future. Should our revenue estimates prove conservative for the year, there is opportunity for continued margin expansion in FY'09."

Q1 FY'09 Outlook

"Looking forward to Q1, we are currently expecting revenue to be between $250 million and $260 million," said Harrison. "Non-GAAP earnings per diluted share are expected to be between $0.23 and $0.29." PTC expects GAAP Q1 earnings per diluted share between $0.11 and $0.17. The Q1 guidance assumes a non-GAAP and GAAP tax rate of 30%.

The Q1 non-GAAP earnings guidance excludes approximately $11 million of stock-based compensation expense, $9 million of acquisition-related intangible asset amortization expenses and the related income tax effects.

Earnings Conference Call and Webcast

What: PTC Fiscal Q4 Conference Call and Webcast

IMPORTANT: Supplemental financial and operating metric information and prepared remarks with respect to tomorrow's conference call have been posted to the investor relations section of our website at http://www.ptc.com. The prepared remarks will not be read live; the call will be primarily Q&A.

When: Wednesday, October 29, 2008 at 8:30 a.m. Eastern Time

Dial-in: 1-888-566-8560 or 1-517-623-4768

Call Leader: Richard Harrison

Passcode: PTC

Webcast: http://www.ptc.com/for/investors.htm

Replay: The audio replay of this event will be archived for public replay until 4:00 pm on November 3, 2008 at 1-800-947-6592 or 1-402-220-4606. To access the replay via webcast, please visit http://www.ptc.com/for/investors.htm.

Click here to access the full press release with financial tables.

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PTC: Q4 and Fiscal 2008 Prepared Remarks

29 October 2008

We provide a written copy of our prepared remarks in conjunction with the press release after the market closes on Tuesday, October 28. Our conference call before the market opens the morning of

Wednesday, October 29 will be primarily Q&A. The intent behind this process is to provide our shareholders with more time to review and analyze our results.

OPENING COMMENTS

Q4 and FY'08 were the highest revenue quarter and year in PTC's 25 year history. We also generated $222 million of operating cash flow in FY'08 and achieved a 460 basis point improvement in our non-GAAP operating margins.

Click here to read the entire script of prepared remarks.

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SAP Announces 2008 Third Quarter and Nine Month Results

28 October 2008

SAP AG announced its preliminary financial results for the third quarter and nine months ended September 30, 2008.

View the Detailed Results (PDF)

Presentation (PDF)

Listen to the Webcast

HIGHLIGHTS – Third Quarter2008

	SAP - Third Quarter2008*						
	U.S. GAAP			Non-GAAP**			
€million	Q3/2008	Q3/2007	% change	Q3/2008	Q3/2007	% change	% change constant currency***
Software revenues	763	714	7	763	714	7	11
Software and software-related service revenues	1,994	1,735	15	2,035	1,735	17	22
Total revenues	2,761	2,419	14	2,802	2,419	16	20
Operating income	614	606	1	731	624	17	23
Operating margin (%)	22.2	25.1	-2.9pp	26.1	25.8	0.3pp	0.5pp
Income from continuing operations	409	414	-1	496	425	17	_
Net income	388	408	-5	475	419	13	_
Basic EPS from cont. operations (€)	0.35	0.35	0	0.41	0.36	14	_

*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.

Revenues

Third quarter 2008 U.S. GAAP software and software-related service revenues were €1.99 billion (2007: €1.74 billion), representing an increase of 15% compared to the third quarter of 2007. Non-GAAP software and software-related service revenues, which exclude a non-recurring deferred support revenue write-down from the acquisition of Business Objects of €41 million, for the third quarter of 2008 were €2.04 billion (2007: €1.74 billion). This represents an increase of 17% (22% at constant currencies) compared to the third quarter of 2007. If SAP's reporting currency was the U.S. Dollar, Non-GAAP software and software-related service revenues for the third quarter would have increased 26% compared to the same period one year ago.

Excluding the contribution from Business Objects, SAP's business contributed 7 percentage points to the constant currency growth of the Non-GAAP software and software-related service revenues for the third quarter of 2008.

U.S. GAAP total revenues for the 2008 third quarter were €2.76 billion (2007: €2.42 billion), which was a year-over-year increase of 14%. Non-GAAP total revenues, which exclude a non-recurring deferred support revenue write-down from the acquisition of Business Objects of €41 million for the third quarter of 2008, were €2.80 billion (2007: €2.42 billion), which is an increase of 16% (20% at constant currencies) compared to the third quarter of 2007.

Third quarter 2008 U.S. GAAP software revenues were €763 million (2007: €714 million), representing an increase of 7% (11% at constant currencies) compared to the third quarter of 2007.

Income

U.S. GAAP operating income for the third quarter was €614 million (2007: €606 million), which was an increase of 1% compared to the third quarter of 2007. Third 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 €117 million, was €731 million (2007: €624 million), which was an increase of 17% (23% at constant currencies) compared to the third quarter of 2007.

The U.S. GAAP operating margin for the third quarter of 2008 was 22.2% (2007: 25.1%). The third quarter Non-GAAP operating margin was 26.1% (2007: 25.8%), or 26.3% at constant currencies. Both the U.S. GAAP and the Non-GAAP operating margins were impacted by one-time expenses associated with the integration of Business Objects (which are not acquisition-related charges) of approximately €14 million.

U.S. GAAP income from continuing operations for the third quarter of 2008 was €409 million (2007:

€414 million), representing a decrease of 1% compared to the third 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 €87 million, was €496 million (2007: €425 million), representing an increase of 17% compared to the third quarter of 2007.

U.S. GAAP basic earnings per share from continuing operations for the third quarter of 2008 was €0.35 (2007: €0.35), which was flat compared to the same period in 2007. Non-GAAP earnings per share from continuing operations for the third quarter of 2008 was €0.41 (2007: €0.36), which was an increase of 14% compared to the same period in 2007.

"The third quarter 2008 was SAP's 19th consecutive quarter of double-digit growth in software and software-related service revenues at constant currencies. This was an achievement in a period where the global financial crisis had a significant impact on customer decisions towards quarter end," said Henning Kagermann, co-CEO of SAP. "Customers are continuing to spend on our products, but the economic and business environment is uncertain. Our business model is flexible, and we are focusing on protecting our operating margins and earnings."

Mr. Kagermann continued, "We are assessing business activity continuously, and we are balancing the need for greater efficiencies with steady advancements in our products, customer services and technologies, while addressing customers' most critical business issues. This approach has worked well for customers and SAP throughout the up and down economic cycles of the past, and has contributed to SAP's market leadership. We've been through uncertainty before, and have always emerged as a better, stronger and more efficient company."

Core Enterprise Applications Vendor Share
Based on U.S. GAAP third 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 $38.7 billion in software and software-related service revenues as defined by the Company based on industry analyst research, was 33.4% for the four-quarter period ended September 30, 2008. This represents a 6.5 percentage point increase compared to the four quarter period ended September 30, 2007, of which approximately 3.3 percentage points came from organic growth and 3.2 percentage points from the acquisition of Business Objects.

Cash Flow
Operating cash flow from continuing operations for the first nine months of 2008 was €1.97 billion (2007: €1.34 billion). Free cash flow for the first nine months of 2008 was €1.73 billion (2007: €1.05 billion), which was 21% of total revenues (2007: 15%). At September 30, 2008, the Company had total group liquidity of €1.6 billion (December 31, 2007: €2.8 billion), which includes cash and cash equivalents, restricted cash and short term investments.

Share Buyback
In the third quarter of 2008 the Company bought back 2.8 million shares at an average price of €37.75 (€104.2 million). Of the total shares purchased in the third quarter, 983,153 shares were subsequently acquired from the Company by employees who exercised stock options under SAP's share-based compensation programs. The number of shares bought back in the third quarter of 2008 represented 0.23% of the total shares outstanding. At September 30, 2008, the Company held treasury stock in the amount of 38.7 million shares (approximately 3.15% of total shares outstanding) at an average price of €35.43. For the first nine months of 2008, the Company invested €486.8 million buying back approximately 14.6 million shares at an average price of €33.34.

HIGHLIGHTS – Nine Months 2008

€million	U.S. GAAP			Non-GAAP**			
	9M/2008	9M/2007	% change	9M/2008	9M/2007	% change	% change constant currency***
Software revenues	2,283	1,992	15	2,283	1,992	15	21
Software and software-related service revenues	5,791	4,954	17	5,931	4,954	20	26
Total revenues	8,079	7,002	15	8,219	7,002	17	24
Operating income	1,566	1,623	-4	1,931	1,665	16	25
Operating margin (%)	19.4	23.2	-3.8pp	23.5	23.8	-0.3pp	0.2pp
Income from continuing operations	1,067	1,179	-9	1,338	1,205	11	–
Net income	1,038	1,167	-11	1,309	1,193	10	–
Basic EPS from cont. operations (€)	0.90	0.98	-8	1.12	1.00	12	–

Title: SAP - Nine Months 2008

*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.

Revenues

Nine-month 2008 U.S. GAAP software and software-related service revenues were €5.79 billion (2007: €4.95 billion), representing an increase of 17% compared to the first nine months of 2007. Non-GAAP software and software-related service revenues, which exclude a non-recurring deferred support revenue write-down from the acquisition of Business Objects of €140 million, for the first nine months of 2008 were €5.93 billion (2007: €4.95 billion). This represents an increase of 20% (26% at constant currencies) compared to the first nine months of 2007. If SAP's reporting currency was the U.S. Dollar, Non-GAAP software and software-related service revenues for the first nine months would have increased 35% compared to the same period one year ago.

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 for the 2008 nine-month period.

U.S. GAAP total revenues for the 2008 nine-month period were €8.08 billion (2007: €7.00 billion), which was a year-over-year increase of 15%. Non-GAAP total revenues, which exclude a non-recurring deferred support revenue write-down from the acquisition of Business Objects of €140 million for the first nine months of 2008, were €8.22 billion (2007: €7.00 billion), which was an increase of 17% (24% at constant currencies) compared to the first nine months of 2007.

Nine-month 2008 U.S. GAAP software revenues were €2.28 billion (2007: €1.99 billion), representing an increase of 15% (21% at constant currencies) compared to the same period in 2007.

Income

U.S. GAAP operating income for the 2008 nine-month period was €1.57 billion (2007: €1.62 billion), which was a decrease of 4% compared to the same period in 2007. The nine-month 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 €365 million, was €1.93 billion (2007: €1.67 billion), which was an increase of 16% (25% at constant currencies) compared to the first nine months of 2007.

The U.S. GAAP operating margin for the 2008 nine-month period was 19.4% (2007: 23.2%). The nine-month Non-GAAP operating margin was 23.5% (2007: 23.8%), or 24.0% at constant currencies. Both the U.S. GAAP and the Non-GAAP operating margins were impacted by 1) €24 million expensed in the second quarter of 2008 for the settlement of a litigation and, 2) one-time expenses associated with the integration of Business Objects (which are not acquisition-related charges) of approximately €33 million.

U.S. GAAP income from continuing operations for the nine-month period of 2008 was €1.07 billion (2007: €1.18 billion), representing a decrease of 9% compared to the same period in 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 €271 million, was €1.34 billion (2007: €1.21 billion), representing an increase of 11% compared to the 2007 nine-month period. Nine-month 2007 U.S. GAAP and Non-GAAP income from continuing operations were positively impacted by a 2007 second quarter effective tax rate of 25.5% and 25.8%, respectively, partly resulting from non-recurring tax effects.

U.S. GAAP earnings per share from continuing operations for the first nine months of 2008 was €0.90 (2007: €0.98), which was a decrease of 8% compared to the same period in 2007. Non-GAAP earnings per share from continuing operations for the 2008 nine-month period was €1.12 (2007: €1.00), which was an increase of 12% compared to the same period in 2007.

BUSINESS OUTLOOK

In its previous outlook provided on July 29, 2008, the Company had expected full-year 2008 Non-GAAP software and software-related service revenues to increase at the upper end of the range of 24% – 27% at constant currencies and full-year 2008 Non-GAAP operating margin to be at the upper end of the range of 28.5% – 29.0% at constant currencies.

In light of the uncertainties surrounding the current economic and business environment, the Company decided to no longer provide a specific outlook for Non-GAAP software and software-related service revenues for the full-year 2008. However, with recent cost savings initiatives in place, the Company

expects the full-year 2008 Non-GAAP operating margin, which excludes a non-recurring deferred support revenue write-down of €180 million from the acquisition of Business Objects and acquisition-related charges, to be around 28% at constant currencies if the Company can increase Non-GAAP software and software-related service revenues, excluding a non-recurring deferred support revenue write-down from the acquisition of Business Objects, in a range between 20% – 22% at constant currencies for the full year 2008.

The Company continues to project an effective tax rate of 31.0% - 31.5% (based on U.S. GAAP income from continuing operations) for 2008.

KEY EVENTS – Third Quarter 2008

In the third quarter of 2008, SAP closed major contracts in several key regions including Bundesagentur für Arbeit, CENEXI, DTEK, Imperial Bank Limited, and TD Perekrestok in EMEA; Callaway Golf Company, Loblaw Companies Limited, Municipio de Medellin, Servicios Liverpool, and Southern California Edison in Americas; and China Telecom System Integration Co., Ltd, Gansu Electric Power Corp., Tomen Electronics Corp., Universal Scientific Industrial Co., Ltd., and Wuthelam Holdings Pte Ltd in the Asia Pacific Japan region.

In the third quarter, SAP signed a Global Enterprise Agreement (GEA) with Procter & Gamble. The GEA with P&G extends SAP's position as a leader in providing comprehensive enterprise software for the consumer products industry.

On September 16, 2008, SAP and The Hong Kong and Shanghai Banking Corporation announced that the HSBC Group (HSBC) will create a leading edge bank-client integration solution using the SAP NetWeaver technology platform to streamline and automate the bank's communications for the delivery of banking services to its corporate banking clients.

On September 9, 2008, Business Objects announced the availability of BusinessObjects Metadata Management XI 3.0, software that enables organizations to support data governance by providing a central view of metadata assets and their relationships.

On September 9, 2008, SAP announced a SAP NetWeaver Fund investment in InnoCentive, Inc., a global online open innovation marketplace. The addition of InnoCentive to the SAP ecosystem further fosters co-innovation by providing a global platform in which solution-providers are financially rewarded for offering solutions to complex business challenges.

This year's SAP TechEd 2008 event season is driven by the theme "Connect, Collaborate, Co-Innovate," bringing together the worldwide technical community to harness the collective knowledge and resources of the SAP ecosystem, helping them enhance their skills, get their jobs done with efficiency and provide added benefit to their companies. Now in its 12th year, SAP TechEd 2008 took place in Las Vegas on September 8-12 with 6,000 attendees, Berlin on October 14-16 with 4,500 attendees, and will take place in Shanghai on November 5-6 and Bangalore on November 12-14.

Based on the resolutions of the SAP AG Annual General Meetings of Shareholders on May 9, 2006 and May 10, 2007, on September 3, 2008 the Executive Board of SAP AG resolved to decrease the Company's capital stock from €1,246,683,912.00 (represented by 1,246,683,912 no-par shares, each with an attributable subscribed capital of €1) to €1,225,683,912.00 (represented by 1,225,683,912 no-par shares, each with an attributable subscribed capital of €1) by cancelling 21,000,000 treasury shares, representing 1.68% of the capital stock before this corporate action.

On August 12, 2008, Business Objects announced the latest versions of its solutions for enterprise

performance management (EPM), which will provide customers with improved control and agility, enabling them to enhance performance across both finance and operations. Additionally, Business Objects announced the availability of BusinessObjects Xcelsius Present. Xcelsius Present is a data-visualization tool that transforms ordinary, static Microsoft Office Excel spreadsheets into captivating visuals and allows business users to share them via Microsoft PowerPoint or Adobe PDF files.

On July 16, 2008, SAP announced the availability of SAP Enterprise Support to all customers, as of January 1, 2009, further demonstrating a dedication to providing solutions and support offerings that meet the evolving needs of customers.

On July 15, 2008, SAP announced the 20,000th customer for SAP Business One, its integrated business management application for small businesses, proving the rapid market adoption rate of the application, for which SAP has been able to double its customer base in less than two years.

Effective July 1, 2008, the Supervisory Board of SAP AG appointed Erwin Gunst, Bill McDermott and Jim Hagemann Snabe as three new members of the SAP Executive Board. McDermott is responsible for all sales regions worldwide: Snabe has full development responsibility for SAP Business Suite and the SAP NetWeaver technology platform and Gunst is charged with further improving the company's operations and process efficiency in the newly created position of chief operating officer (COO).

Use of Non-GAAP Financial Measures
This press release contains certain financial measures such as Non-GAAP revenues, Non-GAAP operating income, Non-GAAP operating margin, free cash flow, constant currency revenue and operating income measures, as well as U.S. Dollar based Non-GAAP revenue numbers. 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 $38.7 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 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 on Tuesday, October 28th at 3:00 pm (CET) / 2:00 pm (GMT) / 10:00 am (EDT) / 7:00 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. Supplementary financial information pertaining to the quarterly results can be found at http://www.sap.com/investor.

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Implementation Investments

Autodesk Names ClearEdge Power as Inventor of the Month for October 2008

29 October 2008

Autodesk, Inc. has named ClearEdge Power, Inc., a leading provider of ultraclean and efficient on-site energy generation systems for homes and small businesses, as the Autodesk Inventor of the Month for October 2008.

ClearEdge takes the fuel cell technology that has been used successfully for industry and scales it for homes and small businesses to create a more energy- and cost-efficient on-site generation system. ClearEdge used Autodesk Inventor software to develop its first product, the CE5, a highly efficient energy system that converts clean natural gas into two important home and business energy needs: heat and power.

"Our engineers love Inventor because they can take an idea, develop a design, create a digital prototype, and analyze performance -- without ever leaving their computers," said Zakiul Kabir, senior vice president of Engineering and Product Development at ClearEdge. "We can go from concept to actual product, without spending a dime on sheet metal for physical prototypes."

The five-year-old clean tech company is changing the way homes and businesses get their energy. By capitalizing on advances in fuel cells, fuel processing technology and power conditioning systems, the CE5 is a compact energy system that is clean, efficient and environmentally sound. The home fuel cell system delivers up to 40 percent savings on utility bills to home and business owners, while dramatically reducing carbon dioxide emissions.

ClearEdge's chemical and mechanical engineers use Inventor for all of their design work, from designing production tools and product components to assembling complete, integrated fuel cell systems. By doing all design work digitally, the company's engineers can visualize and simulate the real-world performance of every aspect of the design, from pipes and plumbing to electrical controls.

Working with Autodesk reseller and training partner IMAGINiT Technologies helped ClearEdge to rapidly experience the benefits of Digital Prototyping.

For example, doing everything digitally helps all the components work together within the tight space constraints of a 5 kW fuel cell system that is only three feet wide, two feet deep, and five feet tall. In this way, the Inventor software enables ClearEdge to more efficiently analyze multiple what-if scenarios, accelerating time to market.

"For innovative startup companies like ClearEdge, Digital Prototyping is a way to save time and money, build better products, and beat the competition to market," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "We are thrilled at the competitive advantage that Inventor software has provided ClearEdge."

For more information about Autodesk Inventor of the Month, contact them at IOM@autodesk.com.

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Avnera Standardizes On Magma Implementation Flow -- Cites Fast Design Completion

29 October 2008

Magma(r) Design Automation Inc. announced that Avnera Corporation standardized on Magma's implementation software for development of its AvneraAudio™ integrated circuits and modules. Avnera, a fabless semiconductor company developing breakthrough technology for wired-quality wireless audio, selected the Magma system for its ability to shorten total turnaround time and get finished chip designs to market faster.

"Avnera technology enables breakthrough wired-quality audio products," said Yatin Majmudar, vice president of Operations for Avnera. "The use of Magma's system has enabled a significant quality and time-to-market advantage."

Avnera makes ICs and modules for both wireless transmitters and receivers including its flagship AudioMagic chips that deliver wired-sound quality and driverless plug-and-play installation.

"The real value Magma delivers is enhancing customers' productivity by enabling them to finish designs faster," said Kevin Moynihan, general manager of Magma's Design Implementation Business Unit. "Avnera's decision to standardize on Magma software confirms the software's ability to address the design challenges of advanced semiconductors."

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Cadence Encounter Test helps Hitachi Improve Product Quality and Lower Manufacturing Test Cost

29 October 2008

Cadence Design Systems, Inc. announced that its test technologies have enabled Hitachi Ltd., in the hardware domain of Information & Telecommunication Systems, to cost-effectively produce high-performance large scale integrated circuit (LSI) devices in volume with the lowest number of test escapes or defects achieved by Hitachi to date. By combining Cadence® Encounter® Test pattern-fault modeling with the state-of-the-art test pattern generation, compression technology and diagnostics, Cadence helps Hitachi ensure that these complex, high-performance LSI devices work as designed.

Working together, Cadence and Hitachi have significantly advanced LSI device quality through innovative test methodologies. By combining Cadence's unique pattern fault modeling technology, SDF-based dynamic test generation, and OPMISR+ compression with Hitachi's test methodology, the two companies produced test vector compression results exceeding 300X. This matches industry compression requirements set for 2011, according to an ITRS industry survey published in 2007. In addition, the test coverage results for single-stuck-at-fault, delay-based and bridge fault exceeded Hitachi's requirements.

Combined with the Cadence diagnostic solution, the fault modeling and compression technologies result in faster yield ramps and more accurate and efficient vector sets than previous solutions. The increased accuracy leads to fewer test escapes, eliminating the need for time-consuming iterative debug and refinement loops to achieve high-quality test patterns.

"Through the Cadence Encounter Test pattern fault model and advanced test compression technology, we were able to achieve better test quality and meet our test cost requirements," said Toru Hiyama, general manager, Hardware MONOZUKURI Division at Hitachi, Ltd. "Our requirements were extremely aggressive, with challenges requiring advanced knowledge and leading technology capabilities, so we were really happy when the Encounter Test team was able to come through."

"Cadence Encounter Test solutions are production-proven for advanced semiconductor designs," said Sanjiv Taneja, vice president, Encounter Test at Cadence. "Our strategy is to drive physical and process

awareness into front-end design not only for physical implementation but for test pattern generation as well. Each path requires advanced modeling for quality, accuracy, and improved run times to provide high-quality, cost-effective solutions that result in greater profitability for our customers. This is a key combination in this era of nanometer design."

Cadence will demonstrate both Encounter True-Time Test ATPG and Encounter Test compression technology in Booth #221 at the International Test Conference (ITC) 2008, being held at the Santa Clara Convention Center, Oct. 28-30.

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Cadence Low-Power Solution Enables Legend Silicon to Achieve 90nm First Silicon Success

28 October 2008

Cadence Design Systems, Inc. announced that Legend Silicon, a leading technology company delivering semiconductor solutions for terrestrial digital TV (DTV), has taped out a 90-nanometer design by leveraging the Cadence® Low-Power Solution to achieve first silicon success. Legend Silicon has selected Cadence as their primary EDA supplier for 65 and 45 nanometer designs, and will adopt the complete Cadence Low-Power Solution, affirming the commitment from Cadence to enable innovation and strength in low-power designs.

With Cadence software, Legend Silicon taped out a challenging, multi-million gate 90-nanometer DTV design, which is now in volume production. As a result, Legend Silicon continues to offer leading-edge digital television products to its customers..

"Leveraging Cadence design, verification and implementation technologies, Legend Silicon is able to beat an aggressive design schedule and achieve first silicon success," said Dr. Lin Yang, the CTO of Legend Silicon. "By selecting Cadence as our primary EDA vendor for 65 and 45 nanometers and collaborating closely together, we will be able to maintain and sharpen our competitive edge in DTV and wireless fields, and provide better solutions to our customers within a shorter timeframe."

As the primary EDA supplier, Cadence will provide Legend Silicon with advanced EDA technologies for 45-nanometer/65-nanometer low-power hierarchical flow. Legend Silicon will also adopt the Common Power Format (CPF)-based Cadence Low-Power Solution, consisting of Incisive® Enterprise Simulator, Encounter® Conformal® Low Power, Encounter RTL Compiler global synthesis, Encounter™ Digital Implementation System, and Encounter Power System.

Cadence is committed to enabling innovation and success for customers," said Lung Chu, president of Cadence Asia Pacific and corporate VP of Cadence. "The proven Cadence Low-Power Solution based on CPF will enable Legend Silicon to realize the power-reduction benefits of advanced low-power management strategies, while speeding up time to market, improving productivity and reducing risk in their design methodology."

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Defense Information Systems Agency (DISA) selects CollabNet for Open Software Development Framework

29 October 2008

At the DoD Open Technology Conference, CollabNet announced that the Defense Information Systems

Agency (DISA), a combat support agency for the Department of Defense, selected CollabNet SourceForge Enterprise and CollabNet CUBiT to serve as the foundation for its internal software development community - DISA FORGE - where local and geographically distributed members jointly participate in the design, build and test processes of Defense Department software projects.

DISA provides real-time information technology and communications support to the president, vice president, secretary of defense, the military services, and all combatant commands. Supporting these demands requires adaptable software development solutions for a highly distributed DISA development team. Working with Carahsoft Technology Corp., the industry's leading government IT solutions provider and CollabNet reseller, DISA selected CollabNet SourceForge Enterprise as the Application Lifecycle Management (ALM) framework to securely access and manage the source code, issues, releases, documents, discussion forums, wikis, reports, and other artifacts related to their projects. Additionally, CollabNet CUBiT was selected as the virtual private cloud management solution for teams to access build and test environments on-demand, from a pool of internally managed, secure computing resources. CollabNet delivers this strategic software development framework as a DISA Software-as-a-Service (SaaS) solution for low cost and ease of deployment.

After a thorough review of competitive products, DISA chose to implement CollabNet SourceForge Enterprise and CollabNet CUBiT because of the flexibility and the open platform that ensures forward compatibility as software development methodologies advance. Both products easily integrate with existing CollabNet installations throughout the Defense Department and are available as on-site and SaaS deployments, which are key to providing scalability while reducing costs.

"DISA's critical role in the Department of Defense requires a unique solution that enables development teams to securely build software from anywhere in the world," said Tony De La Lama, CollabNet vice president of worldwide marketing and corporate strategy. "CollabNet is delighted to be selected as a partner that is at the forefront of this open source movement within DISA to shape the software development processes within the Department of Defense."

"Carahsoft and its vendor partners have been supporting the mission-critical IT needs of DISA for many years, and we are pleased to team with CollabNet to provide DISA with a proven solution for collaborative software development," said Craig P. Abod, Carahsoft president.

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Eurostep France Receives Contract from Bouygues TRAVAUX PUBLICS to Deliver Building Information Management (BIM) Proof Of Concept

28 October 2008

The leading French company Bouygues Travaux Publics has awarded Eurostep a contract to deliver a Proof of Concept around collaboration in the Building and Construction industry. The Proof of Concept will focus on the design of a collaborative platform illustrating how end-users from different organizations, with different roles and tools could cooperate in the early design phases of a building lifecycle process. The project will demonstrate the value of collaboration in Building Information Management (BIM).

At the heart of this project is the idea that the collaborative techniques introduced by new information technologies will impact the building design process and that part of the experience gained in other industries, like aerospace and defense, could be transposed and adapted to the building industry.

Eurostep has vast experience in the domain of the extended enterprise in different industries such as aeronautics, defence and construction. Eurostep has contributed to large R&D European projects such as VIVACE (Value Improvement through a Virtual Aeronautical Collaborative Enterprise) and also delivered its commercial software into several production projects realizing PLM Collaboration in the Extended Enterprise. Eurostep has since many years been engaged in the building industry through its participation in the IFC modeling and implementation by providing support and tools to software vendors, to various European projects and to the management of the innovative SABLE work.

"This order is a clear indication that BIM is taken seriously by the leaders in the industry" says Håkan Kårdén, CEO Eurostep Group AB. "We are committed to standards development and to make this technology available through commercial software. This order by one of the leading companies is a confirmation that our strategy has delivered value", ends Mr. Kårdén.

Christian Giraud, Managing Director Eurostep France says: "We are proud to start a collaboration with Bouygues TRAVAUX PUBLICS. We are already seeing much success in Aerospace and Defence here in France since we started Eurostep SARL in 2007, and with this order we are in an even stronger position for the future", ends Mr. Giraud.

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Florida Department of Transportation Joins Bentley's Enterprise License Subscription Program

27 October 2008

Bentley Systems, Incorporated announced that Florida Department of Transportation (FDOT) has joined Bentley's Enterprise License Subscription (ELS) program for a three-year term. Bentley's ELS will extend FDOT's software capability by granting FDOT access to a comprehensive portfolio of civil engineering, architectural, construction, operations, and geospatial software for a single annual fee. Built on a common platform, the portfolio includes almost 200 integrated and interoperable design, analysis, and collaboration software products.

For more than a decade, FDOT has utilized Bentley's software, including MicroStation and GEOPAK, to help it design Florida's roads, bridges, and other transportation infrastructure. Through its new three-year ELS, the department continues its long-standing use of software and services from Bentley and capitalizes on its investment in the expertise that hundreds of FDOT designers and consultants have acquired in the use of Bentley technology – both of which are key components in FDOT's ability to tackle a $41.7 billion work program over the next five years.

FDOT's expertise in Bentley solutions is coupled with professional training provided by Bentley. FDOT's curriculum was customized by Bentley, as were certain key software tools, to better address the department's specific workflow requirements. As Bentley introduces new software capabilities, FDOT will be able to maintain training readiness through its renewal of two three-year training agreements with Bentley. In addition, ready access to future training will enable FDOT to bring new team members up to speed on Bentley's technology and make them more productive in less time.

Bentley's ELS gives FDOT technically creative alternatives and means for sustainable solutions for its civil engineering projects. As a strategic benefit, Bentley's ELS helps organizations like FDOT become more agile. Project starts can happen faster, teams can reconfigure for new opportunities more quickly, and new technology can be infused into projects more readily. Moreover, ELS agreements can include partners, extending the flexibility and multiplying the benefits in statewide, national, or global projects.

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Grace Semiconductor Adopts Cadence Virtuoso 6.1 PDK Development System

27 October 2008

Cadence Design Systems, Inc. announced that Grace Semiconductor Manufacturing Corporation, a leading foundry in China for analog and mixed-signal semiconductor products for high-volume consumer applications, has adopted Cadence® Virtuoso® 6.1 technology for developing and testing process design kits (PDKs). The Cadence Virtuoso 6.1 "PDK Automation System," or PAS, aids in the efficient creation of PDKs, while the "System for Testing PDKs," or STEP, enables quality assurance of PDKs. Using PAS and STEP, Grace Semiconductor has developed and validated its 0.18-micron mixed-signal, RF PDK, which is now available for its global customers.

"Our new 0.18-micron mixed-signal, RF PDK enables our customers in Asia, Europe and North America to design innovative products for the computer, wireless and communications segments and manufacture them at Grace Semiconductor," said Dr. Thomas Neyer, executive vice president of Technology Development at Grace. "By collaborating with Cadence and using the PAS and STEP technology in Virtuoso 6.1, we have enhanced our leadership in providing high-quality PDKs to support customized analog, mixed-signal and RF flows."

The PAS and STEP technologies are used to create and test PDKs which enable the Cadence Virtuoso custom IC design platform, including the IC 6.1 releases of Virtuoso and the Analog Mixed-Signal Methodology Kit. PAS comprises a unique graphical technology editor, verification run-set generators, PCell generators and the DFII library builder. The differentiated technology significantly reduces PDK development time and maintenance costs by capturing and maintaining PDK-related data in a single document, and generating design rules, PCells and DFII libraries from a single source.

"Given the increasing complexity of mixed-signal designs, high-quality PDKs are critical to improving designer productivity, reducing risk and compressing time to market. We are glad to see that through our collaborative efforts, Grace is on the fast track of PDK development," said Lung Chu, president of Cadence Asia Pacific and corporate vice president of Cadence. "Our mutual customers will benefit from the high-quality, fully featured PDKs that Grace can now provide with lower lifecycle cost."

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Inotera Memories Expands Adoption of Magma's YieldManager, Leverages Enhanced Bitmapping Analysis to Maximize Yield of Advanced Memory Devices

30 October 2008

Magma® Design Automation announced that Inotera Memories, a manufacturer of high-density and high-performance DRAM (Dynamic Random Access Memory) products, has adopted Magma's YieldManager® enhanced Bitmapping Analysis module. With these new capabilities, Inotera Memories can maximize yield on its most advanced memory devices to reduce manufacturing costs.

"Through successful execution of productivity improvement programs, Inotera Memories has built a reputation for providing highly cost-efficient mass production in the DRAM industry," said Uwe Lange, program manager of Inotera. "We've been using YieldManager for several years and it has proven to increase engineering productivity by expediting root-cause analysis for yield problems. In light of this success and the dedicated support we've received, we are deploying YieldManager's enhanced

Bitmapping Analysis module in our fabs."

"As a high-volume manufacturer, Inotera Memories has challenging requirements," said Ankush Oberai, vice president of Magma's Fab Analysis Business Unit. "Our close collaboration with Inotera Memories has been mutually beneficial, enabling us to continually improve YieldManager and enabling them to improve productivity and yield. Inotera Memories' decision to expand the use of Magma's YieldManager software and to adopt the Bitmapping Analysis module further strengthens the relationship between the two companies."

YieldManager with Enhanced Bitmapping Analysis: Maximizing Yield, Reducing Manufacturing Costs

YieldManager enables fab yield, defect, test and product engineers to collect, correlate, analyze and share inline metrology, test and fab data. YieldManager combines high-level correlations of disparate data sources with the rapid drill-down of data scope to expedite root-cause identification of yield problems, saving engineering time and focusing resources. It eliminates the need to maintain multiple client-server applications throughout the fab, reducing the cost and complexity of the fab infrastructure by providing a single, robust and industry-proven solution.

With the addition of the enhanced Bitmapping Analysis module, YieldManager now provides comprehensive defect bitmap analysis. It collects and stores a larger, richer set of bitmap data measured at different parameters from different testers. It features a powerful new GUI with many new analysis and charting features, including stacked intensity maps that stack the results of many bitmapped dies, and color codes rows and columns of failures based on frequency. These applications and additional new bitmap analysis features make it easier to identify failed bit patterns, separate nuisance and low priority defects from "killer" defects and pinpoint causes of killer defects, maximizing yield and resources.

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Litwin PEL Selects AVEVA PDMS for UAE Operations

30 October 2008

AVEVA announced that Litwin PEL has selected AVEVA PDMS and AVEVA Global, for use at their new offices in Abu Dhabi, United Arab Emirates.

AVEVA PDMS was selected on the basis of its distributed engineering capabilities provided by AVEVA Global; Litwin UAE will now be able to collaborate extensively on major projects within the Litwin group including working on the latest distributed project involving three execution centres in France, Romania and UAE.

Alain Davadant, Chief Operating Officer Litwin UAE commented:

"The main challenge of this project is to work with several centres on the same units/model in order to increase our global productivity and to reduce the schedule.

Implementation in Litwin UAE was performed within one month, including the purchase of the server and licenses, their implementation and the training of our designers. We had to be ready to be operational and to enter in this project in a four weeks period.

"We expect to increase the productivity of the issue of our deliverables. The main target is to offer high quality output based on a common and shared database especially when involving several and complex units.

"The model reflects exactly what is being performed in the three centres. Automatic updates reflect the constant changes made by the designers. This is a continuous and dynamic process.

"Our first PDMS project encompassed comprehensive engineering service of about 150,000 man-hours including FEED, basic engineering, procurement at the initial stages and construction support. Completion of the new plant is scheduled for December 2008."

The modelling of the complete plant is performed by AVEVA PDMS working across locations in France, Romania, UAE, managed via AVEVA Global.

Louay Dahmash, Vice President of AVEVA Middle East said:

"We are very pleased to have Litwin as a client. AVEVA Global allows multiple locations to share design data which delivers high performance, control and protection from communications limitations or failures. Using AVEVA PDMS Litwin will be able to perform effectively and operate world-wide regardless of geographical location and time zone."

Moai Electronics Accelerates Flash Memory Controller Tapeout with Cadence Logic Synthesis and DFT Solutions

29 October 2008

Cadence Design Systems, Inc. announced Moai Electronics Co., a leading IC design company in Taiwan, has deployed Cadence® Encounter® RTL Compiler and Encounter Test to successfully tape out a flash memory controller with dramatically faster time to market, lower test costs, and higher quality.

The joint use of Encounter RTL Compiler global synthesis and Encounter Test enabled Moai's design team to improve the RTL to ATPG turnaround time from weeks to days. The single flow for logic and DFT synthesis provided greater design optimization, ease of use, and increased productivity. The advanced fault modeling capability and flexible compression strategy provided higher quality while meeting aggressive tester pin-count cost goals.

"With Encounter RTL Compiler and Encounter Test, we are able to reduce test data volume and test application time, and achieve better timing convergence during physical implementation," said P. F. Lin, President of Moai Electronics Co. "This outstanding result enabled increased quality for the end product, which is solid proof of the value of Cadence's highly integrated design and test environment."

"Moai has seen first-hand how Cadence Encounter RTL Compiler and Encounter Test technologies can enhance flash memory controller design," said Lung Chu, president of Asia Pacific for Cadence Design Systems. "We are happy to assist Moai in developing next-generation chip designs and look forward to enabling greater successes with the Cadence digital design solutions."

Encounter RTL Compiler and Encounter Test are key components of the Cadence Logic Design Team Solution and digital implementation user segments. In addition to a complete one-pass global logic-test synthesis flow, the environment provides access to all DFT functionality, including Memory BIST, test point insertion, multiple compression architectures, and sophisticated masking for compression. Other core strengths of this integrated flow are an ultra-fast DFT rule checker with RTL feedback, power-aware scan synthesis and ATPG solution, and physically-aware scan synthesis.

Procter & Gamble Extends Strategic Relationship by Selecting Dassault Systèmes for New Product Development

29 October 2008

Dassault Systèmes (DS) announced that Procter & Gamble Company (P&G) has chosen to implement DS's ENOVIA solution as its enterprise-wide PLM backbone. Building upon its longtime relationship with Dassault Systèmes, P&G will leverage Dassault Systèmes' portfolio to create a global platform to support product development. P&G also uses 3DVIA, SIMULIA, DELMIA and Solidworks solutions from Dassault Systèmes.

P&G will use a common backbone built on Dassault Systèmes' V6 technology integrating existing systems to better manage product, packaging and process information. The Dassault Systèmes platform will save employees time as they research product material. It will also improve accuracy of information and speed up the product development process due to the entire product definition residing in a single view.

"We are very pleased to be growing our partnership with Dassault Systemes. We look forward to working together to create an enterprise-wide solution to support product development" said Michael Telljohann, PLM director, Procter & Gamble. "In an organization as large as ours, with so many brands, products and geographies involved in the design and manufacturing process, PLM enables us to save both time and cost from the bottom line, making P&G a more productive organization and strengthening our innovation capability."

Building on the 16,000 ENOVIA users (12,000 internal and 4,000 external) currently deployed in the Corporate Standards Systems, P&G will implement the ENOVIA Consumer Packaged Goods (CPG) Accelerator™ for Global Specification Management to better manage products spanning multiple brands and markets. This approach will reduce the number of regulatory compliance systems, lower raw material costs, reduce cycle times and enable lower cost labor centers.

"As a company that has always embraced the spirit of innovation, P&G understands the value of PLM collaborative innovation and lifelike experience to reduce cost and time-to-market," said Bernard Charlès, president & CEO, Dassault Systèmes. "P&G's vision to implement company-wide PLM for a single source of product data and processes, from specifications to compliancy, sets the stage for its own industry as well as others such as Life Science and Apparel."

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Siemens PLM Software's Teamcenter and Solid Edge Software Named Standard Technology for Van Oord

28 October 2008

Siemens PLM Software announced that Van Oord Dredging and Marine Contractors B.V., a marine contractor that works on worldwide dredge and water hydraulic projects, has standardized on Solid Edge® software and Teamcenter® Express software for its digital design and product data management respectively.

Solid Edge with synchronous technology is the core CAD component of the Velocity Series™ portfolio and incorporates Siemens PLM Software's new history-free, feature-based design technology. Teamcenter Express is the collaborative product data management (cPDM) component of the Velocity Series.

Van Oord uses Solid Edge 3D CAD system and Teamcenter Express PDM solution in its new shipbuilding division. These solutions enable automated engineering of specific parts for dredging installations. Van Oord will use Siemens PLM Software's solutions to optimize the control of its product designs and speed the execution of modifications. Bosch Engineering B.V., a Siemens PLM Software Velocity Series reseller, will manage the implementation of the solutions for Van Oord.

"Siemens PLM Software's Velocity Series products provide rapidly deployable, preconfigured PLM solutions that are based on industry best practices to help our global organization innovate faster," said Peter Bunschoten, manager, Technical Department at Van Oord. "Siemens PLM Software's solutions mean an improvement in the technical control of our ships. Teamcenter Express and Solid Edge provide the mechanical engineering solutions which allow Van Oord to effectively collaborate with our suppliers and customers."

This is the second major Siemens PLM Software Velocity Series win in the dredging industry. Earlier this year the company announced an agreement with shipbuilder IHC Merwede B.V., another global provider of specialized dredging material and complex, custom-built offshore ships (see related release).

"This means that Siemens PLM Software Velocity Series is perfectly fit to fulfil the digital design needs in this industry", says Edwin Severijn, vice president and managing director, Siemens PLM Software, Benelux. "We are proud to help two of the most renowned Dutch dredging firms improve and facilitate their shipbuilding processes."

About Van Oord

Van Oord works worldwide to build tomorrow's infrastructure. Dredging, offshore services, coast hydraulic engineering, constructive hydraulic engineering and dry infrastructure are its main activities. Worldwide 4,000 people are active in more than 26 countries. Van Oord has the disposal of a great and modern fleet, which becomes expanded on a large scale at the moment. The challenges of climate changes, the worldwide growth of the transportation of goods and the growing need for oil and gas make sure that Van Oord can strengthen its leading position in hydraulic engineering.

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Synopsys DFT MAX Compression Achieves Mainstream Usage at 90 Nanometers and Below

28 October 2008

Synopsys, Inc. announced that Synopsys' DFT MAX compression product has been successfully deployed at more than one hundred semiconductors companies from all industry segments to substantially reduce the cost of testing digital integrated circuits (ICs). Customers who have selected DFT MAX compression as their preferred solution include: Aquantia, Dongbu Hitek, Exar Corporation, Frontier Silicon Ltd., Imagination Technologies, Integrated Device Technology, Inc., ITT Corporation, LG Electronics, Manthan Semiconductors Pvt. Ltd., Nuvoton Technology Corporation, NVIDIA Corporation, Realtek, Renesas Technology Corp., Samsung, Toshiba Corporation, and TranSwitch Corporation. These and other IC design organizations worldwide have adopted DFT MAX compression to reduce both test time and test data volume up to 100X because it is as easy and predictable to implement as standard scan without impacting downstream physical design flows.

Designs at 90 nanometers (nm) and below are more susceptible to yield loss due to excessive power consumption during IC testing. Preventing this loss using manual techniques is error-prone and adversely affects designer productivity. Advanced power-aware capabilities in both DFT MAX

compression and Synopsys' TetraMAX® automatic test pattern generator (ATPG) reduce power consumption during test with minimal impact on design metrics, schedules and test costs. Moreover, as part of Synopsys' Eclypse™ Low Power Solution, DFT MAX compression and TetraMAX ATPG are fully compatible with advanced low-power design methodologies and automatically preserve the designer's power intent.

DFT MAX compression is much less intrusive on design flows and design performance than alternative solutions. Fragmented, bolt-on flows requiring separate design synthesis and scan compression insertion steps break critical timing, add routing congestion and necessitate subsequent reoptimization. In contrast, DFT MAX compression is integrated with the Galaxy™ Implementation Platform, including the Design Compiler® RTL synthesis, IC Compiler physical implementation and PrimeTime® static timing analysis solutions to help eliminate costly, time-consuming design iterations between synthesis and physical implementation.

"The success of DFT MAX compression stems from Synopsys' vision of design-for-test being an integral part of the Galaxy Implementation Platform flow for RTL-to-GDSII," said Antun Domic, senior vice president and general manager of Synopsys' Implementation Group. "Because DFT MAX compression is easy to use and has minimal impact on design timing, area and power, it provides our customers a fast and cost-effective path to high-quality manufacturing tests and working silicon."

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Trubiquity Announces Q3 Customer Wins

30 October 2008

Trubiquity ended the third quarter of 2008 with sales to global manufacturers and suppliers. Key opportunities were closed across multiple Trubiquity product lines, customers, and geographic locations.

"Trubiquity had some great customer wins in the third quarter. These results reflect the importance of our software solutions as companies seek opportunities for process efficiency, cost reduction, security compliance, and innovation within today's challenging environment. We see our business growing globally and we believe that this trend will continue into Q4 and 2009," stated Martyn Davies, Trubiquity's Vice President of Global Sales.

Two global automotive OEMs selected TRUfusion solutions for data exchange process automation and management. A U.K.-based manufacturer chose to integrate the software product with Siemens PLM's Teamcenter software solution for product lifecycle management (PLM), multiple computer-aided design (CAD) packages and third party data translators. An Asian OEM selected TRUfusion Portal (formerly Fusion-DMZ) to enable secure and efficient data exchange with new low cost country suppliers via an intuitive web-based interface.

Multiple global automotive suppliers chose Trubiquity's TRUfusion solutions to enable the secure transfer of large, structured CAD files directly from the user interface of their PLM systems. One of these companies, a tier one supplier based in North America, chose to integrate TRUfusion with the TRUexchange and Odette File Transfer Protocol (OFTP) communication standards. This integration enables compliance with the data exchange requirements of several North American and European based OEMs. Another major supplier with a business unit in the U.K. chose TRUfusion Connect to enable communication across all industry standard data exchange protocols and leverage file type recognition and CAD browsing capabilities, especially for CATIA V5 and NX.

Additionally, a major developer and distributor of wiring systems for the automotive industry selected TRUexchange and Trubiquity's hosted collaboration product, TRUunity. These solutions will offer improved data exchange and project management capabilities between the manufacturer and selected business partners.

Based in Rochester Hills, with European headquarters in Germany and the U.K, Trubiquity (formerly known as Autoweb) is a leading provider of business process automation and global data exchange software for manufacturing, finance, consumer goods and retail organizations. The company provides a single, software-as-a-service-based business process network connecting enterprises across all global communication protocols and standards. Trubiquity's solutions can be accessed all the time, everywhere around the globe.

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Zlomrex Implements IFS Applications in Companies Belonging to the Group

23 October 2008

Zlomrex Group has successfully implemented IFS Applications. The system is already in operation in eight leading companies of the Group, whose combined revenues represent approx. 50% of the consolidated Group results: Zlomrex S.A. and Zlomrex Metal, Walcownia Bruzdowa (Shape Mill), Ferrostal Labedy, Huta Stali Jakosciowych (Quality Steelworks), Odlewnia Metali Szopienice (Metal Foundry) and in Centrostal Górnoslaski. There are currently 700 IFS Applications users in total.

The solution implemented at Zlomrex Group includes the following modules: IFS Financials, IFS Distribution, IFS Manufacturing, IFS Maintenance, IFS Human Resources, and IFS Payroll.

Currently, the implementation of IFS Applications is taking place in the distribution division of the Group. In the future, the distribution part of Voestalpine—the Austrian company that became part of Zlomrex Group in 2007—will also consider implementing the system.

'Our position in the Polish and European markets is very strong today. However, we are making every effort to improve it,' said Przemyslaw Sztuczkowski, President of the Board of Zlomrex S.A. 'Implementation of an ERP system became necessary after we made acquisitions of a number of new companies. The solution provided by IFS will strengthen the competitiveness of our company and integrate all its business processes.'

Zlomrex Group operates in three main areas—raw materials, manufacturing and distribution. IFS Applications is expected to integrate every part of the business' operations.

'We selected IFS Applications because of IFS' strong references in the metallurgical sector. Our cooperation with IFS has been very effective. There is still plenty of work ahead of us, but we appreciate what we have already achieved. We are looking forward to the future and planning new implementations in other companies within the Group,' says Dominik Barszcz, Chief Accountant at Zlomrex S.A., in charge of implementing IT projects in the whole Group.

Important benefits of the implementation of IFS Applications include

• integration of raw material, manufacturing, and distribution business operations,

• improved processes for document flow and processing,

• cohesion of data in all companies belonging to the Group,

• improved maintenance, repair, and overhaul management,

• allocation of responsibilities for individual processes in a geographically scattered organizational structure.

'IFS Applications is characterized by flexibility and rich functionality. These qualities are appreciated by companies and capital groups that are developing dynamically on the Polish market. We are happy that Zlomrex Group, a leading player in the metallurgical and metal industry sector in Poland, is using our system.' says Marcin Taranek, CEO of IFS Poland.

About Zlomrex

ZLOMREX was established in 1990 as a sole entrepreneur firm. The business activity was organized from scratch and initially it only included small-scale trade with scrap metals. As the firm was systematically developed, the range and scale of its activities were extended. Nowadays it operates as a joint-stock company and is the leader of a group comprising production facilities and distribution centers. In terms of operating results, ZLOMREX S.A. is ranked within the second hundred of the largest Polish companies. It is the largest supplier of steel scrap and non-ferrous metals scrap in Poland, but also one of the leading producers and distributors of metallurgic products.

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Product News

Agilent Technologies' EMPro 3D Electromagnetic Design Platform Reduces Design Time

28 October 2008

Agilent Technologies Inc. introduced Electromagnetic Professional (EMPro), a new design platform for analyzing the electromagnetic (EM) effects of RF and microwave components such as high-speed IC packages, antennas, on-chip embedded passives and PCB interconnects. The software features the most modern design, simulation and analysis environment, highest-capacity simulation technology. It integrates with the RF and microwave circuit design environment, Agilent's Advanced Design System (ADS), for fast and efficient RF and microwave circuit design.

"The EMPro platform was developed from the ground up, incorporating the industry's best proven architecture, user interface and simulation technologies," said Erwin DeBaetselier, product marketing manager with Agilent's EEsof EDA division. "EMPro's architectural advantages relieve designers of time spent setting up, simulating and post processing results, leaving more time for innovation and creating the best designs."

Key features of EMPro's environment include:

*efficient, time-saving design entry through the 3D drawing environment, importing of 3D CAD data files or integration with ADS;

*intelligent "one-time" materials assignment, allowing designers to "set it and forget it" for subsequent data file imports;

*interactive 3D editing, minimizing back-and-forth mouse movements to menu options and dialog boxes;

*parameterization of 3D objects, eliminating rework and providing additional time savings;

*fast, highest-capacity 3D EM simulation and post-processing technology, resulting in demonstrated dramatic simulation speed-up over other EM point tools;

*dynamic, real-time plot updating during simulation, providing early insight and avoiding surprises that can surface only after the final results are available;

Linux and Windows™ support, allowing designers to run EMPro on their operating system of choice; and worldwide, local language technical and applications support from Agilent.

EMPro's key features offer significant advantages over the industry's current 3D EM point tools such as Ansoft HFSS and CST Microwave Studio. EMPro also sets itself apart from EM point tools through its integration with the RF and microwave circuit design environment, Agilent's ADS. ADS RF designers can import EMPro parameterized 3D components such as connectors, solder connections, package lead-frames or any custom component for EM simulation and optimization in ADS. This capability enables simulation of a complete family of structures in one step. Because the parameterized 3D component is created one time and is designed to integrate with both EMPro and ADS, the manual, error-prone links between today's stand-alone 3D EM point tools and ADS are eliminated, resulting in faster design and better accuracy.

Additionally, ADS circuit designers can export layout files from ADS and import them EMPro to accurately model 3D effects (for example, the radiation pattern of a planar antenna molded around the curved surface of a wireless appliance).

U.S. Pricing and Availability

Agilent EMPro is expected to be available in November 2008, with prices starting at approximately $50,000.

For more information about EMPro, visit www.agilent.com/find/eesof-empro. To request a demo of EMPro, visit www.agilent.com/find/eesof-empro-demo.

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COADE Releases CADWorx fieldPipe for CloudWorx, for Producing Intelligent, Specification-Driven Models from Laser Scans of Piping Systems

27 October 2008

COADE announced the release of CADWorx fieldPipe for CloudWorx, a tool that allows one to quickly and easily build an intelligent, specification-driven model using point cloud data from laser scan information. It does this in conjunction with Leica CloudWorx by reading point cloud scans and bringing them into the CADWorx fieldPipe model. Once the point cloud is opened in COADE's CADWorx fieldPipe, the program calculates the center and diameter of the pipe run by selecting just one point on the surface of a pipe cylinder. Once all parameters are set, the user can accurately place piping components using the point cloud data in the model.

CADWorx fieldPipe for CloudWorx saves time for the designer and engineer by eliminating the tedious process of building an unintelligent solid model by tracing over laser scans. Because there may still be a requirement to produce deliverables from these models, these deliverables typically need to be created using an alternative system that cannot extract intelligent information from these models. With CADWorx fieldPipe for CloudWorx, these deliverables, such as clash-free models, isometrics and bills of material, can be extracted directly from the model with no further modeling.

The CADWorx Plant Design Suite for process plant design offers intelligent drawing to database connectivity, advanced levels of design automation and easy-to-use design tools. Because of these distinct advantages, it has been adopted by EPC firms and owner operators in the process, power, water treatment, pharmaceutical, food and beverage and semiconductor industries. CADWorx also offers the industry's first and only true bi-directional links between CAD and engineering analysis tools, linking CADWorx with COADE's software programs for pipe (CAESAR II) and pressure vessel and heat exchanger (PV Elite) analysis and design. Information on COADE and all its products is at http://www.coade.com.

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Delcam Launches World's First Tribrid Modelling Design Software

31 October 2008

Delcam will launch later this year a new version of its CopyCAD reverse engineering package. CopyCAD Pro will be the first product development system to offer "Tribrid Modelling", by adding triangle modelling to the combination of surface and solid modelling that is currently offered in many existing CAD packages as "hybrid modelling". The extended range of functionality is ideal for the re-engineering of existing products into improved or bespoke designs.

"Tribrid Modelling offers a better way of working for all companies developing new variants from existing designs, especially those making products that need to be personalised for a particular customer," claimed Delcam's CAD Product Marketing Manager, Chris Lawrie. "The combination of solid modelling, surface modelling and triangle modelling provides a unique design system for these companies. Having all the different modelling techniques in a single package reduces the need to transfer data between multiple programs and so streamlines the whole product development process."

"Most existing reverse engineering software is limited to capturing data and creating duplicates," claimed Mr. Lawrie. "This means that most companies then have to use a separate CAD system to re-engineer the existing design to produce an improved product or to generate a customised item for an individual consumer. By combining all three modelling techniques in CopyCAD Pro, we can offer a complete re-engineering package in a single program. This allows companies to develop new variants on existing designs in a much more efficient way."

Delcam has developed this design approach through the integration of its PowerSHAPE surface and solid modelling functionality with the reverse engineering and triangle modelling options that were in earlier versions of CopyCAD. This means that designers can move data captured with reverse engineering into the design environment more easily and so incorporate additional features into any reverse-engineered design more quickly. However, the new combination is not just a simple bolting together of existing functionality. It incorporates a wide range of enhancements to many of the key operations.

For example, major improvements have been made to the sculpting and model repair tools previously available in CopyCAD to edit triangle files. These tools allow high-quality models to be produced from poor quality reverse engineering data, or from damaged or defective physical components. For example, uneven surfaces can be smoothed out, gaps in the data can be filled and extra points can be added in areas where only sparse data has been collected.

Most importantly, the availability of functionality from PowerSHAPE in CopyCAD Pro has enabled easier, faster and more accurate creation of CAD surfaces from triangle data. The user still retains total

control over the way the complete data set is divided into the component features and surfaces. However, each area can now be converted into CAD data by generating a network of curves and then projecting it onto the mesh of triangles. A single surface is generated within the complete set of curves using the Smart Surfacing functionality from PowerSHAPE. This automatically analyses the curves and determines to most appropriate way to create the surface.

Analysis tools are available in Copy CAD Pro to display the differences between the triangle mesh and the resulting surface. This might show, for example, that a closer spacing between the curves would be needed in some areas of the model to keep the surfaces within the required tolerance.

The other key benefit of the integration into CopyCAD Pro of modelling options from PowerSHAPE is the ability to create "perfect" geometry, in areas where any reverse engineering system would give only approximate results. For example, the design might include one extruded surface, which could only be described by a series of individual surfaces in traditional reverse-engineering software. With the added modelling tools, it is easy in CopyCAD Pro to reproduce the original design intent, by replacing the required area with a single surface. Similarly, a reverse-engineered fillet area can be replaced with a consistent, smooth fillet, rather than existing as a set of complex, free-form patches that may have varying radii.

Tribrid Modelling also allows Boolean operations to be carried out between triangle models and either surfaces or solids. For many years, PowerSHAPE has been one of very few CAD systems able to perform Boolean operations between solids and surfaces. The ability to perform similar addition, subtraction and merge operations with triangles as well will make CopyCAD Pro even more flexible.

There are many examples where a combination of different techniques is needed to create a complete design. A typical example would be in the plastics industry, where initial hand-modelled prototypes are often produced in solid material. Reverse engineering from such models will only produce the external surfaces of the component. However, by using CopyCAD Pro, these surfaces can be offset by the material thickness to generate the internal surfaces. Extra geometric features, such as reinforcing ribs and bosses for fixing, can then be added with the extra solid modelling tools from PowerSHAPE to complete the design. The finished model can then be subtracted from a solid block to give the core and cavity shapes needed to mould the product.

Delcam's introduction of Tribrid Modelling provides the optimum software solution for the mass customisation of designs. Consumers are increasingly moving away from mass-produced products. This can be either because they want designs that are more individual or because they want an element of bespoke design, for example, for medical reasons or for increased comfort. This can only be achieved by incorporating reverse engineering alongside computer-based design methods.

Tribrid Modelling in CopyCAD Pro allows users to build up CAD models with data from different sources. It makes it easy to design the main outline of a product with CAD but to use hand models for complex details or decoration, or to capture specific data from a customer or patient. The extra data required can then be collected with a scanning device and combined with the main CAD model in the computer.

A similar approach can be taken when developing "new" parts that are, in fact, variations on existing components that were developed without CAD data. It is often quicker to digitise the existing part and limit the CAD work to the desired modifications, instead of completely recreating the whole part with CAD. This approach is particularly useful for companies, for example those in the ceramics industry, which update historic designs into modern reproductions.

GibbsCAM 2009 Shipping to Customers

28 October 2008

Gibbs and Associates announced today that it has started shipping the GibbsCAM 2009 to customers. Initial feedback from customers who have already received the software are very positive.

"This is one of our most significant releases, with new features and many enhancements for the entire GibbsCAM product line," explains Bill Gibbs, founder and president of Gibbs and Associates. "We continually recognize that ease-of-use is of paramount importance to programmers and machinists," he adds. "This release further decreases programming effort for all machine-tool configurations, and provides additional tools for our customers to easily achieve incremental gains in productivity."

Features most applauded by early users of GibbsCAM 2009 generally fall into the categories of Milling, Turning, User Interface and Productivity, and Interoperability:

Milling Additions and Enhancements

Advanced 3D HSM (High Speed Machining) – These machining methods, specifically developed for multi-surface hard milling and high speed machining in SolidSurfacer®, provide high quality surface finishes to reduce or eliminate polishing. Included are several new routines useful for multiple applications. The various machining styles offer smooth entries, exits and cutting motions, with steep or shallow angle limits, rest passes, tool-holder collision checking, and options to change cutting style.

• ***Contour*** – Developed for finishing and semi-finishing passes, this routine computes equal increments in Z, and generates toolpaths at the various levels, automatically providing clean transitions from one level to the next with smooth entries and exits.

• ***Constant Step Over Cut*** – Through user-specified step distance, this routine generates 3D passes with constant separation along a part's surface, working from the outside in. At user discretion, this machining style permits extremely smooth finishes through user-controlled steps.

• ***Flats Cut*** – This routine recognizes and machines flat areas automatically. Like the other 3D HSM routines, it uses minimal distance retraction in moving from one section of a work piece to another, avoiding work piece features while minimizing non-cutting motion.

• ***Lace Cut*** – Like parallel machining, but cutting in a single direction, this style provides consistently smoother cuts, especially noticeable in corners. By using the toolpath filleting option, also available within other HSM routines, users optimize smoothness in cutting motion.

• ***Intersections*** – This routine automatically identifies the seams of a part surface and generates toolpath along those seams, following and conforming to the 3D shape of the part. A superior surface finish is attained through additional offset passes generated from the original seam pass.

• ***Automatic Core Detection*** – Designed for machining cores, this automated routine machines parts from the outside in, always climb cutting to reduce or eliminate damage to inserted cutters. Toolpath direction changes automatically from inside to outside when internal pockets are detected, minimizing the need for full-width cuts or helical ramping into the work.

• ***Improved Pocketing*** – Like Automatic Core Detection, but working from the center outward, this routine was specially developed for cavities. It computes equal Z increments on the model and generates

toolpaths for each level, to clear large areas of material rapidly.

Other Milling Enhancements – Ramp and Helix entries for contour milling and Tool Edge Path provide better surface finishes, while support for lollipop cutters adds flexibility.

Turning Additions and Enhancements

Extensive New Lathe Features – Developed to take advantage of the newer high-tech cutting tools, to turn harder materials and to machine smoother surfaces, these provide greater efficiency through increased tool control. Included are advanced entries and exits, entry feed rates, enhanced no-drag, clean-up pass, multi-pass plunge roughing, notch ramp roughing, offset contour and tool edge path contour, threading entry and tapping tools, and groove-tool deflection compensation.

MTM Enhancements to Sync Manager – Flexibility from new additions to Sync Mgr and Op List and new Op Mgr associativity make multi-task machining easier and more efficient.

User Interface and Productivity Enhancements

Multi-CPU Support and Batch Processing – This allows users to continue working while they generate high-speed, or multi-surface machining and other large toolpaths in the background, without tying up the workstation.

Faster Simulation – Performance enhancements make toolpath simulation much faster.

Multiple View Ports, Panes and Pop-up Windows – These enable viewing tool and cutter motion from various perspectives, extremely useful for gouge detection and collision avoidance in multi-task machining and multi-axis verification.

Multiple (unlimited) Undo/Redo – Applicable to all user created geometry, solids, surfaces and operations, this added capability increases user productivity by eliminating iteration when returning to a previous condition is necessary.

Graphics Pre-Selection – Simple mouse roll-overs now select faces and edges, eliminating the need to click on items to select them.

Enhancements for Cut Part Rendering – Visualization and verification are made faster and easier with new hot key for single step, Tool/Op color mode, geometry display, point-of-view lock, Show Rapid tool color, and FastCut display.

Hidden-Line Toolpath Display – This new feature eases visualization in toolpath verification.

Additions for Interoperability

Updated Certification – For flexibility and peace of mind, the software is now certified for Windows Vista and Solid Edge v20.

Multiple CAD System Support – Continuing the ease of using models and geometry from multiple systems, GibbsCAM support extends to Parasolid v19.1, SolidWorks 2008, ACIS v18.0, Autodesk Inventor 2009, CATIA v5 r18, Granite 5.0, Pro/ENGINEER Wildfire v4.01 and UGS/NX5.

Initial shipments of GibbsCAM 2009 will go to customers in the United States and Canada, followed by shipments to international customers who use English documentation. International shipments of GibbsCAM 2009, with localized documentation, are scheduled for later in the year.

For more information about GibbsCAM and the GibbsCAM 2009 release, or to locate your local GibbsCAM reseller, go to http://www.GibbsCAM.com, call 1-800-654-9399, or email

info@GibbsCAM.com.

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Hanley Releases MultiSurface Aerodynamics 3.1

27 October 2008

Hanley Innovations announced the availability of MultiSurface Aerodynamics **Version 3.1**. MultiSurface Aerodynamics 3.1 is a Windows based software package for rapid aerodynamics conceptual and preliminary analysis and design of wings and other lifting surfaces.

The new features include:

A quasi-steady rate of roll about a point in the y-z plane. This feature makes it possible to compute moments due to roll. It also computes adverse yaw which can allow users to predict the range of rudder movements to offset these moments. It can also use it (in an iteratively manner) to compute the roll rate due to an aileron deflection (for example).

A line vortex at a given location. The position and strength of the vortex (user defined) allows users to study the effects of wakes on their models.

Surface normal movement. Users can prescribe a normal velocity at the tips of any given surface. A possible application is to simulate plunge. In a quasi- steady world, the user can work out the propulsion force due to the plunging motion of a hydrofoil or the flapping motion of a bird's (pteradon) wing.

Ten levels of Undo. This allows users to quickly erase unintentional errors and to start over from the last "good' revision.

Multiple levels of redo. This allows users to return to what just a second ago seemed like a mistake.

EZSnap allows the user to join surfaces (tip- to-tip) from the interactive editor. Just click on EZSnap button, click on the surface that you wish to move and then click on the destinate surface. Click here to watch the EZSnap demo.

MultiSurface Aerodynamics 3.1 includes a built-in airfoil editor that allow users to read-in airfoil drawings in the .dxf format. It also has a three-dimensional trajectory tool for flight calculations.

The trajectory tool can be used for the following calculations:

- Climb/descent from one altitude to the next as a functions of time
- Time/distance covered during turning from one heading to the next.
- Estimation of takeoff distance
- Set-up "what if" scenarios for feasibility studies
- Rapidly study the merits of competing designs

More information about MultiSurface Aerodynamics is available at the following URL: http://www.hanleyinnovations.com/multisurface.

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IBM Unveils Software to Help Clients Manage Content, Process and Compliance

27 October 2008

IBM announced new Enterprise Content Management (ECM) solutions that are designed to help organizations achieve greater business agility and workplace effectiveness. Recognizing the need for more nimble, adaptable technology, IBM's agile ECM portfolio provides improved flexibility to help business users respond faster to changing business requirements. The new solutions will allow customers to optimize content-based operational and compliance processes.

Unifying content, process and compliance capabilities in a new composite application framework, IBM's agile ECM enables clients to solve increasingly complex business problems. Using a flexible, services-oriented environment, clients can now deploy solution applications within days instead of months. With this new offering, IBM is helping clients accelerate time-to-value, improving end-user accessibility and allowing business professionals to optimize their content-based processes.

Further, IBM's agile ECM portfolio helps clients realize IBM's Information On Demand vision. It makes it easier for business users to connect content in the context of their business processes and leverage that information to facilitate business optimization.

"Organizations need information to innovate and optimize their businesses, but many struggle with how to manage all the information that they have," said Ken Bisconti, vice president, products and strategy, IBM Enterprise Content Management. "IBM's focus on agility with ECM software helps clients address many important challenges, such as how to globally integrate solutions with immense volumes of information and optimize their processes while managing regulatory requirements."

For example, construction field personnel have frequent interaction with multiple contractors, inspecting their work and documenting their progress on various projects. Many documents are necessary for the accurate record keeping and reporting of all construction activity. Information captured on paper forms, which are then filed in a project book or transcribed into an online data storage system, can be flawed by delays in data entry, damaged paper forms and errors during transcription. With an agile, end-to-end ECM business process, these documents can be digitally authored and managed and contextual information, such as maps and equipment inventory, can now be electronically delivered to the contractors in the field instantly, improving speed, reducing errors as well as reducing overall project costs.

IBM Agile ECM Software Portfolio

The volume of information, the number of different information types and the multi-channel communications world an organization deals with continue to grow dramatically. With globalization and changing market conditions, organizations need to access information instantly. Utilizing an IBM service-oriented architecture (SOA) approach, IBM's agile ECM portfolio is designed to address these growing market needs.

Key enhancements in IBM ECM portfolio include:

IBM FileNet P8 4.5 is a unified ECM platform that combines content with Business Process Management (BPM) and compliance capabilities. FileNet P8 4.5 has been significantly enhanced across all of its core modules. Highlights include:

• **IBM FileNet Business Process Manager 4.5** is a comprehensive, enterprise-class offering for managing content-centric business processes. It supports business user-oriented and standards-based process modeling and simulation, promotes business user and IT collaboration, and provides tools for

agile ECM application development, utilizing Smart SOA and Web 2.0 technologies such as mashups. This new offering enables users to launch FileNet BPM processes for content in multiple repositories including IBM Content Manager 8 (CM8). This seamless integration to IBM CM8 allows a FileNet BPM process to make changes to IBM CM8 content thru IBM CM8-specific content operations.

• **IBM FileNet Content Manager 4.5** is designed to provide clients with a scalable, single content catalog that embeds IBM's content-centric BPM and compliance capabilities into an ECM platform operating on content in multiple repositories. The enhanced FileNet Content Manager enables intuitive integration with Lotus Quickr, Microsoft Office 2007, and Microsoft SharePoint, allowing users choice while interacting with and benefiting from ECM capabilities. FileNet Content Manager has also implemented a component-based content model leveraging the DITA XML standard, now broadly adopted in the industry for advanced document management applications. DITA supports agility through the reuse of document components in support of diverse authoring and publishing requirements.

• **IBM Content Manager 8.4.1** manages all types of digitized content across multiple platforms, databases and applications. The new offering provides active content capabilities which allow content in CM8 to participate in IBM FileNet BPM 4.5 processes. Additionally CM8.4.1 has been enhanced to support collaborative content management through integration with Lotus Quickr and includes new Web Interface (WEBi) enhancements that support Web 2.0 style interaction.

• **IBM Content Manager on Demand (CMOD) 8.4.1** provides advanced enterprise report management. The latest CMOD offering includes integration to IBM FileNet P8 for federated Records Management and BPM applications.

In addition, the new IBM ECM products use the same technology as IBM's recently released compliance and discovery offerings:

• **The IBM Content Collection and Archiving** family is based on a modular, extensible architecture that helps enable organizations to take back control and unlock business value of content, while enforcing compliance and operational policies.

• **IBM's records management** offerings are a prescriptive set of deployment and management practices, tools and best practices to eliminate deployment complexity, mitigate risks associated with lack of best practices and industry skill and knowledge shortages.

• **IBM's eDiscovery** products help clients take the cost out of electronic discovery management. The offerings provide an integrated, in-house approach that helps control stored information and litigation response across the enterprise.

• **IBM FileNet P8** integration with IBM Content Analyzer enables organizations to increase the return on their enterprise content investment by analyzing unstructured content together with structured data to gain valuable, even business-changing insight from all information.

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LEDAS Opens Up Parametric Modeling for Google SketchUp Users

30 October 2008

LEDAS Ltd. released the first free application for variational direct modeling in Google SketchUp. Driving Dimensions plug-in gives Google SketchUp users a combination of wide capabilities with an easy-to-use tool for parametric editing of 3D models.

"Google SketchUp is a popular free program for 3D modeling, used by both professionals and amateurs", says Dmitry Ushakov, Director, Product Management & Marketing, LEDAS. "Until now, however, its users could not parametrically modify constructed models. Adjusting dimensions for the required values by direct editing of a model is a very labor-intensive process, which can take hours to complete. With our module, driving dimensions of a geometric element with desired values are set by a click of a mouse. Model geometry will be changed automatically to simultaneously satisfy all given driving dimensions".

The first version of Driving Dimensions sets two kinds of driving dimensions: the length of an edge and the radius of a circle (an arc). With these tools SketchUp users can:

• Increase efficiency of 3D modeling: simply define the required driving dimensions of the model elements at the time of construction, and the model will be redesigned automatically to satisfy the new requirements

• Control dimensions at the time of editing: to satisfy all previously defined driving dimensions following any number of geometry editing operations, it suffice to call the recalculate command

• Create families of parametric models: it is enough to open the file of a model with driving dimensions and input a new value for a single or several dimensions, and the model will be automatically recalculated in accord with the changes

• Easily modify alien models: created by other users or imported to SketchUp from other programs, by simply specifying driving dimensions for their elements.

In the subsequent versions, LEDAS plans to expand the current set of driving dimensions, adding the tools for setting driving distances and angles, geometric constraints (such as parallelism and perpendicularity), dynamic satisfactions of constraints when moving model elements and other capabilities brought to the users by the new technology of variational direct modeling. LEDAS intends to develop similar applications for other popular 3D modeling programs.

Driving Dimensions is a plug-in operating directly in the Google SketchUp environment. Its release is part of the LEDAS strategy, announced two weeks ago, for launching the new technology of variational direct modeling. This is a technology for smart parametric modification – preserving the logic, directly or indirectly put in the original model. To this purpose, it uses geometric and dimensional constraints, which are automatically generated in accord with the topology or geometry of a boundary model, features or are manually set by a user. The constraints and dimensions are satisfied preserving the design intent. More information about the new technology can be found in the White Paper "Variational Direct Modeling: How To Keep Design Intent In History-Free CAD" freely available at http://www.ledas.com/group/white_papers/.

Driving Dimensions is based on the LGS 3D variational geometric solver, which solves the systems with thousands simultaneous constraints in the real-time mode. The solver, developed by LEDAS, is used in several commercial CAD systems and is available for licensing for developers. The solver can be successfully integrated with all geometric kernels, available on the market, and serves as a basis for implementing the new technology of variational direct modeling. For information about the LGS 3D variational geometric solver please go to http://www.ledas.com/products/lgs3d/.

Driving Dimensions is compatible with Google SketchUp 6 and Google SketchUp Pro 6 running on Windows 2000/XP/Vista. The application can be downloaded freely from http://www.DrivingDimensions.com. On the site you can also find detailed information, view training

video clips, learn about the latest versions and use the site forum for communicating with other users and developers.

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Mastercam Mill X3 Makes Current Processes More Efficient and Automated

October 2008

Mastercam X3 Mill offers expanded machining flexibility and an increased emphasis on speed and automation. Feature Based Machining, new high speed tool motion, and faster toolpath generation combine with dozens of additional new enhancements in a package intended to improve shop floor productivity.

Here are some of the most significant highlights and new functionality in Mastercam X3 Mill:

Feature Based Machining (FBM) – Almost every shop deals with solid models, and Mastercam delivers a powerful way to automatically mill and drill these parts. FBM evaluates a part's features and automatically designs an effective machining strategy. FBM can detect solid machining features for pocketing, contouring, and drilling routines. FBM will machine pockets using new 2D HST roughing, rest mill, and finish operations; automatically create drilled, tapped, counterbore, and countersink holes; automatically perform spot drilling and pre-drilling based on user controlled settings; and much more. And all toolpaths are fully associative and editable after creation.

2D High Speed Toolpaths – The success of Mastercam's 3D high speed toolpaths leads to new high speed machining expressly for 2D machining. Although optimized for high speed cutting and hard milling, these new 2D toolpaths offer many additional benefits including superior finish and longer tool life. These new toolpaths can make your processes more efficient and automated, while minimizing programming and cycle times.

Enhanced Multiaxis Functions – Mastercam X3 improves multiaxis toolpath speed and introduces new High Speed Toolpath controls that make programming more efficient. Both the Port5ax and Flow5ax toolpaths include a new feature that allows an overlap/blend to be added at the beginning and end of a toolpath.

Mastercam in SolidWorks – This new X3 package brings the most popular Mastercam toolpaths directly into SolidWorks. Designers who work with the world's leading CAD system can now program those parts with the world's leading CAM toolpaths in the same interface. Mastercam in SolidWorks includes a suite of cutting strategies, including Feature Based Machining, high speed machining, and a set of automated cleanup toolpaths. This package will be released shortly after Mastercam X3.

Other new enhancements include:

- Import full SolidWorks history trees

- Expanded support for cutting STL files

- CAD enhancements

- 3D high speed toolpath enhancements

- …and many more

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Mentor Graphics Announces Nucleus Platform Media Player for Rapid Delivery of Multimedia Applications

27 October 2008

Mentor Graphics Corporation announced availability of the Nucleus® Platform Media Player, a multimedia application reference design which enables the rapid development of differentiated multimedia devices such as portable media players (PMP), personal navigation devices (PND), mobile internet devices (MID), mobile phones, digital picture frames and in-car entertainment systems. Based on the Nucleus Operating System (OS), a powerful user interface (UI) engine, and a full complement of development tools, this customizable reference platform accelerates multimedia product development while minimizing memory footprint and development costs.

"In the fiercely competitive multimedia markets, device manufacturers must stay focused on innovation to differentiate their products," said Neil Henderson, general manager, Embedded Systems Division, Mentor Graphics. "Responding to the maturing multimedia market needs, Mentor's single-vendor reference platform enables developers to more quickly implement core functionality, giving them more time to focus on delivering innovative and compelling multimedia devices."

The Nucleus Platform Media Player reference design exploits Nucleus OS services such as kernel, USB, file system, database, and user interface (UI) to enable the efficient storage, retrieval, playback, browsing and transfer of multimedia content. A complementary suite of development tools – which includes a compiler, on-host simulation environment and on-target debugger – serves to accelerate the process of going from reference design to end product. A fully integrated drag and drop UI design environment ensures that the end product is not only functional but also visually appealing, enabling advanced interface designs – including 3D effects such as fading, twisting and zooming – to be created and tested within hours. The Nucleus Platform Media Player employs an OpenMAX™ compliant multimedia framework to facilitate the rapid integration of third-party multimedia components such as codecs.

Mentor has partnered with leading software vendors to offer value-added capabilities on the Nucleus Platform Media Player.

VisualOn's embedded multimedia software includes optimized video and audio codecs that deliver the highest quality and performance while minimizing power consumption for handsets and other portable devices. "We have worked with Mentor to integrate our codecs with the Nucleus Platform Media Player reference design so that customers can start working with industry-standard video and audio formats out of the box," said Sean Torsney, vice president of sales and marketing for VisualOn.

Arphic's multilingual text layout engine and efficient font formats enable devices to support a broad range of complex languages and scripts with minimal overhead. "To meet diverse market needs, multimedia device manufacturers must be able to accommodate multilingual text requirements," said Grace Yang, CEO of Arphic. "Our technology enables Nucleus Platform Media Player customers to minimize the effort required to meet this need."

Arkamys specializes in the creation of software components that deliver enhanced, richer and more realistic audio playback. "We are pleased that Arkamys' innovations in audio technology are available to customers of the Nucleus Platform Media Player," noted Philippe Tour, CEO of Arkamys. "This collaboration affords device manufacturers a proven, off-the-shelf way to give consumers an audio experience that far exceeds the expectations set by standard sound playback technology."

Mentor Graphics at Embedded Systems Conference in Boston

To find out how Mentor's Nucleus embedded software solutions enable the delivery of innovative electronics products in less time and with lower cost, visit them at ESC Boston, Booth #400, Hynes Convention Center, Boston, MA, October 26-30.

Availability and Pricing

For more information and pricing for Mentor Graphics embedded solutions, please call 1-800-547-3000 or e-mail embedded_info@mentor.com.

To learn more about Arkamys solutions, visit http://www.arkamys.com/home.php.

To learn more about Arphic solutions, visit http://www.arphic.net.

To learn more about VisualOn solutions, visit http://www.visualon.com/.

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Mentor Graphics Broadens Support of OVM Compliant Verification IP for IEEE802.3-2005 Gigabit Ethernet-based Designs

30 October 2008

Mentor Graphics Corporation announced that its verification IP solution, the Questa® Multi-view Verification Component (MVC) library, has been extended to support the IEEE802.3-2005 Gigabit Ethernet standard.

Using Questa MVCs, electronic systems companies can reduce the development effort for verification environments required to validate and verify System-on-Chip (SoC) designs integrating high-speed Gigabit networking. All applications that require high bandwidth delivered by 10Gigabit Ethernet products, including high-performance computing grids and server virtualization and internet protocol television, benefit from using the Questa MVC solution. 10M/100M and 1Gigabit applications are also supported by the Questa MVC solution.

The complexity of today's SoC verification environments often require designers to spend valuable time building, validating and verifying multiple and usually incompatible Gigabit Ethernet verification IP to support system-level, TLM-level and RTL-level verification. This lack of consistency prevents teams from easily moving between abstraction levels and maximizing verification effectiveness. By leveraging support for critical industry standards such as IEEE802.3-2005 Gigabit Ethernet, SystemVerilog and the Open Verification Methodology (OVM) with the MVC's unique multi- view technology, designers can connect any level of abstraction from system to gate; integrated causality debug and analysis between abstractions; and compatibility with the Questa Verification Management solution – ensures consistent model behavior, fast error resolution and gives the verification team more options to improve performance and increase coverage.

The Questa functional verification platform delivers comprehensive verification and management solutions with support for all standard design and verification languages. Integrating all capabilities required for advanced functional verification of System-On-Chip (SoC) designs including constraint-solving, assertion checking, functional coverage, silicon-effects for low power and RTL/TLM debugging. In addition, the Questa platform is extended with Questa Multi-View Verification Components (MVC), Questa assertions and monitors Verification Library (QVL), the Open Verification Methodology (OVM), Questa Codelink™, and Questa Verification Management (VM), allowing the

Questa platform to deliver a significant reduction in effort, cost and time for the validation and verification of the most demanding SoC designs.

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New IBM Solutions Help Midsize Companies Maximize Business Performance and Efficiency

28 October 2008

IBM unveiled the newest Express Advantage offerings, which include hardware, software, and services specifically developed for midsized businesses. The portfolio of offerings provides IBM's extensive business partner ecosystem with a broad range of applications to deliver simple, affordable, customized solutions for their customers.

Midsize companies are looking for ways to better align their IT strategy with the needs of the business, improve access to information, reduce costs associated with manual processes and securely integrate information from disparate sources. IBM is committed to helping midsize businesses find new and affordable ways to apply technology to provide greater value to their customers.

IBM has launched a new software offering that helps midsize companies deliver better quality software, improve operational efficiency and continuously lower risk. IBM Rational Quality Manager Express is the first centralized Web-based test management solution built on IBM's Jazz technology. The software provides a Web 2.0 collaborative, customizable environment for test planning, construction, deployment and execution. It also enables workflow control and quantifiable metrics for project tracking and decision-making to ensure that the business objectives and outcomes of a software release have been met. A key benefit of the software is that it provides a central hub for business-driven software-quality delivery.

For example, the CIO of a company that manufactures electronic medical devices depends on the functionality of the company's software to ensure that the medical devices work. Using Rational Quality Manager Express they can monitor the aspects of the software delivery process that are contributing to the development of the medical devices.

As a result of being informed in real-time, they can now make immediate decisions to enable delivery of a high quality product to the marketplace on time and ahead of their company's competitors. With the implementation of Rational Quality Manager Express, if an issue with that software arises, the company and its IT staff would be alerted. The company is then able to take immediate action to fix the defects, thereby reducing delays and lost revenue.

"IBM's hardware, software and services offerings for the midmarket provide business partners with cost-effective solutions to help streamline business processes, gain information insights, employ new business models and secure more reliable access to critical resources," said Marc Dupaquier, general manager, IBM Global Midmarket. "The addition of Rational Quality Manager Express to the Express Advantage portfolio will enable them to significantly increase their operational efficiencies, employee productivity, customer service and competitive advantage to support growth."

"We are excited about the addition of Rational Quality Manager Express to the Jazz suite of IBM solutions," said Arthur Povlot, Sales Manager of Tescom USA. "Tescom is always looking to ease the process of software testing and improve business collaboration to meet the challenges of a constantly changing environment. This new software will enable us to achieve this while improving our customers' productivity and increase their revenue."

New Business Partner Offerings:

IBM has also launched new tools that drive innovation and growth for our business partners in the midmarket. These tools demonstrate IBM's continued focus on helping business partners better serve the needs of their customers.

IBM's Solutions Builder Express program, which enables business partners to provide cost-effective infrastructure solutions to meet the needs of midmarket customers, now includes the Solutions Consultant Tool V3. The tool helps solution providers to find clear and rapid resolution for solving discreet IT problems, or expand existing IT infrastructure solutions. By using the tool, business partners can shorten the solution sales cycle by up to 50 percent, while increasing their value-added services, gaining easier access to new markets and increasing profitability.

IBM Software Assembly Toolkit offers a simple and intuitive approach for business partners and independent software vendor to deploy their business applications. The toolkit assembles multiple middleware software products and the applications that run on them, and then creates a package for easy installation on a customer's computer. This package enables customers, business partners, and service organizations to gain complete control over the deployment experience by embedding OEM software. Deploying solutions happens in a matter of hours and the number of errors that commonly occur during deployment is significantly reduced.

IBM Finances the Midmarket Needs

IBM Global Financing, the lending and leasing business segment of IBM, has designed financing options that can help clients in the midmarket defer up-front investment costs for IBM hardware, software and services, thereby conserving cash for other more pressing business priorities. IBM Financing Advantage offers fast and simple financing at competitive rates, with simplified Web-based processes to deliver credit, price and contracts in less than one hour.

IBM Global Financing now offers "Why Wait," a no interest no payments program for 90 days deferral plan to support eligible customers acquiring IBM technology now through the end of 2008. The promotion financing structure is a 36 month fair market value lease. Customers installing the new server under the promotion terms make no payments for 90 days, and then make 36 even monthly payments (33 payments in some countries). Customers must be credit qualified, lease the eligible equipment with IGF for the promotional term and structure, and install the product in participating countries by Dec. 31, 2008.

For more information about IBM Global Financing's offering for financing the technology needs of midsize companies, visit IBM's Medium business financing solutions site.

New Express Advantage Security and Threat Mitigation offerings:

IBM Rational AppScan Express Edition helps companies address both external and internal Web security threats before they impact the business. In addition, the software helps small and midsize businesses manage Web security and comply with mandatory regulations including the Payment Card Industry Data Security Standard or the Health Insurance Portability and Accountability Act.

The Express Multi-Function Security Bundle and Express Managed Multi-Function Security Bundle have expanded into a number of new countries including Greece, Israel, Turkey, Luxembourg, Philippines, Indonesia, and Vietnam.

Express Multi-Function Security Bundle provides the most complete protection against network threats,

vulnerabilities, worms, viruses, spy-ware and spam in a single unified threat management appliance solution. Express Managed Multi-Function Security Bundle was developed for clients who prefer a fully managed multi-function security solution. IBM is delivering a service that provides 24/7 comprehensive protection, monitoring, and supports a broad array of security needs.

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Release of RuleDesigner PDM Support for Pro-E Wildfire 4.0

23 October 2008

ENGINEERING PLM Solutions announced the release of RuleDesigner PDM support for Pro-Engineer WildFire 4.0.

This allows Pro-E users to use all the features of the application RuleDesigner PDM directly from internal environment of ProE CAD.

RuleDesigner PDM is now fully integrated into ProE Wildfire 4.0 and it allows extending the benefits of improvements through the simplification of the product configuration, Bill Of Material, defining classification of attributes, parts number, numbering and renaming of the parts. RuleDesigner PDM allows a Vaulting for the storage and security of files, a search tool and the robotization of all daily repetitive tasks of the designer.

RuleDesigner PDM, accessible directly from CAD ProE WildFire 4.0 interface, is a complete alternative to "internal" solutions in PLM field and it represents a "Rule-Driven" response to more advanced needs of information management and of the entire product lifecycle.

The RuleDesigner PDM solution allows to designers to focus themselves on the design process, rather than on product's data management, ensuring an immediate increase of the productivity and helping to improve the quality of the CAD ProE WildFire 4.0.

The RuleDesigner PDM solution is also available for SolidEdge, SolidWorks, Inventor, Catia, Autocad, GBG, ME10, Cadra, etc.

About RuleDesigner

RuleDesigner is a suite of PLM applications that, capturing the rules on how the company defines, designs, manufactures and sells its products. The main benefit of RuleDesigner is the automation of some of the activities that CAD users carry out when designing new products.

The modular packaging of RuleDesigner PDM enables companies of all sizes to benefit from its functionality; for example engineers and designers can capitalise on the integration of RuleDesigner PDM with ProE 4.0 to automate the generation of each part numbers by launching the application directly from CAD and to be guided by a simple user interface in the defining of attributes that are relevant to specific categories.

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Significant Enhancements are Added to ICEM Shape Design R19

October 2008

ICEM announced the availability of ICEM Shape Design Release 19.

This is a short overview of some of the significant enhancements within this major release, all of which are designed to make working life easier and even more productive when using ICEM Shape Design Release 19.

ICEM Shape Design Release 19, based upon CATIA R19 Service Pack 1 software level, introduces five new capabilities related to geometric modelling, modification and analysis, as well as over 100 customer-requested enhancements to its existing surface design capabilities.

In the ICEM Shape Design Centre modelling environment, the following new functionality has been added:

Intersection	Patch from Patches
Refit	Ruler
ICEM DB Export	

In the ICEM Shape Design Centre modelling environment, further functionality has been added in existing commands, which significantly improve command capability, ergonomics and user workflow.

Curve Projection	Curve Offset
Curve Blend	Styling Corner
Split Curve	Patch from Curves
Flange	Fillet Flange
Styling Fillet	Surface Offset
Surface Blend	Fill
Sweep	Break
Matching Constraint	Mirror Analysis
Highlight Analysis	Split Analysis
Surfacic Curvature Analysis	Conversion

In the ICEM Shape Design Expert module, further functionality has been added in existing commands, which also improve command capability, ergonomics and user workflow.

Create Gap	Tubing
Global Surface Blend	Accelerated Surface
Advanced Fillet	Global Surface Offset
Tri-Tangent Fillet	

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SURFCAM Velocity 4 Beta Shipped, Wins Praise From Testers

27 October 2008

Surfware, Inc. announced that the beta version of its flagship CAM software, SURFCAM Velocity 4, is in the last phase of testing and has been made available to SURFCAM Beta Users.

After testing the beta version, Tom Bentley, President of Programming Plus, Inc. in New Berlin, Wisconsin, states, "We have found the new SURFCAM Velocity 4 beta to have an amazing array of

new features. This is the best quality beta version we have seen from SURFCAM in many years."

According to Pavel Cuc, Technical Director of 3E Praha Engineering in Prague, Czech Republic, "Many new features have been implemented in SURFCAM Velocity 4 that elevate the product to an entirely new level. The new 4- and 5-Axis functionality gives us full control over the tool motion and achieves the best cutting conditions during machining."

The new and enhanced features under Beta review include:

• *New 3-Axis High-Speed Machining* - new finish strategies feature smooth, fluid toolpaths and optimized retracts that eliminate abrupt changes in direction allowing maximum speeds and feeds and reduced cycle time. Processing speed has been increased by up to 80% over the previous SURFCAM version. Among the newly implemented HSM operations are Rest Machining, Offset Pencil Cut and 3D Offset.

• *Enhanced 4- and 5-Axis Machining* – newly implemented Gouge Avoidance Strategies allow users to specify up to four separate check surface groups; individual Gouge Avoidance Strategies can be applied to each successive group. This version also includes new Retract Styles and enhanced Gap Handling. The new functionality enables total control of the tool motion during any event of the cutting process.

"SURFCAM is the cornerstone of our business and has long held a leading position in this industry," says Stephen A. Diehl, President and CEO of Surfware. "For many years, we've been known for innovation, quality and ease of use, and SURFCAM Velocity 4 confirms this reputation. We look forward to completing beta testing soon in order to bring this much-anticipated release to customers, new and old."

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Synopsys Announces Availability of DesignWare SATA PHY IP in SMIC 130-nm Process Technology

30 October 2008

Synopsys, Inc. announced the immediate availability of the silicon-proven DesignWare® SATA PHY IP for SMIC's popular 130 nanometer (nm) process technology, for use in host and device applications such as mobile internet devices, set-top boxes, solid state drives and optical disk drives. Synopsys has expanded the SATA IP portfolio by introducing the SATA PHY IP for the SMIC 130-nm technology, therefore enabling a comprehensive SATA solution, which also includes the AHCI host and device digital controllers as well as verification IP. Accessing all the IP from one provider allows designers to lower the risk and cost of integrating SATA interfaces into their high-performance system-on-chip (SoC) designs.

The DesignWare SATA PHY IP substantially exceeds the SATA electrical specification in areas such as jitter, margin and receive sensitivity, thus delivering a robust design without sacrificing performance. The advanced built-in diagnostic capabilities provide customers with an on-chip sampling scope for quick debug of the PHY without the need for expensive test equipment. The PHY also comes with ATE test vectors which enable at-speed production testing of the PHY. Additionally, the DesignWare SATA PHY IP relies exclusively on standard digital CMOS process technology and does not require special process options, which results in significant manufacturing cost reduction and ease of integration into a SoC.

"As an established IP supplier, Synopsys provides chip designers with high-quality IP solutions that

offer a wealth of advanced features, combined with excellent technical support," said Paul OuYang, vice president of SMIC marketing and sales. "Having Synopsys' silicon-proven IP available in the SMIC 130-nm manufacturing process technology enables designers to quickly achieve time-to-market goals for their high-performance storage applications and then ramp into volume production."

"With the release of the DesignWare SATA PHY IP designed for SMIC 130-nm technology, Synopsys continues to provide designers with the IP they need in the required foundry process," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "Synopsys is addressing key concerns that our customers are facing today by characterizing the PHY to help ensure it meets and exceeds the SATA specification and passes SATA-IO compliance, thereby providing customers confidence that our PHY is fully interoperable with other SATA products."

Availability

The DesignWare SATA PHY IP in SMIC's 130-nm process technology is available now. The comprehensive SATA IP solution including the AHCI host and device controllers, PHY and verification IP is also available now. For more information, visit: http://www.synopsys.com/sata_solutions/

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Theorem Solutions Opens the way for the CATIA and 3DXML Communities to Work with JT Data

27 October 2008

Use of Dassault Systemes strategic XCAD and Siemens JT Open technology ensures full compatibility and delivers high quality data and business benefits with a new JT to 3DXML translator.

The CATIA community working in a collaborative manner where JT is the data exchange format, or those where JT is used within their own company now have easy and comprehensive access to the data previously locked away in JT files. Now, the ability to work with 3DXML data (that once was JT data) whilst continuing to work in their familiar Dassault Systemes application environment will bring not just operational benefits but business benefits too. Ease of use, time saved through not having to re-work data and reduction of costs by reducing the occurance of errors are all direct benefits from using Theorem's new JT to 3DXML translator.

Theorem's new JT to 3DXML translator makes accurate JT data available to users of CATIA V5, 3Dlive and 3DVia Composer. The 3DXML data is a full and complete translation of the JT file, including Brep solids and surfaces, tessellated data, PMI (product manufacturing information), structure and color. It provides users with new methods and extends the use of design data within a business enterprise and across supply chains.

Theorem customers will be immediately familiar with the interactive user interface for the translation of small numbers of files but it is likely that many organisations will gain significant benefit by running Theorem's JT to 3DXML translator via the command line interface integrated in to their PLM environments.

Theorem's JT to 3DXML is available immediately. For further information and to enquire about how to order please go to http://www.theoremsolutions.com/products/Intermediate/jt_3dxml.htm.

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Valor Offers New Dashboards Solution

28 October 2008

Valor Computerized Systems will enable its customers to monitor their manufacturing operations in real-time through simple, easy-to-use dashboards linked directly to the manufacturing floor.

Integrating Business Objects' technology, Valor's manufacturing dashboards enable accurate and rapid interpretation of data from the company's manufacturing and testing operations providing the ability to take the proactive view in driving peak performance and the response time necessary to constantly adapt to the dynamics of the market. Valor's dashboards are easy to use with many adjustable templates included out of the box. Each dashboard template immediately displays specific Key Performance Indicators (KPIs) giving critical visibility into every operational environment, to quickly identify trends or patterns in-progress for early corrective action.

With the goal of ensuring an efficient production flow, the line level solution provides the SMT workforce with real-time information about line/machine performance and work order status, as well as a wide range of analytical results that measure the utilization, productivity and quality of the assembly process. These include among others, OEE measurements, change-over time, 1st pass yield and nozzle/feeders errors by specific ID numbers.

The plant level dashboard is the industry's most advanced MI (Manufacturing Intelligence) tool, providing a high level view of performance of multiple assembly lines, WIP tracking, and full metrics of KPIs focused on factory performance, asset utilization, product quality and the productivity of the shop floor workforce.

"What makes the Valor dashboards so unique is the fact that they are practically ready to run as soon as they're out of the box." said Julian Coates, VP Assembly Market at Valor. "Nevertheless, we still offer the ability to quickly customize them as required. In addition, with Valor's ability to interface so many sections of the manufacturing operation with such a high degree of accuracy, the level of information that the Valor dashboards can present and the process coverage that they provide are second to none. We found that many manufacturers today sacrifice quality data for quantity and/or speed of delivery, thereby missing the benefit of the entire business intelligence effort. With Valor dashboards and our data collection tools, our customers' BI investment is leveraged for continuous, optimal benefit.

More information on the Valor Dashboards and Manufacturing Visibility is available on http://www.valor.com.

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