CIMdata

PLM Industry Summary

Editor: Christine Bennett

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Contents

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CIMdata News

Vote Now in the Latest CIMdata Opinion Poll

February 22 2008

Reminder: If you have not registered your opinion in the latest CIMdata opinion poll, please take a moment to do so now. This poll on company PLM strategy, takes only seconds to complete.

The results of these polls are tabulated as you vote. The results are completely anonymous.

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Company News

Cimatron Names Bill Gibbs President North America

15 February 2008

Cimatron Limited announced the nomination of Mr. Bill Gibbs as President North America, replacing Mr. Sam Golan. Bill Gibbs has also been nominated Director at Cimatron Technologies, Inc. (CTI). Under the new leadership of Bill Gibbs, CTI will continue to focus on developing the CimatronE business in North America, offering the best in class integrated CAD/CAM solution for Mold and Die makers.

Following the recently announced merger of Gibbs and Associates into Cimatron, Cimatron intends to capitalize on the strong presence of Gibbs and Associates in North America in order to enhance the sales efforts for CimatronE in this territory. Bill Gibbs, who will continue to maintain his position as President and CEO of Gibbs and Associates will now be responsible for promoting both CimatronE and GibbsCAM product lines in North America.

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CONTACT Software GmbH Extends Board of Executives

1 February 2008

In response to continued growth with employees, customers and revenue, CONTACT Software GmbH will extend its board of executives as of February 1st, 2008. In addition to founder Karl Heinz Zachries, Ralf Holtgrefe has been appointed as further managing director. Holtgrefe accompanied the development of CONTACT since its inception 1990 and is now responsible for organisation & controlling. He is, together with Dr. Roland Drewinski, head of marketing, and Frank Patz, head of R&D, member of the board of executives since 2001.

The present management team will now be reinforced by Dr. Udo Göbel, head of professional services, and Achim Müller, responsible for strategic product planning. With this board of executives, covering all key segments of the PDM/PLM vendor/developer, CONTACT regards itself well-adjusted to fully exploit the enterprise's growth potential.

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Si2's Low Power Coalition Announces CPF Roadmap

22 February 2008

Silicon Integration Initiative (Si2) published the Low Power Coalition's (LPC) approved Roadmap for Common Power Format (CPF) extensions planned out through mid-2009, along with a Request for Technology (RTF) to support the CPF extensions as well as power/design flow-related requirements. This announcement underscores the vitality and relevance of the LPC work as it continues to evolve based on designer and end-user needs (see member list below).

The announced CPF extensions cover the following items - a detailed presentation of each item can be found at this link: http://www.si2.org/?page=928

Immediate - Requirements for CPF Version 1.1 (target release – mid 2008)

- Hierarchical flow support.
- Memory modeling styles and support.
- Gate-level verification flow CPF support.
- Power estimation support
- Clocking and related updates required to drive power optimization.

Medium Term – Requirements for CPF 1.2 (target release – early 2009)

- Pre-Si and post_Si power modeling and budgeting.
- Test power definitions not represented in CPF.
- Investigate Load_foreign.
- IO modeling and representation.

Long Term - Requirements for CPF 2.0 (target release – mid 2009)

- CPF to drive debug related to power.
- CPF based system level definition.

While the above items are an excellent start, they are recognized as only a start and will benefit from additional evolution and extension. It is also recognized that useful technologies exist in various companies in the industry. Those companies may be interested in being recognized for their technologies in various parts of the design flow from very high level all the way to the physical level. Sharing technologies and structures through the LPC can lead to faster industry progress and convergence. To that end, the LPC, with the assistance of Si2, has issued the Request for Technology, which is located at: http://www.si2.org/?page=784

Background

The CPF standard was approved and made publicly available in March of 2007, and since then has achieved wide acceptance in EDA tool adoption, use in end-user tool flows, numerous completed chip tape-outs and subsequent testimonials, and adoption into major foundry reference flows. In addition to the CPF 1.0 standard document (868 downloads) and CPF tutorial (625 downloads), adoption aids include CPF Parser software (53 downloads) and a CPF Pocket Guide (1310 downloads), all freely available from Si2. CPF is also supported by members of the Power Forward Initiative, http://www.powerforward.org.

Within the next couple of weeks, a new CPF Relational Analyzer will be announced - another valuable (and free) adoption aid.

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Events News

Convergence 2008 Provides Portal into Diverse Applications of DSSP

22 February 2008

Geomagic has announced the conference program for Convergence 2008, March 4-6 in Research Triangle Park, N.C., USA.

The second annual conference will reflect the wide realm of applications for digital shape sampling and processing (DSSP), including:

- virtual manufacturing at Ford Motor Company;
- treatment of newborns with cleft lips and palates at Shriners Hospital;
- computer-aided inspection and analysis at ITT;
- virtual assembly at NASA;
- turbine design and inspection at Pratt & Whitney;
- engine optimization at Richard Childress Racing; and
- research and real-world case studies in areas such as digital reconstruction, digital dentistry, textured surfacing, failure analysis, and skeleton modeling for medical applications.

Convergence 2008 is the second annual conference addressing worldwide DSSP applications and research. DSSP describes technologies that close the loop between physical products and their digital representations.

In addition to conference sessions, Convergence 2008 includes exhibits from more than a dozen leading

3D scanning and metrology companies, “Ask the Experts” and “Tips & Tricks” sessions, and meals and networking opportunities throughout the course of the event.

Peter Marks, managing director of Design InSight, and Ping Fu, president and CEO of Geomagic, are keynote speakers for the conference. Marks will focus on the massive environmental savings of DSSP, while Fu will examine how the discipline of design thinking will create richer experiences that lead to greater satisfaction and sustainability.

Registration and information

Registration for Convergence 2008 is $495 until March 3 and $595 on-site. Online registration and additional information are available at http://www.geomagic.com/convergence.

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Demonstrations of Vision for Manufacturing Life-Cycle Management

20 February 2008

On the 12th of March 2008 Eurostep and the Royal Institute of Technology in Stockholm (KTH) will be running demonstrations of our vision for Manufacturing Life-Cycle Management.

The demonstrations will be run on the 12th of March at Scania in Södertälje during an MLM (Manufacturing Life Cycle Management) seminar. This seminar is part of the STEP-Manufacturing (T24) team meeting held at Sandvik Coromant in Sandviken, March 10th -11th.

The seminar will present an MLM vision where Product, Process, and Resource information is integrated with full traceability from design to individual for all the different domains. The possibilities and business benefits with this integration will be demonstrated using PLCS and Eurostep's server solution Share-A-space®.

For more information about the seminar please contact Olof Nyqvist

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Geometric Technologies to Display Advances in Automation with CAMWorks and DFMPro at the WESTEC Show

19 February 2008

Geometric Technologies, Inc. (formerly TekSoft, Inc.) will showcase the latest releases of their products, CAMWorks® and DFMPro at the WESTEC 2008 Exposition & Conference (booth #S3574) in the Los Angeles Convention Center from March 31 to April 3, 2008.

CAMWorks 2008 delivers a set of over 50 new performance enhancements, user interface improvements, and strategies to meet the machining requirements of diverse applications. These include improved speed and toolpath reliability for multi-axis operations, improved simulation speed and quality, and numerous user interface options for display and navigation that add to the CAMWorks ease of use. New toolpath strategies and controls have been implemented for 2-5 axis milling, turning and wire EDM to improve quality and decrease machining time. Significant enhancements in 3 axis milling include:

• A new Adaptive Roughing strategy that provides the ability to cut using the full depth of the tool and safely run your machine at optimum speed, which can reduce machining time by up to 40% over

conventional roughing with less wear.

• Z Level combination toolpath option for constant step strategy on shallower slope areas.

• Additional control over pencil milling.

According to Bruce Wiener, Director of Research & Development, Geometric Technologies, "CAMWorks 2008 is the result of leveraging a strong foundation in CAM technology that allows Geometric Technologies to increase its innovative edge in delivering CAM solutions and compete successfully in the expanding market for solids machining. We continually improve CAMWorks to meet the needs of the mold-making and machining industries."

CAMWorks is a SolidWorks® certified Gold CAM product that provides state-of-the-art machining capabilities integrated into the SolidWorks 3D mechanical design software. CAMWorks can be purchased to run with SolidWorks, or as part of a cost-effective package that includes CAMWorks Solids, an integrated solid-modeler. More information on CAMWorks is available at http://www.camworks.com.

DFMPro is a “Design for Manufacturability” product developed for designers and manufacturing engineers to facilitate upstream manufacturability validation and identification of areas in design that are difficult, expensive or impossible to manufacture. DFMPro is engineered for examination of product manufacturability. DFMPro is an advanced version of DFMXpress, a free tool shipped with every seat of SolidWorks 2008.

More information on DFMPro is available at http://www.dfmpro.com.

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JETCAM at MACH 2008

18 February 2008

JETCAM will be demonstrating the latest version and forthcoming features of its Expert CADCAM software for punching, profiling and routing technologies at the Press and Shear booth (No 4867) at MACH 2008, held at the Birmingham NEC between April 21st and 25th 2008. The latest version has seen further significant advances in all cutting technologies, nesting efficiency, automation and ease of use.

The latest version V16, under the slogan of ‘Twice the power of V8’, includes new features aimed at providing enhanced functionality and ease of use for interactive tasks along with further automation for users looking for semi or completely unmanned solutions. JETCAM will also be increasing the number of end user releases in 2008, ensuring that customers can immediately take advantage of each new feature as soon as it is available. Existing customers under maintenance with JETCAM will be able to take the latest version away with them at the stand at no cost.

JETCAM will be demonstrating V16’s new sequencing routines, which have been optimised to further improve the cutting path which can considerably reduce the overall cutting time of complex nests. A new reporting engine will also be shown, which provides comprehensive and customisable reports. A report designer is included, where users can simply drag and drop the required fields or tables of information onto the page. Single component or complete nest images can also be added. Reports of any size or format can be generated, including labels for single label printers.

In 2007 JETCAM signed a number of OEM agreements with machine tool manufacturers covering

various cutting technologies – OMAX waterjets, HPM plasma machines, Zund composite cutters and Finn-Power punching and profiling machines. JETCAM Expert offers a system that provides complete interaction, complete automation, or a mixture of anything in between depending on each user's unique requirements. The Remote Control Processing (RCP) allows external programs (such as MRP) to completely automate the programming and NC code generation process for complete hands-off operation.

The latest version of JETCAM Orders Controller (JOC) will also be on display. JOC allows for the remote creation of orders for components or assemblies within JETCAM Expert, and also provides a comprehensive reporting module. If used in conjunction with RCP, customers can expect a completely hands-free NC programming system, with machine operators using JOC to queue up orders, and the relevant NC code arriving at the right machine within seconds. New features include the ability to harness the power of multiple JETCAM Expert licenses to automatically nest components, with the next available Expert system processing queued orders.

Commented Mike Weber, Managing Director of JETCAM International; "2007 saw a significant increase in license sales through Press and Shear in the UK, and all the indicators point to further increases in 2008."

Mark Britton, Managing Director of Press and Shear Ltd added; "JETCAM continues to be a strong line in our portfolio and MACH provides the perfect platform to demonstrate features that are relevant to the majority of attendees."

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Lantek Brings Expert III and the Latest Version of Expert II to MACH

15 February 2008

Lantek will be launching Expert II V27, the latest release of its sheet metal CAM software and demonstrating Expert III, its sheet metal job management system, at MACH 2008 at the NEC, Birmingham between 21st and 25th April, on stand 4581.

Expert II V27 includes a host of important changes, including a new interface which eases manipulation and viewing of nests through the nesting explorer menu, as well as providing floating, dockable panels which give information and control over the nesting process.

The nesting capabilities have also been upgraded in Version 27. Colour coding eases part identification, and can be limited to zones on the sheet. Improvements to the dragging of nested parts provide collision avoidance against neighbouring components, ensuring that the resulting nest is valid. To provide extra flexibility, Expert II can now generate CNC code for several different machines simultaneously from one nest. This new capability will allow companies to maximise machine utilisation through last minute changes to the production cycle. Other improvements include manual multi torch nesting, handling of the Xp axis on Trumpf machines and new algorithms for remnant destruction on punching machines.

Lantek has introduced a completely new module for manufacturing mosaic patterns. The software will segregate material into different types, so that these can be nested together. It then provides an overall plan for the mosaic for identifying the final position of each part. Expert II V27 also provides new functionality for lead-ins, and loops for profiling operations, and has speeded up and improved the cutting of parts with a large number of holes.

Expert III, Lantek's dedicated job management system, has been designed to suit the needs of sheet

metal manufacturers. Starting with the quotation, Expert III can import CAD data or parts can be drawn directly in the system. Nesting groups the components as economically as possible on the sheet, and automatic cut length calculations and material cost data combine to produce an accurate cost per part. Shop floor documentation is automatically generated from the Expert III quotation, and feedback from the factory keeps managers up to date with the status of each job. The software also generates delivery notes and invoices, and interfaces with accounting packages, achieving substantial savings in administrative effort.

Sheet metal manufacturers visiting MACH will benefit from a visit to Lantek's stand (4581) to help them improve their cutting and nesting processes and to see how Expert III will give them better control of their manufacturing.

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On-Line Tutorial Available for Si2's Common Power Format

18 February 2008

Silicon Integration Initiative (Si2) announced the availability of an on-line Common Power Format (CPF) tutorial. The tutorial is a self-paced, 2 and ½ hour slide and audio presentation that educates engineers on the CPF Standard and provides detailed examples of actual usage. The syntax and semantics of the CPF format are also discussed in detail. It is presented by one of the three Low Power Coalition Architects, Qi Wang, with an introduction by Dr. Sumit Dasgupta of Si2. The tutorial was recorded in real time on December 6, 2007. The tutorial was extremely well received with 108 registrants. The presentation is available at http://www.si2.org/?page=907.

The CPF standard was approved and made publicly available in March of 2007, and since then has achieved wide acceptance in EDA tool adoption, use in end-user tool flows, numerous completed chip tape-outs and subsequent testimonials, and adoption into major foundry reference flows. In addition to the CPF 1.0 standard document (868 downloads) and CPF tutorial (625 downloads), adoption aids include CPF Parser software (53 downloads) and a CPF Pocket Guide (1310 downloads), all freely available from Si2.

CPF is also supported by members of the Power Forward Initiative, http://www.powerforward.org.

Later this week, the CPF Roadmap will be announced, detailing planned enhancements out through 2009.

About the Low Power Coalition (LPC)

The Low-Power Coalition (LPC) is delivering enhanced capabilities in low-power Integrated Circuit (IC) design flows in particular relating to specifications of low-power design intent, architectural tradeoffs, logical/physical implementation, design verification and testability. For further information on the Low Power Coalition, see http://www.si2.org/?page=726.

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Partners to Showcase Magma's Design Ecosystem at MUSIC Users Conference Feb. 27-28 in Santa Clara

20 February 2008

Magma® Design Automation Inc. announced the companies that will participate in the Partners Fair at Magma's MUSIC (Magma Users Summit on Integrated Circuits) users conference Feb. 27-28 at the Santa Clara Convention Center. This year's lineup includes Accellera, ARM, Blue Pearl Software, Fastrack Design, IPL Alliance, LogicVision, Mentor Graphics, MIPS Technologies, Silicon Canvas, Silistix, Synopsys, Tensilica, TSMC, Uniquify, Verific Design Automation and Virage Logic.

"As adoption of Magma software increases in the design community, it is important that the ecosystem encompassing Magma's tools grows accordingly so that user support remains strong," said Kam Kittrell, general manager of Magma's Design Implementation Business Unit. "Through their participation in the MUSIC Partners Fair, Magma's partners are clearly demonstrating interoperability with Magma tools and their support for the Magma design ecosystem and user base."

The Partners Fair is scheduled for Thursday, Feb. 28 from 5-7 p.m. There Magma users will see how other designers have achieved their design goals with a complete methodology that includes Magma's RTL-to-GDSII software and complementary tools and technologies from Magma's partners.

ARM, the platinum sponsor of MUSIC, will present an overview of joint ARM-Magma reference flows during Thursday's lunch. Users will learn how these reference flows enable easy integration of ARM IP into advanced system-on-a-chip (SoC) designs being implemented with Magma software.

Other sponsors include MIPS Technologies, TSMC, Virage Logic and Common Platform.

Magma CEO Rajeev Madhavan will deliver a keynote address on Day 1 of the event. On Day 2, Chris Urmson, one of the leading figures in robot navigation and director of technology for Carnegie Mellon University's Tartan Racing, will present a keynote on "Boss," the autonomous vehicle his team developed.

For the complete MUSIC agenda and to register for the conference visit the Magma website at http://www.magma-da.com/MUSIC

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Sescoi Brings New CAM/CAD and Management Software to MACH

15 February 2008

Sescoi will be exhibiting its flagship CAM/CAD software, WorkNC G3, at MACH 2008, 21st to 25th April on stand 4590. The company has chosen the show for the UK launch of its new WorkPLAN Enterprise ERP system, its latest MyWorkPLAN V2 job management software as well as WorkXPlore 3D, its new visualisation, interrogation and analysis package.

Sescoi marks the 20th anniversary of WorkNC this year and will be demonstrating WorkNC G3, the third generation of its automatic CAM/CAD software at the show. By using its expertise in machining and by working in partnership with its customers, it has created a system which sets new standards in ease of use and automation. WorkNC G3's single ergonomic interface combines design, analysis, CNC programming, toolpath editing and verification into one environment, making the software's operation fast and intuitive. New fluid toolpath algorithms provide smoother transitions in WorkNC G3's automated cycles, while 5-axis routines have been extended with extra options in Auto 5, which automatically translates 3-axis movements into 5-axis, and new cycles for impeller and blade machining. The levels of automation in WorkNC G3 bring the cost benefits of 5-axis machining within the grasp of every company, enabling them to use short rigid cutters and machine more of the part in one setting.

WorkPLAN Enterprise provides ERP capability without complexity for project based applications. The system brings together the functions often carried out by disparate software packages, unifying quotation, purchasing, stock, planning, sales processing, quality, time and performance management.

Tools within the software enable analysis of CAD data, the viewing of CAM data, and the retrieval of historic information for accurate and fast quotations. Gantt charts control the progress of production updated from real time shop floor information, highlighting deviations from the plan. Management of the product lifecycle is achieved through central storage of documentation, simplifying traceability and after sales service. Reports for key performance indicators can be tailored to suit each company, helping them to make the best use of resources and maximise profitability.

Companies looking for the latest in job management will be able to see demonstrations of MyWorkPLAN V2 on Sescoi's stand. Its ability to link to a range of external software packages allows reuse of existing skills and rapid implementation. The system's core job management functions controlling quotations, job tracking and scheduling can now be complemented by a number of manufacturing-related modules allowing users to upgrade to the full WorkPLAN Enterprise system as their requirements expand.

New from Sescoi is WorkXPlore 3D. Designed for collaborative working, users can interrogate, mark up, analyze and share CAD data from multiple sources. By supporting 2D and 3D CAD data including Catia V5, Unigraphics, Pro/E, Parasolid, Acis, IGES, ISO Toolpaths, DWG and HPGL, the software makes it possible to work with very large models from multiple CAD systems simultaneously. Available in Collaborator and Manufacturing Pro versions, WorkXPlore 3D saves the cost of acquisition and training for CAD packages and promotes an integrated working environment. The software has been awarded the Productivity Excellence prize which will be presented at the forthcoming Industrie show in Paris. On their stand at MACH, Sescoi will be giving away a free viewer version of WorkXPlore 3D which also includes full Collaborator functionality for 30 days.

Sescoi will be bringing a new a range of software solutions to stand 4590 at MACH this year, thanks to its software development skills and the experience it has built up from 20 years of working with manufacturers. Ease of use and automation principles throughout the product range deliver packages which enhance productivity and profitability, yet remain simple to learn and operate.

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The MathWorks to Share Expertise on Multidomain Modeling and System-Level Verification at Date 2008

20 February 2008

Who: The MathWorks

What: Experts from The MathWorks will discuss the use of Model-Based Design and embedded systems within the electronic system industry through tutorials and workshops.

Where/When: Design, Automation, and Test in Europe (DATE) Conference 2008
Munich, Germany
10-14 March, 2008

The MathWorks, located in Booth E16, will discuss the use of multi-domain modeling and system-level verification for electronic design automation and embedded systems design at DATE 2008 in Munich, Germany. Experts from The MathWorks will participate in the technical program and provide in-booth

demonstrations and presentations on these topics.

Learn more about The MathWorks, multidomain modeling, and system-level verification in the following technical sessions or by stopping by the booth.

• **Monday, March 10, 9:30 a.m. -6:00 p.m., Location: Room 11a**
Pieter J. Mosterman and Darel Linebarger from The MathWorks will participate in a tutorial titled "Automatically Realising Embedded Systems from High-Level Functional Models," which includes presenters from Vanderbilt University, CEA Leti, NXP, Boston University, and Tensilica.

• **Tuesday, March 11, 11:30 a.m. -1:00 p.m., Location: Room 05**
Ken Karnofsky from The MathWorks will participate in the executive session titled "Unifying or Overrated: A System-Level Design Strategy," alongside presenters from the EDA Consortium, Synopsys, Mentor Graphics, Infineon, Technische Universität Braunschweig, Ericsson, and Altera.

• **Wednesday, March 12, 8:30 a.m. -10:00 a.m., Location: Room 0** 4b
Pieter Mosterman from The MathWorks will be moderating a technical session titled "Model-Based Design for Embedded Systems."

• **Wednesday, March 12, 10:30 a.m. -11:30 a.m., Location: Exhibition Theatre**
Jim Tung from The MathWorks will participate on a panel titled "Functional Design Is All That Matters?" Jim will join panelists from University of California, Berkeley, CEA, CoWare, Samsung, and ST Microelectronics.

• **Thursday, March 13, 8:30 a.m. -10:00 a.m., Location: Room 04b**
Pieter Mosterman from The MathWorks will be moderating a technical session titled "New Real-Time Scheduling Approaches and Their Applications."

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Financial News

ANSYS Reports Record Fourth Quarter and Annual Results Driven by Organic Revenue Growth

21 February 2008

ANSYS, Inc. reported its fiscal fourth quarter and full year 2007 results.

"We are pleased to report the strongest quarterly and annual performance in our Company's history, including our first quarter of over $100 million in revenue," commented ANSYS President & CEO Jim Cashman. "With solid contributions from all aspects of our business, we exceeded our growth and profitability plans for both the fourth quarter and for the year. By focusing on maximizing the strengths and opportunities that the combination of ANSYS and Fluent presented, we were able to fuel our investments in research and development, sales and marketing, and our global infrastructure. As a result of these efforts, we have the broadest, deepest and most integrated product offerings in our history. Our comprehensive Multiphysics capabilities and scalability have clearly established us as the leader in engineering simulation."

ANSYS' fourth quarter and full year 2007 financial results are presented below. The non-GAAP results exclude the income statement effects of stock-based compensation, purchase accounting for deferred revenue and acquisition-related amortization of intangible assets. The 2006 full year results also exclude a one-time charge related to in-process research and development associated with the acquisition of

Fluent.

Non-GAAP and GAAP results reflect:

• Total non-GAAP revenue of $111.2 million in the fourth quarter of 2007 as compared to $90.4 million in the fourth quarter of 2006; total non- GAAP revenue of $387.2 million in 2007 as compared to $282.0 million in 2006; total GAAP revenue of $111.2 million in the fourth quarter of 2007 as compared to $85.2 million in the fourth quarter of 2006; total GAAP revenue of $385.3 million in 2007 as compared to $263.6 million in 2006;

• A non-GAAP operating profit margin of 43.2% in the fourth quarter of 2007 as compared to 38.1% in the fourth quarter of 2006; a non-GAAP operating profit margin of 43.3% in 2007 as compared to 38.7% in 2006; a GAAP operating profit margin of 34.1% in the fourth quarter of 2007 as compared to 23.4% in the fourth quarter of 2006; a GAAP operating profit margin of 32.9% in 2007 as compared to 13.7% in 2006;

• Non-GAAP net income (see *Note below) of $36.0 million in the fourth quarter of 2007 as compared to $21.5 million in the fourth quarter of 2006; non-GAAP net income of $109.0 million in 2007 as compared to $70.7 million in 2006; GAAP net income of $29.3 million in the fourth quarter of 2007 as compared to GAAP net income of $12.3 million in the fourth quarter of 2006; GAAP net income of $82.4 million in 2007 as compared to GAAP net income of $14.2 million in 2006; and

• Non-GAAP diluted earnings per share (see *Note below) of $0.44 in the fourth quarter of 2007 as compared to $0.27 in the fourth quarter of 2006; non-GAAP diluted earnings per share of $1.34 in 2007 as compared to $0.92 in 2006; GAAP diluted earnings per share of $0.36 in the fourth quarter of 2007 as compared to GAAP diluted earnings per share of $0.15 in the fourth quarter of 2006; GAAP diluted earnings per share of $1.02 in 2007 as compared to GAAP diluted earnings per share of $0.19 in 2006.

* Note: The GAAP and non-GAAP net income and earnings per share data for 2007 presented above include approximately $3 million, or $0.04 per share, in tax benefits during the fourth quarter of 2007, primarily related to (1) reductions in the Company's accrual related to uncertain tax positions associated with the filing of voluntary disclosure agreements in various state taxing jurisdictions, (2) reductions in the Company's U.S. net deferred tax liabilities associated with the merger of two U.S. legal entities, (3) a favorable adjustment to the Company's previous estimate for taxes owed in a foreign jurisdiction as a result of the completion of the related tax filing and (4) reductions in certain deferred tax liabilities in foreign jurisdictions related to prospective income tax rate changes adopted by the foreign jurisdiction.

The Company's GAAP results reflect stock-based compensation charges related to SFAS No. 123R, "Share-Based Payment," of approximately $2.5 million ($2.1 million after tax), or $0.03 diluted earnings per share, for the fourth quarter of 2007 and approximately $8.9 million ($7.4 million after tax), or $0.09 diluted earnings per share, for 2007.

The non-GAAP financial results highlighted above and the non-GAAP financial outlook for 2008 discussed below represent non-GAAP financial measures. A reconciliation of these measures to the appropriate GAAP measures, for the three months and twelve months ended December 31, 2007 and 2006 as well as the 2008 financial outlook, is included in the condensed financial information included in this release.

Continuing his comments, Cashman noted, "We began 2007 with strong business and customer momentum and are pleased that we were able to leverage that momentum throughout the year to close out the fourth quarter with double-digit growth in all major geographies. Our focus on innovation,

simulation and transformation is enabling us to solve our customers' emerging and ever more complex problems, fueling the demand for our products and increasing our opportunities for further penetration in all major industry segments."

Cashman concluded by saying, "As we enter 2008, we are very encouraged by the positive adoption levels we are experiencing and believe we have a very strong foundation for continued, long-term growth and financial success. While we are increasing our outlook for the year, we are also cognizant of the uncertainties relative to the current volatility in the capital markets, as well as concerns about economic slowdowns in certain major geographies. We believe we are well positioned to invest in and capitalize on the global market opportunities for growth and to leverage our extensive customer base, strategic vision, technology leadership, and solid business model to drive continued technological and operational excellence."

Management's Remaining 2008 Financial Outlook

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

As required by SFAS No. 123R and guidance issued by the Securities and Exchange Commission, the Company records expenses and tax benefits related to stock-based compensation. As a result, the GAAP estimates for earnings per share provided below reflect the anticipated impact of stock-based compensation. The Company issues both nonqualified and incentive stock options; however, incentive stock options comprise a significant portion of outstanding stock options. The tax benefits associated with incentive stock options are unpredictable, as they are predicated upon an award recipient triggering an event that disqualifies the award and which then results in a tax deduction to the Company. GAAP requires that these tax benefits be recorded at the time of the triggering event. The triggering events for each option holder are not easily projected. In order to estimate the tax benefit related to incentive stock options, the Company makes many assumptions and estimates, including the number of incentive stock options that will be exercised during the period by U.S. employees, the number of incentive stock options that will be disqualified during the period and the fair market value of the Company's stock price on the exercise dates. Each of these items is subject to significant uncertainty. Additionally, a significant portion of the tax benefits related to disqualified incentive stock options is accounted for as an increase to equity (additional paid-in capital) rather than as a reduction in income tax expense, especially in the periods most closely following the adoption date of SFAS No. 123R. Although all such benefits continue to be realized through the Company's tax filings, this accounting treatment has the effect of increasing tax expense and reducing net income. For example, the Company realized a tax benefit of $4.5 million during 2007 related to disqualified incentive stock options; however, only $243,000 of such amount was recorded as a reduction in income tax expense. Because there are significant limitations in estimating the impact of SFAS No. 123R, including those discussed above, the actual impact of stock-based compensation on GAAP earnings per share may differ materially from the estimated amounts included in the guidance below.

First Quarter 2008 Guidance

The Company currently expects the following for the quarter ending March 31, 2008:

GAAP revenue in the range of	$103 - $106 million
GAAP diluted earnings per share of	$0.24 - $0.26

Non-GAAP diluted earnings per share of	$0.33 - $0.34

Fiscal Year 2008 Guidance

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

GAAP revenue in the range of	$442 - $447 million
GAAP diluted earnings per share of	$1.12 - $1.19
Non-GAAP diluted earnings per share of	$1.48 - $1.51

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

ANSYS will hold a conference call at 10:30 a.m. Eastern Time on February 21, 2008 to discuss fourth quarter results. The replay will be available for one week by dialing 888-203-1112 (US & Canada) or 719-457-0820 (Int'l) and entering the passcode "ANSYS," or "26797." The archived web cast can be accessed, along with other financial information, on ANSYS' website at http://www.ansys.com/corporate/investors.asp.

Use of Non-GAAP Measures

The Company provides non-GAAP revenue, non-GAAP operating income, non-GAAP operating profit margin, non-GAAP net income and non-GAAP diluted earnings per share as supplemental measures to GAAP regarding the Company's operational performance. These financial measures exclude the impact of certain items and, therefore, have not been calculated in accordance with GAAP. A detailed explanation of each of the adjustments to such financial measures is described below. This press release also contains a reconciliation of each of these non-GAAP financial measures to its most comparable GAAP financial measure.

Management uses non-GAAP financial measures (a) to evaluate the Company's historical and prospective financial performance as well as its performance relative to its competitors, (b) to set internal sales targets and spending budgets, (c) to allocate resources, (d) to measure operational profitability and the accuracy of forecasting, (e) to assess financial discipline over operational expenditures and (f) as an important factor in determining variable compensation for management and its employees. In addition, many financial analysts that follow our Company focus on and publish both historical results and future projections based on non-GAAP financial measures. We believe that it is in the best interest of our investors to provide this information to analysts so that they accurately report the non-GAAP financial information. Moreover, investors have historically requested and the Company has historically reported these non-GAAP financial measures as a means of providing consistent and comparable information with past reports of financial results.

While management believes that these non-GAAP financial measures provide useful supplemental information to investors, there are limitations associated with the use of these non-GAAP financial measures. These non-GAAP financial measures are not prepared in accordance with GAAP, are not reported by all of the Company's competitors and may not be directly comparable to similarly titled measures of the Company's competitors due to potential differences in the exact method of calculation. The Company compensates for these limitations by using these non-GAAP financial measures as supplements to GAAP financial measures and by reviewing the reconciliations of the non-GAAP financial measures to their most comparable GAAP financial measures.

The adjustments to these non-GAAP financial measures, and the basis for such adjustments, are outlined below:

Purchase accounting for deferred revenue. As announced on May 1, 2006, ANSYS acquired Fluent Inc. in a series of mergers. In accordance with the fair value provisions of EITF 01-3, "Accounting in a Business Combination for Deferred Revenue of an Acquiree," acquired deferred revenue of approximately $31.5 million was recorded on the opening balance sheet, which was approximately $20.1 million lower than the historical carrying value. Although this purchase accounting requirement has no impact on the Company's business or cash flow, it adversely impacts the Company's reported GAAP software license revenue, primarily for the first twelve months post- acquisition. In order to provide investors with financial information that facilitates comparison of both historical and future results, the Company has provided non-GAAP financial measures that exclude the impact of the purchase accounting adjustment. The Company believes that this non-GAAP financial adjustment is useful to investors because it allows investors to (a) evaluate the effectiveness of the methodology and information used by management in its financial and operational decision-making and (b) compare past and future reports of financial results of the Company, as the revenue reduction related to acquired deferred revenue will not recur when related annual lease licenses and software maintenance contracts are renewed in future periods.

Amortization of intangibles from acquisitions and its related tax impact. The Company incurs amortization of intangibles, included in its GAAP presentation of amortization of software and acquired technology, and amortization expense, related to various acquisitions it has made in recent years. Management excludes these expenses and their related tax impact for the purpose of calculating non-GAAP operating income, non-GAAP operating profit margin, non-GAAP net income and non-GAAP diluted earnings per share when it evaluates the continuing operational performance of the Company, because these costs are fixed at the time of an acquisition, are subsequently amortized over a period of several years after the acquisition and generally cannot be changed or influenced by management after the acquisition. Accordingly, management does not consider these expenses for purposes of evaluating the performance of the Company during the applicable time period after the acquisition, and it excludes such expenses when making decisions to allocate resources. The Company believes that these non-GAAP financial measures are useful to investors because they allow investors to (a) evaluate the effectiveness of the methodology and information used by management in its financial and operational decision-making and (b) compare past reports of financial results of the Company, as the Company has historically reported these non-GAAP financial measures.

Stock-based compensation expense and its related tax impact. The Company incurs expense related to stock-based compensation included in its GAAP presentation of cost of software licenses, cost of maintenance and service, research and development expense and selling, general and administrative expense. Although stock-based compensation is an expense of the Company and viewed as a form of compensation, management excludes these expenses for the purpose of calculating non-GAAP operating income, non-GAAP operating profit margin, non-GAAP net income and non-GAAP diluted earnings per share when it evaluates the continuing operational performance of the Company. Specifically, the Company excludes stock-based compensation during its annual budgeting process and its quarterly and annual assessments of the Company's and management's performance. The annual budgeting process is the primary mechanism whereby the Company allocates resources to various initiatives and operational requirements. Additionally, the annual review by the board of directors during which it compares the Company's historical business model and profitability as it relates to the planned business model and profitability for the forthcoming year excludes the impact of stock-based compensation. In evaluating the performance of senior management and department managers, charges related to stock-based compensation are excluded from expenditure and profitability results. In fact, the Company records

stock-based compensation expense into a stand-alone cost center for which no single operational manager is responsible or accountable. In this way, management is able to review on a period-to-period basis each manager's performance and assess financial discipline over operational expenditures without the effect of stock-based compensation. The Company believes that the non-GAAP financial measures are useful to investors because they allow investors to (a) evaluate the Company's operating results and the effectiveness of the methodology used by management to review the Company's operating results, and (b) review historical comparability in its financial reporting, as well as comparability with competitors' operating results.

Acquired in-process research and development. The Company incurs in-process research and development expenses when technological feasibility for acquired technology has not been established and no future alternative use for such technology exists. Management excludes these expenses and their related tax impact for the purpose of calculating non-GAAP financial measures when it evaluates the continuing operational performance of the Company because these costs do not relate to the Company's ongoing operations and generally cannot be changed or influenced by management at the time of or after the acquisition. Accordingly, management does not consider these expenses for purposes of evaluating the performance of the Company during the applicable time period after the acquisition, and it excludes such expenses when making decisions to allocate resources. The Company believes that this non-GAAP financial adjustment is useful to investors because it allows investors to (a) evaluate the effectiveness of the methodology and information used by management in its financial and operational decision-making and (b) compare past and future reports of financial results of the Company, as the expense related to in-process research and development is a one-time item recorded on the date of acquisition.

Non-GAAP financial measures are not in accordance with, or an alternative for, generally accepted accounting principles in the United States. The Company's non-GAAP financial measures are not meant to be considered in isolation or as a substitute for comparable GAAP financial measures, and should be read only in conjunction with the Company's consolidated financial statements prepared in accordance with GAAP.

Financial Tables

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Cadence Design Systems Announces Authorization of $500 Million Stock Repurchase

20 February 2008

Cadence Design Systems, Inc. announced that its Board of Directors has approved a stock repurchase program that authorizes Cadence to repurchase its common stock with a value of up to $500 million in the aggregate, effective immediately. This is in addition to the approximately $8.36 million remaining from Cadence's previous stock repurchase authorization.

Share repurchases under this program may be made in the open market or in privately negotiated transactions. The timing and actual number of shares repurchased will depend on a variety of factors including price, corporate and regulatory requirements and other market conditions.

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Cimatron's Fourth Quarter and Full Year 2007 Results Release Scheduled for February 27th, 2008

19 February 2008

Cimatron Limited announced that it will be releasing its fourth quarter and full year 2007 financial results on Wednesday, February 27th, 2008, before the US market opens.

Cimatron's management will host a conference call that same day, at 9:00 EST, 16:00 Israel time. On the call, management will review and discuss the results, and will also be available to answer questions by investors.

To participate, please call one of the following teleconferencing numbers. Please begin placing your call at least 5 minutes before the conference call commences.

USA: +1-888-668-9141

Israel: 03-9180609

For those unable to listen to the live call, a replay of the call will be available from the day after the call under the investor relations section of Cimatron's website, at: http://www.cimatron.com/

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Enterprise Informatics Announces First Quarter 2008 Results

14 February 2008

Highlights:

- Revenues up 25% vs. year ago quarter
- License revenues up 64% vs. year ago quarter

Enterprise Informatics Inc. reported results of operations for its first quarter of fiscal 2008 ended December 31, 2007.

Revenues for the first quarter of FY2008 were $2.17 million versus $1.73 million in the same period a year ago. License revenue increased 64% to $640,000 for the first quarter of FY2008 from $390,000 a year ago. Earnings before interest, taxes, depreciation and amortization excluding stock compensation ("EBITDA") for the first quarter of FY2008 were a loss of ($154,000), or ($0.00) per share, compared with income of $100,000, or $0.00 per share, for the same quarter a year ago.

Net loss available to common shareholders was ($382,000) or ($0.01) per share for the first quarter of FY 2008 after cumulative preferred dividends of $66,000 versus a net loss was ($117,000), or ($0.00) per share in the prior year after cumulative preferred dividends of $66,000. The loss for the quarter includes expense of $536,000 for retention bonuses in connection with Spescom Ltd's sale in October 2007 of its majority interest in the Company to ERP2 Holdings, LLC.

"The 64% increase in license revenues for the quarter is confirmation that our customers see the value proposition we are offering to the market" stated Alan Kiraly, Chief Executive Officer. "In addition, the recently announced addition of Dominic O'Riley as Executive Vice President Worldwide Sales is in line with our plan to continue to expand our sales and partner infrastructure in an effort to accelerate our growth."

Tables are available at http://www.enterpriseinformatics.com/news/Q1%202008%20Earnings.pdf

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IQS' Record Growth for Enterprise Quality Management

14 February 2008

IQS announced record sales of its IQS Enterprise Quality and Compliance Management software for 2007. IQS posted a record growth of 40% for 2007 and anticipates increased growth for 2008 as companies turn to quality programs to reduce waste, create leaner and more competitive organizations. IQS was chosen by customers because it provides an end-to-end solution that goes beyond compliance and quality control, and actually improves the way products are delivered. In cost-sensitive economic times, solutions that solve a headline-generating business problem like quality– AND reduce costs, go to the top of buyers lists.

"IQS has been proven across many industries as a critical and strategic change-agent, not only for quality and compliance, but also providing fundamental business improvement. Quality has a direct impact on cost reduction. Our clients have repeatedly documented hard savings from reduced defects, scrap, and labor that pay for the product ten times over. In today's economy, this kind of project goes to the top of the list," says Michael Rapaport, CEO of IQS. "Our enterprise quality solution connects every division, department, team member and supplier with the real-time quality data to allow companies and their suppliers to build products right the first time, saving labor, rework and warranty costs. Our customers don't just talk about savings – they can document them."

IQS customer case studies clearly validate the efficiencies gained and costs reduced by implementing the IQS enterprise quality solution. Results include:

• Lowering PPM from 5679 to 556 in 12 months

• Reducing product rework to 2.5%

• Reducing audits from days to hours

• Saving hundreds of thousands of dollars in audit preparation costs annually

• Recovering $6M in supplier costs due to bad parts

• Taking a company from Three Sigma to Six Sigma in 12 months

IQS also grew its customer base by 38% in 2007. Quality was once considered the domain of automotive and aerospace, but in what seems an epidemic of quality issues, IQS' recent growth was lead by medical device and a wide variety of discreet manufactures. IQS has also added several pet food clients during 2007.

"Regardless of the industry or product manufactured, IQS gives companies an incredible competitive advantage in a time where product quality is highly scrutinized in the media and by customers," says Lori Gipp, VP of Marketing for IQS. "Our customers use IQS save money and reduce risk. They understand their quality processes are more manual and waste-laden than other areas that have already been automated, and smart companies see quality and compliance as a way to save money – not just a sunk cost."

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Magma Design Automation Authorizes Common Share Repurchase Program

21 February 2008

Magma® Design Automation, Inc. announced that its Board of Directors has approved a stock buy-back

program authorizing Magma to purchase up to $20 million of its common stock. Any repurchases will be done on the open market at prevailing market prices or in privately negotiated transactions from time to time based upon market and business conditions. The buy-back program may be suspended or discontinued at any time, and will be funded using Magma's available cash.

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Mentor Graphics Reports Preliminary Fiscal 2008 Annual Results

19 February 2008

In anticipation of the D.A. Davidson Electronic System Design Conference, Mentor Graphics Corporation announced preliminary fiscal 2008 annual revenue of about $860 million. On a GAAP basis, fiscal 2008 earnings are expected to be about $0.30. On a non-GAAP basis, earnings for fiscal 2008 are expected to be about $1.00.

For fiscal 2009, the company sees a softer electronics market creating a more challenging EDA spending environment at least through the first half of the year. Despite this, the company continues to believe that it is better positioned than its competition, and expects to grow faster than the industry on a revenue basis for fiscal 2009. Additionally, the company has stepped up cost control actions. As a result of both revenue growth and tightened expense control, the company expects fiscal 2009 to have modestly higher revenues than fiscal 2008 and non-GAAP earnings growth of 5% to 10% with commensurate growth in GAAP earnings.

The company emphasized that the foregoing results are preliminary and are subject to adjustments upon final closing of financial results and completion of the annual audit by independent accountants. In particular, GAAP earnings are subject to further revision pending accounting close of tax provisions. Mentor Graphics will release final fourth quarter and fiscal year 2008 results, as well as detailed guidance for fiscal 2009, after market on February 28, 2008.

Discussion of Non-GAAP Financial Measures

Mentor Graphics management evaluates and makes operating decisions using various performance measures. In addition to our GAAP results, we also consider adjusted gross margin, operating margin and net income (loss), which we refer to as non-GAAP gross margin, operating margin and net income (loss), respectively. These non-GAAP measures are derived from the revenues of our product, maintenance and services business operations and the costs directly related to the generation of those revenues, such as cost of revenue, research and development, sales and marketing and general and administrative expenses, that management considers in evaluating our ongoing core operating performance. These non-GAAP measures exclude amortization of purchased and other identified intangible assets, in-process research and development, special charges, equity plan-related compensation expenses and charges and gains which management does not consider reflective of our core operating business.

Purchased and other identified intangible assets consist primarily of purchased technology, backlog, trade names, customer relationships and employment agreements. In-process research and development charges represent products in development that had not reached technological feasibility at the time of acquisition. Special charges consist of post-acquisition rebalance costs including severance and benefits, excess facilities and asset-related charges, and also include strategic reallocations or reductions of personnel resources. Equity plan-related compensation expenses represent the fair value of all share-based payments to employees, including grants of employee stock options, as required under SFAS No.

123 (revised 2004), “Share-Based Payment” (SFAS 123R). For purposes of comparability across other periods and against other companies in our industry, non-GAAP net income (loss) is adjusted by the amount of additional taxes or tax benefit that we would accrue using a normalized effective tax rate applied to the non-GAAP results.

In certain instances our GAAP results of operations may not be profitable when our corresponding non-GAAP results are profitable or vice versa. The number of shares on which our non-GAAP EPS is calculated may therefore differ from the GAAP presentation due to the anti-dilutive effect of stock options in a loss situation.

Non-GAAP gross margin, operating margin and net income (loss) are supplemental measures of our performance that are not required by, or presented in accordance with, GAAP. Moreover, they should not be considered as an alternative to any performance measure derived in accordance with GAAP, or as an alternative to cash flow from operating activities as a measure of our liquidity. We present non-GAAP gross margin, operating margin and net income (loss) because we consider them to be important supplemental measures of our operating performance and profitability trends, and because we believe they give investors useful information on period-to-period performance as evaluated by management.

Management excludes from our non-GAAP measures certain recurring items to facilitate its review of the comparability of our core operating performance on a period-to-period basis because such items are not related to our ongoing core operating performance as viewed by management. Management considers our core operating performance to be that which can be affected by our managers in any particular period through their management of the resources that affect our underlying revenue and profit generating operations during that period. Management uses this view of our operating performance for purposes of comparison with our business plan and individual operating budgets and allocation of resources. Additionally, when evaluating potential acquisitions, management excludes the items described above from its consideration of target performance and valuation. More specifically management adjusts for the excluded items for the following reasons:

• Amortization charges for our purchased and other identified intangible assets are inconsistent in amount and frequency and are significantly impacted by the timing and magnitude of our acquisition transactions. We therefore consider our operating results without these charges when evaluating our core performance. Generally, the most significant impact to inter-period comparability of our net income (loss) is in the first twelve months following an acquisition. • Special charges are primarily severance related and are due to our reallocation or reduction of personnel resources driven by modifications of business strategy or business emphasis and by assimilation of acquired businesses. These costs are originated based on the particular facts and circumstances of business decisions and can vary in size. Special charges also include excess facility and asset-related restructuring charges. These charges are not specifically included in our annual operating plan and related budget due to the rapidly changing technology and competitive environment in our industry. We therefore exclude them when evaluating our managers' performance internally.

• In-process research and development charges are largely disregarded as acquisition decisions are made, since they often result in charges that vary significantly in size and amount. Management excludes these charges when evaluating the impact of an acquisition transaction and our ongoing performance.

• Management supplementally considers performance without the impact of equity plan-related compensation charges and believes this information is useful to investors to compare our performance to the performance of other companies in our industry who present non-GAAP results adjusted to exclude stock compensation expense. We view equity plan-related compensation as a key element of our

employee retention and long-term incentives, not as an expense that should be an element of evaluating core operations in any given period. We therefore exclude these charges for purposes of evaluating our core performance.

• Income tax expense (benefit) is adjusted by the amount of additional tax expense or benefit that we would accrue if we used non-GAAP results instead of GAAP results in the calculation of our tax liability, taking into consideration our long-term tax structure. We use a normalized effective tax rate of 17%, which reflects the weighted average tax rate applicable under the various tax jurisdictions in which we operate. This non-GAAP weighted average tax rate is subject to change over time for various reasons, including changes in the geographic business mix and changes in statutory tax rates. The GAAP tax rate considers certain mandatory and other non-scalable tax costs which may adversely or beneficially affect our tax rate depending upon our level of profitability.

Non-GAAP net income (loss) also facilitates comparison with other companies in our industry, which use similar financial measures to supplement their GAAP results. However, non-GAAP net income (loss) has limitations as an analytical tool, and you should not consider this measure in isolation or as a substitute for analysis of our results as reported under GAAP. In the future we expect to continue to incur expenses similar to the non-GAAP adjustments described above and exclusion of these items in our non-GAAP presentation should not be construed as an inference that these costs are unusual, infrequent or nonrecurring.

Some of the limitations in relying on non-GAAP net income (loss) are:

• Amortization of purchased intangibles, though not directly affecting our current cash position, represents the loss in value as the technology in our industry evolves, is advanced or is replaced over time. The expense associated with this loss in value is not included in the non-GAAP net income (loss) presentation and therefore does not reflect the full economic effect of the ongoing cost of maintaining our current technological position in our competitive industry, which is addressed through our research and development program.

• We regularly engage in acquisition and assimilation activities as part of our ongoing business and therefore we will continue to experience special charges and merger and acquisition charges on a regular basis. These costs also directly impact our available funds.

• Our stock option and stock purchase plans are important components of our incentive compensation arrangements and will be reflected as expenses in our GAAP results for the foreseeable future under SFAS 123R.

• Our income tax expense (benefit) will be ultimately based on our GAAP taxable income and actual tax rates in effect, which often differ significantly from the 17% rate assumed in our non-GAAP presentation.

• Other companies, including other companies in our industry, may calculate non-GAAP net income (loss) differently than we do, limiting its usefulness as a comparative measure.

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MSC.Software Reports Financial Results for the Fourth Quarter and Year Ended December 31, 2007

21 February 2008

MSC.Software Corporation reported results for the fourth quarter and year ended December 31, 2007.

Financial highlights include the following:

Fourth quarter:

-- Total fourth quarter revenue of $71.1 million, an increase of 7.7% over the fourth quarter last year,

-- Fourth quarter revenue in the Americas of $22.0 million, an increase of 24% over the fourth quarter last year,

-- Fourth quarter operating loss of $1.2 million, which includes restructuring charges of $0.4 million and impairment charges totaling $4.3 million.

Full Year:

-- 2007 total revenue of $246.7 million versus $259.7 million last year, a decrease of 5% when compared to last years results,

-- 2007 operating loss of $10.3 million, which includes restructuring charges of $8.5 million and impairment charges of $4.8 million, versus operating income of $4.7 million in 2006,

-- 2007 EPS from continuing operations of ($0.06) per diluted shares versus $0.31 per diluted share last year,

-- Cash and investments at December 31, 2007 totaled $135.0 million versus $126.0 million at December 31, 2006 and deferred revenue grew 3% to $80.6 million at December 31, 2007 from $78.2 million at December 31, 2006.

REVENUE

Total revenue for the fourth quarter ended December 31, 2007 was $71.1 million compared to $66.0 million for the fourth quarter in 2006. Software revenue for the fourth quarter totaled $28.8 million compared to $27.9 million for the fourth quarter in 2006. For the fourth quarter ended December 31, 2007, maintenance revenue totaled $33.3 million and services revenue totaled $9.0 million, compared to $29.4 million of maintenance revenue and $8.7 million of services revenue for the fourth quarter in 2006.

Total revenue for the year ended December 31, 2007 was $246.7 million compared to $259.7 million last year. Software revenue for 2007 totaled $94.7 million compared to $111.2 million for 2006. For the year ended December 31, 2007 maintenance revenue totaled $125.5 million and services revenue totaled $26.4 million, compared to $115.1 million of maintenance revenue and $33.3 million of services revenue for 2006. Fiscal year 2006 included $2.4 million of non-recurring PLM revenue of which $1.3 million was software and $1.1 million was services revenue.

"We believe that MSC's solid performance in the fourth quarter, particularly in the Americas, is a positive sign indicating that we are in the final stages of completing our company transition," said Bill Weyand, CEO and Chairman of MSC.Software. "In the fourth quarter we saw strength in both our engineering tools and our enterprise solutions product categories as well as in our key industry verticals of aerospace and automotive."

"We believe that MSC has the key business drivers for success in 2008. Our innovative Simulation Enterprise and MD product line introductions should continue to provide us with a first mover advantage in the simulation software marketplace. Further, as we launch a new product cycle with the R3 versions of our enterprise simulation products, we expect to see increased customer acceptance and transaction activity," continued Mr. Weyand.

REVENUE BY GEOGRAPHY

Total revenue in the Americas for the fourth quarter and year ended December 31, 2007 was $22.0 million and $75.3 million, respectively, compared to $17.7 million and $75.7 million for the same periods last year. Total revenue in EMEA for the fourth quarter and year ended December 31, 2007 was $30.0 million and $95.9 million, respectively, compared to $28.5 million and $103.5 million for the same periods last year. Changes in the Euro dollar increased EMEA revenue during 2007 by $8.2 million. In the Asia Pacific region, revenue for the fourth quarter and year ended December 31, 2007 totaled $19.1 million and $75.5 million, respectively, compared to $19.8 million and $80.5 million for the same periods last year. Changes in the Japanese Yen decreased Asia Pacific revenue during 2007 by $1.0 million.

RESULTS OF OPERATIONS AND EPS

Total operating expenses for the fourth quarter and year ended December 31, 2007 were $59.1 million and $210.7 million, respectively, compared to $54.4 million and $196.9 million for the same periods last year. Operating loss for the fourth quarter was $1.2 million and for the year end was $10.3 million, compared to an operating loss of $0.9 million and operating income of $4.7 million for the fourth quarter and year ended December 31, 2006. The operating loss for the year ended December 31, 2007 included a restructuring charge of $8.5 million and impairment charge of $4.8 million.

For the fourth quarter ended December 31, 2007, income from continuing operations totaled $2.3 million or $0.05 per diluted share, compared to income from continuing operations of $11.2 million or $0.25 per diluted share for the fourth quarter last year. For the year ended December 31, 2007, loss from continuing operations totaled $2.6 million or ($0.06) per diluted share, compared to income from continuing operations of $13.3 million or $0.31 per diluted share for FY 2006. Other income, net, in the fourth quarter and for 2007, included a gain on the sale of securities of $6.8 million.

GUIDANCE

At this time the Company will not issue guidance. The Company will continue to evaluate its decision to provide guidance in the future.

CONFERENCE CALL

The Company will host a conference call to discuss the fourth quarter financial results today at 1:30 pm pacific (4:30 pm eastern). The fourth quarter conference call will include a slide presentation that can be downloaded at: http://www.mscsoftware.com/ir/.

An archived version of the conference call will be available at http://www.mscsoftware.com/ir/. The teleconference replay will be available for 48 hours and can be accessed by dialing in to: U.S. (800) 642-1687 or Intl. (706) 645-9291 using the conference ID code: 30449559.

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Synopsys Posts Financial Results for First Quarter Fiscal Year 2008

20 February 2008

Synopsys, Inc. reported results for its first quarter ended January 31, 2008.

For the first quarter, Synopsys reported revenue of $315.5 million, a 5.1 percent increase compared to

$300.2 million for the first quarter of fiscal 2007.

"We exit the first quarter with our year solidly on track in terms of revenue and earnings growth, operating margin expansion, an excellent balance sheet, and advanced technology," said Aart de Geus, chairman and CEO of Synopsys. "And with more than 90 percent of our revenue under time-based licenses, we adhered strongly to our predictable business model."

GAAP Results

On a generally accepted accounting principles (GAAP) basis, net income for the first quarter of fiscal 2008 was $46.4 million, or $0.31 per share, compared to $23.4 million, or $0.16 per share, for the first quarter of fiscal 2007.

Non-GAAP Results

On a non-GAAP basis, net income for the first quarter of fiscal 2008 was $66.0 million, or $0.44 per share, compared to non-GAAP net income of $44.0 million, or $0.30 per share, for the first quarter of fiscal 2007.

Non-GAAP net income consists of GAAP net income excluding employee share-based compensation expense calculated in accordance with FAS 123® and, to the extent incurred in a particular quarter or period, amortization of intangible assets, in-process research and development charges, integration and other acquisition-related expenses, facilities and workforce realignment charges, and other significant items which, in the opinion of management, are infrequent or non-recurring. See "GAAP Reconciliation" below.

Financial Targets

Synopsys also provided its operating model targets for the second quarter and full fiscal year 2008. These targets constitute forward-looking information and are based on current expectations. For a discussion of factors that could cause actual results to differ materially from these targets, see "Forward-Looking Statements" below.

Second Quarter of Fiscal Year 2008 Targets:

* Revenue: $317 million - $325 million

* GAAP expenses: $269 million - $283 million

* Non-GAAP expenses: $242 million - $252 million

* Other income and expense: $0 - $4 million

* Tax rate applied in non-GAAP net income calculations: 26 - 27 percent

* Fully diluted outstanding shares: 145 million - 150 million

* GAAP earnings per share: $0.22 - $0.26

* Non-GAAP earnings per share: $0.37 - $0.39

* Revenue from backlog: greater than 90 percent

Full Fiscal Year 2008 Targets:

* Revenue: $1.300 billion - $1.315 billion

* Tax rate applied in non-GAAP net income calculations: 26 - 27 percent

* Fully diluted outstanding shares: 145 million - 150 million

* GAAP earnings per share: $1.03 - $1.12

* Non-GAAP earnings per share: $1.56 - $1.61

* Cash flow from operations: greater than $325 million

GAAP Reconciliation

Synopsys' management evaluates and makes decisions about the Company's business operations primarily based on the bookings, revenue, and direct, ongoing and recurring costs of those operations. Management does not believe amortization of intangible assets, in-process research and development charges, integration and other acquisition-related expenses, facilities and workforce realignment charges and other significant infrequent items are ongoing and recurring operating costs of its core software, intellectual property and service business operations. In addition, while employee share-based compensation expense calculated in accordance with FAS 123® and change in the fair value of the Company's non-qualified deferred compensation plan obligations constitute ongoing and recurring expenses of the Company, such expenses are excluded from non-GAAP results because they are not expenses that require cash settlement by the Company and because such expenses are not used by management to assess the core performance of the Company's business operations. Therefore, management excludes such costs, to the extent incurred in a particular quarter, from the following historical and targeted GAAP financial measures included in this earnings release: total cost of revenue, gross margin, total operating expenses, operating income, income before provision (benefit) for income taxes, provision (benefit) for income taxes, net income and net income per share.

For each such measure, excluding these costs provides management with more consistent, comparable information about the Company's core performance. For example, since the Company does not acquire businesses on a predictable cycle, management would have difficulty evaluating the Company's performance as measured by gross margin, operating margin, income before taxes and net income on a period-to-period basis unless it excluded acquisition-related charges. Similarly, the Company does not undertake significant restructuring or realignments on a regular basis, and, as a result, excludes associated charges in order to enable better and more consistent evaluations of the Company's operating expenses before and after such actions are taken. Management also uses these measures to help it make budgeting decisions, for example, as between product development expenses (which affect cost of revenue and gross margin) and research and development, sales and marketing and general and administrative expenses (which affect operating expenses and operating margin). Finally, the availability of such information helps management track performance to both internal and externally communicated financial targets and to its competitors' operating results.

Management recognizes that the use of these non-GAAP measures has certain limitations, including the fact that management must exercise judgment in determining whether certain types of charges, such as those relating to workforce reductions executed in the ordinary course, should be excluded from non-GAAP results. However, management believes that, although it is important for investors to understand GAAP measures, providing investors with these non-GAAP measures gives them additional important information to enable them to assess, in a way management assesses, Synopsys' current and future continuing operations.

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Valor Concludes 2007 with Record Revenues of $42M

18 February 2008

Valor Computerized Systems Ltd. announced its financial results for the year ended December 31, 2007.

Revenues in 2007 accumulated to $42 Million, an increase of 14% as compared to $36.7 Million in 2006. Revenues in the fourth quarter of 2007 accumulated to $10.6 Million, an increase of 6% as compared to $10 Million in the parallel period of the previous year.

The net profit in the fourth quarter of 2007 was $0.8 Million, and $3 Million in total in 2007.

EBITDA accumulated to $1.2 Million in Q4/07, a decrease of 10% as compared to Q4/2006, and $4.7 Million in the year 2007, a result similar to that of the year 2006.

Earnings per Share (diluted) in the fourth quarter of 2007 were $0.04, same as in the fourth quarter of 2006.

Summary of Financial Data:

Some of the following statements are forward-looking in nature, and actual results may differ materially:

"2007 was a successful year for Valor - a year in which our revenues grew by 14%." said Ofer Shofman, Valor's President and CEO. "We started the year with the launch of new products which were well accepted by the industry and won multiple awards for innovation, and continued with the expansion of our strategic sales channels in both the Design and the Assembly (MES) markets."

"We signed our first OEM agreement this year with Universal Instruments, and are working to sign additional similar agreements during the coming year," Shofman elaborated. "Such agreements diversify and expand our strategic sales channels, and are expected to help the company achieve significant growth in the Assembly market, including the MES and Process Engineering segments."

"In addition," said Shofman, "we signed several partnership agreements with various distributors in Europe and North America, including some of the largest EDA solution distributors in those regions. Our intention is to continue and grow our channels in all regions including China."

"As for 2008," said Shofman, "we continue to make a significant investment in research and development in all market segments and especially in the MES arena where we see a lot of potential. We are planning to launch additional new products during 2008, which, we believe, will affect the way electronics manufacturers manage their operations."

"Overall, we are pleased with the annual results and are working hard to continue along the same path." Shofman concluded.

The complete financial report can be downloaded from the Investor Relations Section on the Valor corporate website: http://www.valor.com/

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Visiprise Exceeds 2007 Objectives

20 February 2008

Visiprise, Inc. announced that the company surpassed financial expectations in 2007, increasing license revenue by approximately 50% from 2006. The company also reached significant milestones by launching two new product releases while adding nine new customers and more than 40 new

deployments around the globe.

"2007 saw significant achievements for Visiprise," said Sean McCloskey, president and CEO, Visiprise. "Since our formation in early 2003, our revenue has increased by approximately 520%, making us the leader in the MES industry. We have expanded our employee base by approximately 465%, improving our capabilities to deliver our vision of integrated MES to our global customers and set the standard for the industry."

Customer Growth and Services

During 2007 Visiprise continued to deliver industry-intelligent MES solutions, services and support to manufacturers, increasing its customer base with the addition of new customers from aerospace & defense, high tech, medical device, automotive and industrial machinery & components (IM&C) industries. A couple of new Visiprise customers include Bartolini After Market Services and Vacon. Visiprise also supported the expansion of solutions and services around the globe, completing 40 services projects and launching more than 30 new implementations in North America, Europe and Asia.

Partnership Expansion

The Visiprise and SAP partnership continued to expand following a successful completion of SAP's solution certification process. SAP announced in June that it had entered into an agreement with Visiprise to resell and market Visiprise Manufacturing under the name "SAP® Manufacturing Execution by Visiprise." As a result, Visiprise Manufacturing is currently the only SAP-validated MES solution available to discrete manufacturers.

Other 2007 partnership milestones include signed global agreements with Dassault Systemes, Tata Consultancy Services and HCL Technologies.

Product Development

In 2007 Visiprise announced the general availability of Visiprise Manufacturing 5.0, which expanded the Visiprise Manufacturing platform to address complex assembly manufacturing. The release marks the first time a single MES environment is available to support multi-mode manufacturing operations for discrete manufacturers.

"Visiprise Manufacturing 5.0 provides new functional, technical and usability enhancements that expand into the complex assembly environment as well as new enhancements for high volume manufacturing environments, making it possible for manufacturers to manage multi-mode manufacturing with one MES solution." said Mike Lackey, vice president industry business units for Visiprise.

Visiprise also announced the availability of Visiprise Quality Management 2.4, introducing a complete tool nonconformance capture and enhanced data segmentation that allows manufacturers to reduce nonconformance cycle times while increasing shop throughput.

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Implementation Investments

Accent Uses Cadence Low-Power Solution for Fast, Accurate Tapeout of Low-Power Production Design

20 February 2008

Cadence Design Systems, Inc. and Accent S.A., a leading SoC (System on Chip) silicon solution provider, announced that Accent has successfully taped out a low-power RFID application design using the Common Power Format (CPF)-based Cadence® Low-Power Solution. The complex power strategy was captured in CPF, which was used both in the front-end and back-end implementation. The use of CPF allowed Accent to preserve power intent throughout the design flow, cut down costly iteration between front-end design and implementation, and assist in unambiguously implementing the design.

"We are delighted to work with Cadence to enable first-time-right silicon solutions for our customers. We would not have achieved on-schedule tapeout of this complex low-power chip without using CPF and the CPF-based Low-Power Solution from Cadence," said Federico Arcelli, CEO of Accent. "Our customer handed-off CPF for the design along with the RTL after verification. We could do the complete implementation of the design without ever going back to the customer for any clarification."

The chip employed ARM libraries and was produced at Chartered Semiconductor. It featured more than 10 power domains for aggressive power reduction. This power intent was captured using CPF, which was used as a hand-off to the implementation. Using the Cadence Low-Power Solution, Accent was able to tape out the customer's design using the same power-intent file. This allowed Accent to avoid costly iteration in understanding the power intent and avoid errors in the implementation phase, which was key to the quick and successful completion of the design.

"The industry-wide collaborative efforts to automate advanced low-power designs with the Common Power Format have resulted in silicon successes around the world. This tapeout is yet another successful example of the effectiveness of the CPF-based Low-Power Solution," said Dr. Chi-Ping Hsu, corporate vice president, Power Forward and general manager of IC Digital at Cadence. "Customers like Accent are seeing huge productivity benefits and reduced risks with aggressive power strategies using a CPF-based flow."

The Cadence Low-Power Solution is the industry's first complete flow, which integrates logic design, verification, and implementation technologies with the Common Power Format. Available now, it is already proven on multiple tapeouts and multiple applications. Designers have realized a 2 times productivity increase with an average of 40 percent power savings using this flow.

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Berkeley Design Automation Analog FastSPICE™ Selected by Next-Generation Japanese Supercomputer Project for 45nm Verification

20 February 2008

Berkeley Design Automation Inc., provider of Precision Circuit Analysis™ technology for advanced analog and RF integrated circuits (ICs), announced that the company's Analog FastSPICE™ circuit simulator has been selected for complex analog and mixed-signal block verification in a next-generation 45nm supercomputer chip developed by the University of Tokyo and RIKEN.

“Berkeley Design Automation verification tools are critical to the success of our next generation 45nm supercomputer project,” said Professor Takashi Ikegami of the University of Tokyo. “Analog FastSPICE delivered accuracy that is as good or better than traditional SPICE 5x-10x faster on our complex analog and mixed-signal blocks. Since we cannot rely on digital fastSPICE approximations for these designs, Analog FastSPICE enables us to perform verification tasks that were previously impossible."

“Analog FastSPICE is allowing us to verify our analog and mixed-signal blocks faster than we thought

possible," said Duraid Madina, also of the University of Tokyo. "Analog FastSPICE is not only faster and more accurate than our other SPICE tools – it is faster than digital fastSPICE tools that cannot handle our mixed-signal designs. In our testing, Analog FastSPICE was often 10x faster than the best traditional SPICE, while giving identical results. We never observed a difference greater than 0.15%."

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

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

"We are delighted and honored to be selected by the consortium as the circuit simulator of choice for the 45nm MDGRAPE-4 supercomputing chip," said Ravi Subramanian, president and CEO of Berkeley Design Automation. "Our selection by this distinguished team is once again proof that Berkeley Design Automation's Precision Circuit Analysis™ technology is essential for success in nanometer analog/RF design."

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Buell Motorcycle Company Works with thinkID on Innovative 1125R Sportbike Design

18 February 2008

Buell Motorcycle Company, a subsidiary of Harley-Davidson, Inc., continued its winning ways in the high performance superbike market thanks to the release in November 2007 of the new 1125R, designed with thinkID.

Headquartered in East Troy, Wisconsin, USA, the company has been using think3's thinkdesign (CAD) and thinkteam (PDM) solutions to automate and optimize their product development process since 1998.

For the creation of the new 1125R, Buell extended their partnership with think3 and adopted thinkID, think3's styling solution, which ensures maximum design creativity.

"We wanted to create a radically new motorbike focusing on power, maneuverability and agility for a unique riding experience," said Erik Buell, Chairman and Chief Technical Officer, Buell Motorcycle Company. "thinkID helped us in meeting this challenge. think3's Global Shape Modeling (GSM3) technology allowed us to carry out accurate changes in a quick and automated way, at different stages of the product development process, while preserving the original design intent and reducing production time. With thinkID, we could meet our objectives within the planned timeframe, presenting an innovative sportbike with a unique design that combines an aggressive style with excellent performance."

The 1125R leads with an all-new front fairing and radiator cowling for superior aerodynamics, and its new 1125cc DOHC V-Twin Helicon engine is the first liquid-cooled engine to power a street-legal Buell motorcycle.

The multi-year cooperation between think3, Inc., and an innovative manufacturer like Buell Motorcycle Company is a testament to the value and innovation provided by think3's solutions.

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Delcam's FeatureCAM is the Key to Staying in Business

22 February 2008

"Delcam's FeatureCAM CAM software is one of the reasons I am still in business," said Jerry Piesch, owner of Innovation Alloy, a family-owned CNC machine shop south of Bakersfield, California. "It allows me to spend more time in the shop making parts than in the office scratching my head figuring out how to make a part."

Equipped with Fadal mills and a Haas SL20 turning machine, Innovation Alloy takes all kinds of precision machining jobs from aftermarket motorcycle parts and catalytic converter dies, to castings and guitar parts. When Mr. Piesch started his business in 1996, he bought a Bridgeport 3-axis mill, which came with an early version of FeatureCAM 2D. He soon upgraded to the 3D version and hasn't looked back since. "I'm so used to using FeatureCAM now that I never have any doubt that the part is going to turn out well," he claimed.

Mr. Piesch reported that the software saves him hours of programming time for each part file that comes in the door. "It makes the creation and editing of toolpaths for any CNC machine quicker, easier and more flexible, which is a big help to us," he said. Plus, the machining results often exceed customer requirements because of the reliability of the software.

"One of my customers uses us to make their catalytic converters in various sizes," Mr. Piesch said. "When they send over their solid model part file, I import it and choose only those sections of the part file I need to adapt for that order; I already have the basic part design file in FeatureCAM. This avoids the need to create a completely new part program for each different order, cutting programming time to a fraction of the time that would otherwise be needed."

Solid modelling in FeatureCAM is also very helpful to Mr. Piesch. He likes to be able to create and review the fixture design along with the part. In this way, he can see what the part should look like and how it is going to machine before the cycle starts, and so avoid any potential errors on the machine.

"I have used FeatureCAM for so long and it makes programming so easy, that I believe I've lost the ability to go in and use the machine software to create part programs," Mr. Piesch admitted. "Even for a small detail like a hole, I'll program in FeatureCAM, not the machine software, because it generates very quickly a program I can rely on absolutely."

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German Air Traffic Control Opts for CIM DATABASE; PLM-Platform Utilized for Configuration Management

18 February 2008

DFS Deutsche Flugsicherung GmbH (German air traffic control authority), responsible for air traffic control in Germany, has assigned CONTACT Software to implement a configuration management solution based on its CIM DATABASE technology. Objective is the optimized registration and administration of configuration data of all deployed ATC systems, covering both the controller's

installed hard and software and the accompanying documentation. Modifications of an initially supplied product configuration - such as component exchange or updates – can thus be readily monitored throughout the complete lifecycle of an ATC system. The DFS will in future be able to retrieve any current configuration status with the proverbial „push of a button“. The novel configuration management solution will initially be tested at Karlsruhe's Control Centre, prior to installation in all other DFS control centres.

DFS Deutsche Flugsicherung GmbH is a public company with all shares held by the Federal Republic. Its 5200 employees daily control some 9.000 flights within German air space, making it the busiest within Europe. In 2007, DFS recorded more than three million controlled flights, a new record in comparison to previous years. DFS operates control centres in Langen, Bremen, Karlsruhe and Munich. It is also represented in the Eurocontrol centre in Maastricht and in the control towers of all 17 international German airports.

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Leviton Flips Switch on Innovative Design with SolidWorks

19 February 2008

The White House, a Napa Valley winery, an oil rig in Canada and 90 percent of the homes in the U.S. all use electrical wiring devices from Leviton, North America’s largest manufacturer of electrical and electronic wiring devices. The company has purchased 300 licenses of SolidWorks® 3D CAD software to speed product development and improve global collaboration as it continues to strengthen its market leadership.

Based in Little Neck, N.Y., Leviton began as a two-person operation providing tip mantles (devices which produce light) for gas lamps in 1906. Since then, it has expanded its product set to more than 25,000 unique items made in plants in the U.S., China, and Mexico and distributed in more than 100 countries. It sells everything from decorative wall-mounted light switches to commercial lighting systems, industrial cameras, speakers, relays, and uninterruptible power supplies.

“We’re dealing with 25,000 different SKUs in a fiercely competitive market,” said Scot Hale, senior manager of engineering service at Leviton. “We could no longer endure the delays of trying to modify master files, which were mostly in 2D because the software couldn’t handle the changes in 3D. SolidWorks will make engineering changes fast, easy, and accurate, which will help us deliver more innovative products faster to market.”

Integrated design and analysis

The nature of electrical plugs, outlets, and other close-fit components mandates exact tolerances. Previously, Leviton had to outsource much of its design analysis to ensure accuracy. COSMOSWorks will enable the company to keep more product development in-house because engineers will be able to see precise fits within the design window. “We wanted an FEA tool that engineers could use on their desktops without having to work in two disconnected applications. SolidWorks and COSMOSWorks fit the bill,” said Hale.

Leviton plans to improve internal collaboration with PDMWorks Enterprise, which will enable engineers around the world to access the latest versions of every product design, work concurrently on the same designs, and ensure version control. Engineers will also more easily share design information with sales, marketing, scheduling, billing, and other operations when Leviton integrates PDMWorks

Enterprise with its Oracle database.

Leviton will also improve collaboration with customers, partners, suppliers, and others using SolidWorks' eDrawings® design communication tool. eDrawings allows users to send design files in e-mails that recipients can open, view, rotate, pan, and manipulate as if they were holding the drawing in their hands.

"It will be great to work with a component development tool that is an industry standard," said Hale. "Working in native file formats with vendors is not something we've been able to do very often."

Hale also expects to take advantage of SolidWorks' tool and die manufacturing partners to help further streamline production.

"Leviton's customers demand performance, durability, and increasingly, aesthetic flair," said Jeff Ray, SolidWorks CEO. "Selecting SolidWorks reinforces the company's century-long commitment to innovating better products that meet the needs of its customers, be they commercial building managers looking for sophisticated lighting systems or homeowners who want sleek light controls."

Leviton relies on authorized SolidWorks reseller Cimquest for ongoing software training, implementation, and support.

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Lockheed Martin Unit Selects PTC® Product Development System

19 February 2008

PTC announced that Lockheed Martin's Electronic Systems has selected Windchill®, PTC's Product Lifecycle Management solution, to replace its multiple legacy product data management systems. Windchill will allow Electronic Systems to move toward a consolidated technology platform for managing all critical product information. Electronic Systems is one of Lockheed Martin's four business areas.

Lockheed Martin Electronic Systems will use Windchill to support change and configuration management in the production of key military systems and to smooth the IT consolidation among its multiple lines of business. Additionally, Windchill will enable Electronic Systems to share design details early in the design process to better inform its decision makers and to provide visibility and traceability during the entire development effort.

In addition to Windchill, Lockheed uses other products within the PTC Product Development System (PDS), including Pro/ENGINEER® for digital product designs, Mathcad® for engineering calculations and Arbortext® for dynamic publishing.

"We are pleased to provide Lockheed Martin Electronic Systems with a single technology platform," said C. Richard Harrison, president and chief executive officer, PTC. "Lockheed Martin has long recognized the value of optimizing business-critical product development processes like a well-defined and orderly process for controlling changes to product configurations. We look forward to helping them realize the value that the PTC Product Development System can bring to their PLM deployment."

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MSC.Software's Enterprise Simulation Solutions Enters Agreement With the Boeing Company

21 February 2008

MSC.Software announced that The Boeing Company has entered into a new multiyear agreement under which they will leverage MSC.Software's new Enterprise Advantage system for flexible access to next generation simulation technology and solutions across the Boeing enterprise. Boeing has been a pioneer in recognizing the tremendous opportunities of enterprise simulation and was the first company to sign a Strategic Alliance Partnership, an MSC.Software sponsored initiative. This new agreement builds upon the existing environment, guarantees continued access to the solutions already in place, and adds new technology from MSC.Software's SimEnterprise solutions including the company's new multi-discipline solver technology, SimXpert for advanced simulation templating and SimManager for process management.

"The Boeing Company consistently strives to translate technological innovation into product innovation that positively influences both our customers and business value," said Carol Pittman, Director of Information Technology (IT) for Engineering Systems and the Boeing Executive IT sponsor for the MSC partnership. "We believe MSC.Software's Enterprise Simulation Solutions will help enable this innovation as we deploy the new technology."

"We are pleased that major aerospace manufacturers like Boeing are increasingly adopting MSC.Software's next generation enterprise simulation initiative and the associated new product portfolio," said Bill Weyand, chief executive officer for MSC.Software. "With MD Nastran and SimEnterprise, MSC.Software is driving a new way of developing and managing simulation which will increase productivity gains as well, drive first to market and right to market, and positively impact the overall bottom line."

"By aligning closely with forward looking customers like Boeing and understanding their technology and business needs, we are able to drive the content of MD and SimEnterprise in direct response to those needs," said Glenn Wienkoop, president of MSC.Software. "This commitment is an excellent example of a long term customer relationship that continues to evolve toward mutual success as MSC.Software drives technology to satisfy Boeing requirements as generally representative of the aerospace market."

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Railroad Service Provider Selects IFS Applications to Replace Numerous Legacy Systems

18 February 2008

IFS announced that Loram Maintenance of Way, Inc. of Hamel, Minn., has selected IFS Applications to replace its 19-year-old material requirements planning (MRP) system.

Loram, a 700-employee maintenance equipment and services provider to the railroad industry, chose to implement IFS Applications to reduce the number of legacy systems and the exorbitant costs associated with maintaining the connections between them. After thorough review of the marketplace, IFS Applications was chosen because of its strong focus on engineer-to-order (ETO) for the mid-market and its proven maintenance, repair, and overhaul (MRO) solution for fleets.

“We are currently running multiple legacy systems, including a clumsy Computerized Maintenance Management System (CMMS) that is difficult to use and expensive to maintain,” Loram Maintenance of Way, Inc. Chief Financial Officer Don Cherrey said. “We realized that our 19-year-old MRP system was outdated, and we needed to replace it with a more sophisticated and reliable solution to improve our

bottom line."

"At IFS, we've been developing applications for complex engineered products for over 20 years," IFS North America President and CEO Cindy Jaudon said. "We offer the expertise and the industry-specific tools to help engineer-to-order and project-oriented manufacturers become leaner, more agile, and better equipped to deliver their products on budget, on time, every time."

The Construction, Contracting and Service Management industry is one of IFS' targeted vertical market segments. The company offers a complete and integrated business solution that manages the entire lifecycle of contracts, projects, assets and services. With IFS Applications, companies can support and improve business processes by collaborating more closely with suppliers, subcontractors, operators and customers. IFS Applications includes functionality for contract and project management, risk management, budgeting and forecasting, engineering and manufacturing, supply chain management, document management and service and maintenance management all integrated with financials and HR. Existing IFS customers in the Oil and Gas segment are represented as EPCI contractors, Service Providers and Project Based Manufactures and include Fabcon, Chief Industries, Cosalt International, Rosenberg Verft, NCA, Doosan Babcock, SeaDrill, Greenland Group and Heerema Group.

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SofTech's ProductCenter PLM Deployed by Cryogenic Industries

20 February 2008

SofTech, Inc. announced that its ProductCenter™ PLM solution has been deployed at several Cryogenic Industries (CI) companies, including Cryoquip, ACD, Cosmodyne and Wittemann. The Cryogenic Industries group of companies are industry leaders in cryogenic gas processing and transfer equipment.

Before ProductCenter was implemented, product data was managed by standard network technology where various drives were utilized to store data and rights were granted according to business division. There were many costly disadvantages to this data management structure in terms of time, productivity, and lack of controls. Upon recognition of how these practices were impeding the progress of the business as a whole, support for a PLM solution search took shape. "After completion of a successful pilot, ProductCenter PLM was ultimately selected for SofTech's support and cooperation as well as the performance and flexibility of the application," states Ted Pardo Jr., Manager of Information Technology at Cryoquip and ProductCenter Project Lead for Cryogenic Industries.

Phase one of the ProductCenter implementation began with the migration of all Engineering related data into a centralized environment. ProductCenter provided immediate results with improved product data management, and streamlined global data access and collaboration across the Cryogenic enterprise. "ProductCenter was implemented to control Cryogenic's intellectual property (IP) which is documented through our product engineering drawings. ProductCenter has allowed us to inject a measure of credibility and reliability into our IP that we had not experienced before. One might say that if it's not in ProductCenter then we don't need it," explains Pardo.

ProductCenter continues to be expanded with a recent deployment to an engineering design services group based in India. Project rollout plans for follow-on phases include improved business operations and process improvements using the ProductCenter Workflow module followed by an integration to the corporate ERP system. Pardo adds, "We are looking to ProductCenter to increase visibility, accessibility and security. Cryogenic Industries views ProductCenter not just as an Engineering solution but as a global business solution that proves to be a tremendous benefit to our company's success."

About Cryogenic Industries

Cryogenic Industries consists of a group of affiliated companies engaged in engineering, manufacturing and servicing equipment for the industrial gas and other industries worldwide. From air separation units, LNG liquefiers, vaporizers, heat exchangers and food freezers to cryogenic liquid samplers, reciprocating and centrifugal pumps, turbo- expanders, and CO2 generators and recovery equipment, Cryogenic Industries leads the industry in cryogenic gas handling, transporting and process equipment.

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Product News

Ansoft Releases Q3D Extractor v8

22 February 2008

Ansoft Corporation announced Q3D Extractor® v8, the latest version of the company's 3D parasitic extraction software. Q3D Extractor efficiently performs both the 2D and 3D electromagnetic field simulation required to extract RLCG parameters from an interconnect structure and automatically generates an equivalent SPICE circuit model for use in Nexxim®, the company's high-capacity circuit simulator, or other Berkeley SPICE-compatible tools. These models provide an EM-based design synthesis solution for on-chip passives and speed the design and optimization of high-performance structures in order to achieve first-pass timing closure.

Q3D Extractor v8 includes a new capacitance solver that is capable of extracting the capacitance and conductance with lossy dielectrics. This new solver is optimized to exploit available computer memory and perform multiple frequency evaluations and allows users to model infinite ground planes.

Additionally, the Ansoft next-generation desktop architecture has been added to the 2D extractor tool. This intuitive, easy-to-use interface offers many new usability enhancements, including the ability to perform discrete and interpolating frequency sweeps, simplified problem setup, fully scriptable report editor, enhanced post-processing and advanced product coupling capability with Nexxim and Simplorer®, Ansoft's multi-domain system simulation software.

Engineers use Q3D Extractor to understand the performance of high-speed electronic designs and perform signal integrity analysis, including crosstalk, ground bounce, interconnect delays and ringing analyses. Additionally, Q3D Extractor is combined with Simplorer in high-power applications where users extract parasitics from cables and bus bars to predict EMI in electric drive systems.

Highlights of Q3D Extractor v8 include:

- New Capacitance solver in Q3D Extractor that solves for C and G in lossy dielectrics
- Next-generation desktop architecture for 2D Extractor
- Infinite ground plane capability
- Multiprocessing and Distributed Analysis options
- Frequency-dependent dielectric loss model (Djordjevic-Sarkar)
- GDSII export

Pricing and Availability:

Q3D Extractor v8 is available for Microsoft Windows® XP Professional, Server 2003 Standard Edition, XP Professional x64 Edition, Server 2003 Standard x64 Edition, Red Hat Enterprise Linux v3 (32 and 64 bit) and v4 (32 and 64 bit), SuSE Linux Enterprise Server v9 (32 and 64 bit) and Solaris versions 8, 9 and 10. For pricing information, contact your nearest Ansoft sales office.

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ANSYS Expands HPC Benchmarking Program

21 February 2008

ANSYS, Inc. announced the availability of an enhanced high-performance computing (HPC) benchmark suite. Designed to guide customers who are adopting HPC systems for simulation, the improved benchmark suite has been used by ANSYS partners to assess performance of software from ANSYS on the latest HPC systems and technologies. The new benchmark suite provides updated simulation workloads for structural analysis and computational fluid dynamics (CFD), exercising a variety of simulation solution methodologies and addressing bigger simulation tasks, which increasingly have become the norm as engineering organizations tackle more detailed and complex simulations. The resulting performance data assists customers seeking to understand the benefit of HPC for specific simulation tasks and model sizes.

The expanded HPC benchmarking suite includes a set of simulation models that are representative of the breadth and depth of ANSYS software capabilities. Including 15 simulation models in the mechanical modeling area and seven in the fluids modeling area, the suite provides customers with performance metrics for a variety of model sizes and solver methods, while reflecting the trend toward larger models and comprehensive multiphysics simulation.

Performance results for the suite of benchmarks have been generated by AMD, Intel, Mellanox Technologies and other OEM partners, and they are available on the ANSYS Web site at www.ansys.com/benchmark. The posted results demonstrate the excellent performance scalability of software from ANSYS on the latest HPC technologies, including new quad-core processors from Intel and AMD, as well as the new ConnectX InfiniBand adapters from Mellanox. The results reflect the ongoing research and development focus by ANSYS and its key partners concerning software performance on HPC systems, which yielded significant improvements to distributed memory parallel solvers and I/O speed in the ANSYS® 11.0 and FLUENT® 6.3 releases.

“The new benchmark suite is a reflection of our commitment to working with key partners in the HPC industry to optimize and demonstrate performance of our software on the latest computing technologies,” said Jim Cashman, president and CEO of ANSYS, Inc. “This focus helps ensure that our customers can adopt new HPC solutions that enhance the overall value of simulation, by enabling faster turnaround time and larger, more detailed simulations. The combination of ANSYS software with HPC leads to a simulation process that can reliably impact engineering decision-making in the time frame our customers need. The new performance results show that HPC is now within the reach of all our customers, whether on the desktop, servers or clusters.”

Intel used the new ANSYS benchmark suite to demonstrate the performance of its Intel® Xeon® Processor 5400 series, released in November 2007. "ANSYS has set a high standard within the computer-aided engineering (CAE) industry for HPC benchmarking and reporting," said Richard Dracott, general manager of Intel's High Performance Computing Organization. "The new benchmark suite provides a reliable and consistent methodology to measure the performance of our latest platforms.

Our close collaboration with ANSYS on benchmarking, tuning and optimization enables ANSYS to take full advantage of Intel's latest processor capabilities and to deliver innovative product releases that provide customers with exceptional value."

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CIMTEK Launches Magellon QLM 3.3

20 February 2008

CIMTEK announced the immediate availability of Magellon QLM 3.3. As the first test analytics solution available as a Web-based application and integrated with hardware test systems, CIMTEK's Magellon QLM delivers flexibility to organize and analyze critical test data globally. For manufacturers, this translates into intelligence that drives improved product quality, operational processes and overall customer satisfaction.

Developed for the highly competitive electronics market where volatile demand and consumers' craving for continuous innovation create intense pressure, CIMTEK's Magellon QLM collects information from all stages of the production cycle – and more importantly, from the repair and warranty stage. The solution improves efficiency throughout the product lifecycle, with support for multiple functions across the enterprise, including:

• Product quality professionals: delivers continuous quality improvements, linking component and return/repair data to narrowly pinpoint the root of potential problems and deploy rapid corrective measures holistically across the product lifecycle

• Manufacturing and operations: provides lean manufacturing and test processes to lower labor costs, improve overall yields and reduce overall waste

• Design engineers: captures the design intelligence to ensure the most efficient and reliable next-generation products

“Globalization, outsourcing and the race-to-market wreak havoc with manufacturers' ability to deliver quality products cost effectively,” said Stan Smith, CEO of CIMTEK. “Magellon QLM software provides a powerful antidote to these pressures, by integrating quality and performance information from the very beginning of the product lifecycle through return and repair.”

Magellon's browser-based interface fronts a powerful database engine that overcomes the challenging, highly fragmented approach to collecting and storing data, often in a wide variety of formats. Providing real-time two-way communication between the manufacturing floor and the hosted application, the software remotely monitors quality, testing and production performance around the world, speeding troubleshooting and drastically reducing travel costs and employee downtime.

Magellon QLM provides four modules for monitoring and reporting on product and component failures:

• Supplier Quality Module – gathers and analyzes quality data from component and sub-assembly suppliers to reduce the risk of using sub-standard components and create end-to-end correlation with test and repair data for closed-loop quality improvements

• Manufacturing Module – provides deep insight into yields, unit genealogy, lot histories and test station results and management, including remote tester access

• Work in Process Module – enables the ability to provide alerts and enforcement of a defined assembly

and test routing process, including the number of times a product is allowed to be tested at each process step and the ability to utilize Statistical Process Control methods for trending

• Intelligent Repair Module – tracks and compares historical failure data, provides suggested fixes and correlates failures to the entire product quality and test history

Magellon QLM interfaces with other enterprise applications – including shop floor control systems, manufacturing execution systems, product lifecycle management solutions and ERP solutions – to extend the value of product test data from the manufacturing floor to the back office. This integration of insight into direct materials performance, reliability and overall quality increase the accuracy and speed of decisions made by departments from procurement to product design to customer service.

The solution is available from CIMTEK on an annual subscription, hosted model. Pricing is contingent on modules, locations and data volume. Additionally, each test system manufactured by CIMTEK is shipped with Magellon capabilities to provide quick implementations and rapid results.

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Dassault Systèmes and Wing Tai's Zymmetry Group Deliver Apparel Industry's First Integrated Global Development and Sourcing Solutions

19 February 2008

Dassault Systèmes and Zymmetry Group, a leading manufacturing and sourcing solutions provider focusing on the apparel industry, announced an agreement which will address the entire scope of the product delivery cycle from initial design through sourcing to retailing for the global footwear and apparel industry. The partnership gives the two software vendors a lead in providing solutions that will connect the entire apparel supply chain, linking front and back end design and development processes from planning to sourcing, pre-production and production.

Joel Lemke, CEO, ENOVIA, Dassault Systèmes said, "Our agreement with Zymmetry addresses key apparel industry trends and enables business leaders to solve challenges including increased outsourcing, social responsibility, and brand protection. ENOVIA and Zymmetry will deliver innovative solutions and a depth of coverage to our global apparel and footwear customers which will be unique, serving the end-to-end "fast-fashion" supply chain." The agreement with Wing-Tai/Zymmetry also demonstrates ENOVIA continued leadership in the PLM market for apparel. This builds on rapid momentum in the apparel industry which has resulted in an extensive client roster that features some of the industry's leading brands such as Guess, Quiksilver, REI and Under Armour.

Steven Walton, Chairman of the Zymmetry Group added, "Our agreement builds upon a 10 year vision to connect the entire apparel and footwear supply chain with more collaborative, transparent and synchronized solutions. Dassault Systèmes and the Zymmetry Group share the same vision and commitment to enabling a comprehensive apparel industry PLM solution. Combining ENOVIA's expertise in product design and development with Zymmetry's expertise in sourcing and manufacturing creates a compelling offering which will "un-black" the black box of sourcing." The solutions will be based on DS's PLM 2.0 and its V6 platform, a single platform for managing all product lifecycle business processes, available to anybody anywhere, spanning engineering groups, business and end users.

Zymmetry is part of the Wing Tai Group of Hong Kong (WingTai) and has customers ranging from global brands based in the United States, to large global manufacturing enterprises based in Asia. Its

solution for the apparel industry, called “Zymmetry Sourcing” is a supplier relationship management solution which incorporates workflow not only for product development but also for translating projected demand into finished good commitments. http://www.zymmetry.com/. ENOVIA provides the Accelerator for Apparel Design and Development™, which enables footwear and apparel companies to coordinate design, procurement and suppliers early in the design process. http://www.3ds.com/products-solutions/plm-solutions/enovia/industries/consumer-goods/apparel/ (Due to its length, this URL may need to be copied/pasted into your Internet browser's address field. Remove the extra space if one exists.)

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Dassault Systèmes Unveils Virtools 4.1 Platform for Real-Time 3D Applications

18 February 2008

Dassault Systèmes (DS) announced the release of Virtools 4.1, the latest version of its comprehensive platform for creating highly interactive 3D applications, also part of DS’s 3DVIA lifelike experience brand. Highlights of this revamped version include better platform support, improved Virtual Reality (VR) and Artificial Intelligence (AI) libraries, as well as key usability enhancements.

"Providing every Virtools platform user with robust solutions for creating and experiencing real-time 3D applications with complex interactivity is one of our priorities", said Lynne Wilson, senior vice president and general manager, 3DVIA Online, Dassault Systèmes. "This technological evolution is based on market needs and client feedback as well as technical advancements in the online and VR fields."

This release features key enhancements that make learning and producing 3D applications with Virtools even easier. Key enhancements include:

• Wider Platform & File Support: Virtools 4.1 and 3D Life Player are now compatible with Microsoft Vista and 3D XML V4. In addition, the Virtools SDK is moving to Visual Studio.net 2005.

• Improved Usability Enhancements to Reduce Production Time: One much awaited feature for Virtools is the ability to instantiate a behavior graph that is introduced through a new "Call Behavior" building block. Using this new feature, developers will be able to considerably improve production workflow and delivery time.

Virtools 4.1 also provides rich ergonomic and schematic improvements as well as new commented video tutorials, significantly shortening the Virtools 4.1 learning curve.

• Simplified Virtual Reality Production Capabilities: Both the Virtools VR Library and the VR Publisher model have evolved to respond to VR community feedback. The simpler publishing model is now available in two versions: "classic", targeted to mainstream VR displays (simple stereo HMDs or Walls) or "unlimited", supporting higher-end systems, including multi GPUs or clusters. This new VR Pack 2.5 also provides better clustering support, improving synchronization performance and quality when using Nvidia Quadro Fx G-Sync hardware, and better supporting multi-pipe and multi-core systems. It also includes new ready-to-use application templates (VRNR), provides support for recent VR devices like Natural Point Optitrack and Xsens MTi/MTx, and adds numerous development and deployment time-savers. New demos have been included, enabling new users and integrators to even better demonstrate the power of their VR equipment.

• Enhanced Artificial Intelligence Capabilities: Partnering with Kynogon, Virtools 4.1 provides

integration of a new AI library 2.0, which simplifies path-finding generation and design of Non-Playable Characters' behaviors.

The updated Virtools 4.1 platform will be showcased at the Game Developers Conference in San Francisco this week. For more information, visit the 3DVIA booth at the Moscone Center North Hall, Booth # 6034.

For more information, go to: http://www.virtools.com.

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Delcam's New PowerMILL CAM System Offers Quickest-Ever ROI

20 February 2008

Delcam believes that the latest release of its PowerMILL CAM software offers the quickest-ever return on investment for companies that are looking to replace their existing programming system with faster, more productive software. The company claims that many manufacturers could cover the cost of changing to PowerMILL within three to six months as a result of time and money saved in both programming and machining.

Delcam undertook a series of trials to confirm the added productivity that is possible with the latest release, PowerMILL 8. These showed reductions in the average programming time of 30% and in the average machining time of 15%, when compared to the results obtained with the PowerMILL 7 version. On this basis, a typical sub-contract or toolmaking company, programming and machining an average of 300 different parts per year, could recoup the cost of a PowerMILL licence in just over three months.

"We know from benchmarks undertaken by our prospective customers that PowerMILL 7 offered faster programming and machining than most other CAM systems on the market," claimed PowerMILL Marketing Manager Mark Forth. "With the productivity gains we have added into PowerMILL 8, we are even more confident that we can offer the most productive machining solution, especially for companies using high-speed and five-axis equipment."

For the trials, three components were used to represent typical jobs that would benefit from using the Delcam software; a 0.25 metre square forging die, a 0.5 metre square injection mould cavity and a two metre long press tool. A comprehensive sequence of machining strategies was calculated for each part, including roughing, rest-roughing, semi-finishing and finishing programs, all using realistic stepovers, stepdowns and tolerances. All the calculations were undertaken on a 64 bit Windows XP computer, with 4GB RAM, 2 AMD 2.6 Ghz processors and Quadro FX540 128 Mb graphics card.

Mr. Forth highlighted two major areas responsible for the improved results. "The faster programming is mainly the result of improved memory management within PowerMILL 8 that gives significantly faster calculation times," he explained. "The improved machining times have been achieved by more efficient ordering of the toolpaths, especially in rest-roughing and rest-finishing. This means that air time is minimised and the cutter spends the maximum time possible on the job."

"Both these factors are most significant for large, complex components, like press tools for automotive bodywork, and for smaller, highly-detailed models, such as moulds for fine-tolerance and high-accuracy parts," added Mr. Forth. "However, companies making smaller, less complex components tend to produce more different items during a year so the overall time to recoup the investment in PowerMILL would be similar."

Full details on the new PowerMILL release and the trials can be found on the website http://www.powermill.com/releasecentre. The site also includes a savings calculator so that companies can work out how quickly they could recover their investment in PowerMILL.

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D-Cubed 2D DCM from Siemens PLM Software Powers IMSI/Design's IDX Variable Constraint System Plug-In for AutoCAD

18 February 2008

Siemens PLM Software and IMSI/Design LLC announced that the D Cubed™ 2D Dimensional Constraint Manager (2D DCM) parametric design engine has been integrated and released in IMSI/Design's IDX Variable Constraint System plug-in for AutoCAD® software.

"This is a game-changing plug-in for AutoCAD users," said Bob Mayer, chief operating officer at IMSI/Design. "The 2D DCM technology we're using from Siemens PLM Software is the same parametric design engine behind most of the world's major CAD systems, and is highly compatible with the AutoCAD ObjectARX programming environment. It is the ideal foundation for this much needed parametric plug-in to AutoCAD."

The IDX Variable Constraint System plug-in brings the benefits of 2D DCM based parametric design to AutoCAD users. Compatible with existing models and working practices, users simply choose if and when they want to take advantage of the parametric design approach. Design intent can now be built into an AutoCAD model, enabling variations to be rapidly evaluated. Furthermore, part families can be created faster, entire drawings updated more quickly after red-line comments require changes, and kinematic mechanisms designed and animated.

All of Siemens' PLM Components offer flexible licensing arrangements that enable any organization, large or small, to add advanced functionality to any of their applications quickly and economically.

"Our PLM Components are used extensively in our own applications and made available under a level playing field policy to the global software community," said Bruce Feldt, vice president of Open Tools for Siemens PLM Software. "Their value is constantly reinforced by this combination of internal usage and widespread deployment across many of the world's major CAD, CAM, CAE, and PLM applications. We are delighted to extend our relationship with IMSI/Design and in the process expand the reach of PLM Components and the D-Cubed 2D DCM."

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Improve Document Workflows with Spicer Imagenation® 8.2 and Image a•X™ 8.2

20 February 2008

Spicer Corporation, the leading developer of document productivity solutions, announced the release of **Imagenation 8.2** and **Image a•X OEM Toolkit 8.2**.

Continuing its commitment to improving document workflows for Enterprise Content Management, Product Lifecycle Management and Compliance, Spicer's latest release delivers enhancements to core engineering and office document support, including Microsoft Word 2007 and Solidworks 2008, and read/write support for the latest version of Adobe PDF.

"Imagenation 8.2 improves operational efficiency by linking enterprise-wide engineering and office

workflows," said Paul Greenwood, Imagenation Product Manager. "Departments, suppliers and distributors worldwide can view and exchange hundreds of document and drawing file types used day-to-day in enterprise applications such as Facilities Management, Engineering Change Notification and Records Management. They can easily open files, add markups and gather critical project information, right from their desktops."

With Spicer Imagenation, users manage their document lifecycle from scan to review, mark up, and print for a wide range of office document and CAD drawing and model formats. Imagenation's diverse applications, including engineering drawing review, format conversion, redaction of confidential information, and document archiving, are used globally in Manufacturing, Government, Utilities, Insurance, Financial Services and Reprographics markets.

Imagenation is available for Windows 2000, Windows Server 2003, Windows XP and Windows Vista. Imagenation's flexible pricing model provides options for fixed, enterprise and OEM licensing.

Image a•X OEM Toolkit offers convenient editions which provide different feature sets for integrators to choose from. Image a•X is licensed on a per user or named seat basis. Concurrent licenses are not available**.**

To try Spicer's newest software, download an evaluation version of **Imagenation** or **Image a•X OEM Toolkit**.

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INOVx Announces Availability of RealityLINx® Exchange – Software That Streamlines Use of Laser Scan Data in Engineering Design

21 February 2008

INOVx Solutions, Inc. announced the availability of RealityLINx® Exchange, its software for maximizing the use and value of laser scan point cloud data. Users can work efficiently with scan data directly in popular CAD environments as well as in RealityLINx. RealityLINx Exchange simplifies viewing, slicing, navigating, measuring, and working with photo realistic point cloud data and speeds up the design and drawing creation processes.

"With RealityLINx Exchange the actual physical conditions are rendered in the common engineering design tools in a way that maximizes accuracy and usability," said INOVx Solutions CEO Costantino Lanza. "When you couple this with RealityLINx Model then a truly optimal workflow is achieved that incorporates precise as-built conditions into the design processes. And just as important, this capability completes the functionality needed for the Management of Change of enterprise asset data in complex plant environments thus enabling our clients to maintain accurate as-built information for the life of their facilities."

During the Beta Test Period, RealityLINx Exchange was found to be highly functional. A leading process industry client performed a detailed comparative study of the five leading software products capable of rendering laser scan point cloud data and concluded RealityLINx Exchange to be the most functional. They selected it as their best-in-class product on which to standardize corporate use.

"This is a great affirmation that the new capabilities we have added to RealityLINx for Exchange meet or exceed our client's needs and expectations," said David Reinhart, Chief Technologist for INOVx Solutions. "Having a major process industry company adopt it as their corporate standard tells me we are doing the right thing."

RealityLINx Exchange is built upon the common code base of RealityLINx, INOVx's Virtualization software, using Microsoft .NET technology. This provides the most extensive set of capabilities for working with accurate and precise virtual reality models. The common user interface is ideal for use by operations and maintenance personnel as well as plant engineers. RealityLINx also provides access to the all enterprise asset data and is architected as a client-server application thus permitting multiple simultaneous use of the data and the virtual model. In this release there is support for Bentley Systems Microstation, Intergraph PDS and AVEVA PDMS. RealityLINx Exchange supports laser scan data in leading vendor formats (i.e., ASCII, FLS, PTX, ZFC, and ZFS files).

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ITI TranscenData Releases CADIQ V5.1

20 February 2008

ITI TranscenData announces CADIQ V5.1, the latest release of its native 3D CAD model quality, validation and verification product. CADIQ V5.1 provides immediate support for the latest CAD system releases including direct access to CATIA V5R18, NX 5, Pro/ENGINEER Wildfire 4.0, and SolidWorks 2008. CADIQ V5.1 also expands native support of legacy systems such as CATIA V4.2.4, NX I-deas 5 and CADDS 5i in addition to Parasolid, STEP and IGES.

The CADIQ model validation functionality allows users to natively compare the geometry, topology and product structure of two, three or four different CAD formats and to validate an assortment of interoperability processes such as data migration, data exchange, product archival and automated or manual remastering of legacy CAD data. CADIQ identifies the native and target format design features that are directly associated with each quality issue or geometric change. This helps users effectively resolve quality issues, discover model differences and relate geometric knowledge to the modeling features for ease of understanding and correction.

"CADIQ's 10+ year history of geometric quality and validation technology is based on advanced face matching that allows users to understand changes and optimize performance through evaluation on the native CAD model face geometry." says Doug Cheney, CADIQ Product Manager and CAD Interoperability Consultant at ITI TranscenData. "The basis for any viable CAD model quality checking and validation process must involve native access to the CAD model to avoid the real possibility of analyzing invalid data that already has changes introduced."

Cheney continues, "Some CAD model validation software tools are based on the conversion of the native Master Model CAD data into proprietary formats before analysis. Because of this conversion, accuracy has already been lost and the integrity of any validation results cannot be ensured. CADIQ's approach has always involved multi-CAD, native access to CAD models in order to provide the highest level of confidence in any validation processes. Advanced face matching through native CAD interfaces is unique to CADIQ and far superior to generic cloud-of-points techniques."

By automatically highlighting differences in shape, form, mass properties, surface geometry, topology and product structure as well as clearly identifying quality defects, CADIQ helps CAD users improve the accuracy and reliability of their digital design data. This significantly speeds up workflow and provides confidence in the integrity and value of an organization's engineering data. New to CADIQ V5.1 is the animated diagnostic markup functionality that enables rapid communication of quality and validation results between design team members separated by organizational or geographic boundaries.

Don Hemmelgarn, ITI TranscenData President, comments on the customer focus of ITI's CADIQ

engagements: "Our consulting experience and client driven project delivery methodologies ensure high impact interoperability process and quality improvements. ITI TranscenData has defined clear business drivers that both our technology and expertise address. Any company creating, converting and distributing CAD data should be interested in their CAD model quality and validation processes and consider the in depth application scenarios that only a multi-CAD, native based technology like CADIQ is able to address."

For more information on these application scenarios, please refer to Product Data Quality and Validation Scenarios in addition to a full outline of the Benefits to working with ITI and CADIQ.

Highlights of CADIQ version 5.1 include:

- Diagnostic View and Mark-up capabilities to save quality and validation views with custom names, diagnostic highlights, comments and animations between views
- Comparison of models defined in different coordinates through interactive model repositioning and re-analysis
- Expanded assembly analysis for NX and Solidworks
- Extended entity support for CATIA V4 mock-up solids and Pro/E Family Tables
- Other enhancements including; Shaded graphics quality, Distributed remote analysis configuration, Improved STEP face tessellation and point projection, Multiple new quality and validation diagnostics
- Updated support for CATIA 4.2.4, CATIA V5R18, NX5, Pro/ENGINEER Wildfire 4, NX I-deas 5, SolidWorks 2008, CADDS 5i, Parasolid, STEP and IGES

Considerations for CADIQ V6.0, Summer 2008 release include the following:

- Adobe 3D PDF report generation
- Full Assembly Product Structure Analysis
- 3D PDF analysis interface (U3D and/or PRC)
- 3D GD&T (FD&T, PMI, annotation) analysis
- JT Parasolid analysis interface

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Mentor Graphics Delivers Breakthrough in Verification Intelligence

18 February 2008

Mentor Graphics Corporation announced the Questa® Multi-view Verification Components product and the inFact™ intelligent testbench automation tool – two new solutions that use breakthrough technologies to speed up verification and drastically improve verification coverage of today's SoC (System on Chip) designs.

Lowering the Barriers to Mixed-abstraction Verification

The complexity of today's SoC verification environments often requires designers to spend valuable time building and verifying multiple and usually incompatible verification models of a single block to support system-level, TLM-level and RTL-level verification. This lack of consistency prevents teams from easily moving up and down in abstraction and maximizing verification effectiveness. Mentor's Questa Multi-view Verification Components product can connect to any level of abstraction from system to gates – ensuring consistent model behavior and giving the verification team more options to improve performance and increase coverage.

Algorithmic Stimulus Generation Gets to Coverage Faster

Once verification components are available, designers need to create the stimulus to drive the models. Creating test stimulus by hand is one of the most time-consuming steps in the verification flow. Using advanced algorithms to synthesize non-repeating stimulus, Mentor's new intelligent testbench automation technology, inFact, simultaneously reduces test creation time, minimizes redundant testing, and stimulates more of the design – resulting in more bugs found and dramatically faster time to coverage.

Accelerating Adoption of Breakthrough Verification

Methods Combining these new tools with the Questa functional verification platform, the Open Verification Methodology (OVM), and standards like SystemVerilog, Mentor is opening the doors to broader adoption of breakthrough verification flows.

"The next major step in advanced functional verification happens when manual, time-consuming tasks are replaced with new levels of automation and tool intelligence," said Robert Hum, vice president and general manager of Mentor Graphics Design Verification and Test division. "With the Questa functional verification platform, we believe we're on the right track – not only from a technology point of view, but also in terms of providing a complete, comprehensive solution."

"At SanDisk we performed an exhaustive evaluation of all testbench technologies, including constrained random testing and intelligent testbench automation," said Ed Tuers, former ASIC Engineering Manager at SanDisk Corporation. "The intelligent testbench automation approach allowed us to do significant pioneering work in this area and translated into a much more streamlined, reusable approach to testbench development. Using the inFact tool suite we were able to find bugs missed by a very extensive set of directed simulations."

"The exploding cost of embedded software design puts increased pressure on SoC budgets. Since there is no immediate answer to the software crisis, management is now focused on the high cost of verification," stated Gary Smith, founder and chief analyst for Gary Smith EDA. "Throwing engineers at the problem is not an acceptable answer whether they be in the US, Europe or India. The target is to bring verification costs down to 35% of the total hardware design cost, and we can only do that through automation. The intelligent testbench is the missing ingredient in today's verification flow. At DAC 2007 we saw three start-ups addressing the problem. Today Mentor announces their intelligent testbench tool. Help is on the way."

Pricing and Availability

inFact is available now and Questa MVCs will be available in Q2 2008. Pricing starts at $25,000.

Questa Functional Verification Platform

The Questa functional verification platform combines high performance and high capacity with comprehensive verification capabilities. Assertion-based Verification (ABV), intelligent testbench automation, Multi-view Verification Components (MVC), and Coverage-driven Verification (CDV) are supported natively by the Questa platform's high-performance assertion engine; a modern, high-performance constraint solver; and extensive functional coverage features, including verification management leveraging the Unified Coverage Database (UCDB). Verification of low power design functionality can be proven in an RTL environment with power-aware functional verification. This full set of advanced verification functionality is enabled by a flexible Open Verification Methodology (OVM) that delivers unrivaled language and feature support in any design and verification flow.

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ProDesign and Mentor Graphics Sign OEM Agreement

19 February 2008

ProDesign Electronic GmbH announced the signing of a worldwide OEM partner agreement with Mentor Graphics Corporation to integrate the Mentor Graphics Precision® Synthesis tool into ProDesign's new CHIPit Manager Pro software suite.

Under terms of the agreement, ProDesign will bundle a customized version of Mentor's Precision RTL Synthesis software tool with its CHIPit ASIC Prototyping environment, allowing ProDesign's customers to benefit from the increased performance and quality of results (QoR) offered by Mentor Graphics FPGA synthesis software. This integrated solution will enable ProDesign to serve as a "one-stop-shop" for scaleable ASIC prototyping platforms.

"The integration of Mentor's Precision Synthesis tool was an important step for ProDesign and brings us closer to our vision of creating an easy-to-use high-speed ASIC verification system with a push-button like design flow, shortest compilation time, and integrated debugging for 100% visibility," stated Gunnar Scholl, Director Marketing and Business Development at ProDesign. "By combining the advantages of the highly stable and fast Precision Synthesis tool with our extensive experience and expertise in hardware verification, plus the ability to parallelize the synthesis processes on block level, we are able to reduce the design implementation time in a dimension never seen before on a prototyping solution, including the full coverage of incremental changes. We are pleased to partner with Mentor Graphics and look forward to a successful relationship."

CHIPit and Precision Synthesis customers are pleased about the new OEM agreement because ProDesign supports the entire ASIC design implementation process and offers first-line support for the integrated Precision Synthesis tool. With this strategic partnership, ProDesign eliminates the customer's potential confusion of different support channels for the same design-related questions, while providing faster, more efficient customer support to ASIC prototyping-related questions.

"This agreement with ProDesign is important because we see the increasing success of the CHIPit ASIC Prototyping system in the hardware assisted verification market," said Daniel Platzker, Product Line Director, FPGA synthesis division at Mentor Graphics. "ProDesign plays a significant role in the expanding ASIC prototyping market and the combination with Mentor's FPGA synthesis solution provides a highly efficient and powerful EDA solution for ASIC prototyping, resulting in quicker and more accurate ASIC verification for our mutual customers."

About ProDesign

The privately held company was founded in 1981 and has over 100 employees, with various facilities for research, design, and sales in Germany, France and the U.S. Pro Design has more than twenty-four years of experience as a service provider and manufacturer in the electronics industry. The company's products and services include the CHIPit family of hardware-assisted verification tools to validate algorithm performance, verify hardware implementation, and assist in hardware/software co-development and co-verification to reduce the verification time dramatically.

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Right Hemisphere Unveils New, Easy-to-Use "Deep Access" Digital Media Asset Management Software

19 February 2008

Right Hemisphere announced its new web-based Deep Access™ digital media asset management (MAM) software. Deep Access works with Right Hemisphere's Deep Server™ process automation system to deliver a unified, searchable repository of 2D, 3D and related media assets and metadata. Together Deep Access and Deep Server software provide an enterprise-class and comprehensive product information management solution that can automatically generate a full spectrum of product graphics derivatives and documents for all participants involved in a company's development, manufacturing, promotion and support processes. With Deep Access, assets can be corralled and organized into categories, folders, and assembly structures. It even manages assets and metadata across multiple entities and geographies.

"With the proliferation of 3D and related product data, we're seeing manufacturers struggle to efficiently store, find, manage, and distribute their digital assets," said Mark Thomas, president, founder and CTO at Right Hemisphere. "The trend toward greater involvement of third parties in all aspects of a product's design, manufacturing, marketing and support requires companies to be able to share their assets and view and mark them up with their partners and customers. We've developed Deep Access so these companies can share their assets easily and securely, as well as eliminate all of the wasted time spent searching for and recreating assets. The net effect of Deep Access is that all participants involved in the product lifecycle can be more effective and efficient."

"We plan to integrate Deep Access as we believe it can greatly expand how we're sharing and collaborating on product information across our business," said Steve Lewis, Manager of Simulation at Bell Helicopter, a Textron company. "We've derived a great deal of value from our investment in Right Hemisphere software and solutions. We routinely share 3D content across various enterprise functions using Deep Server Web as a communications enabler for value-added derivatives and vendor information as well as source CAD data. We believe Deep Access will add further value by enabling us to stream live updates into our integrated communications flow."

Deep Access is feature rich solution that:

-- Amalgamates multiple computer-aided design (CAD), digital media assets, and metadata from multiple sources into one easy to use interface for anyone to access

-- Organizes all CAD data and other media assets into categories, folders, and assembly structures

-- Automatically displays CAD and multimedia files with relevant metadata and associations

-- Maintains full version control of assets with check-in and check-out procedures

-- Automatically creates "derivative graphics" - new forms of source graphics -- for preview, collaboration and downstream uses

-- Has an easy-to-use Web-based user interface with customizable home page and reports

-- Makes finding data easy with simple searches on asset names, properties, or metadata

-- Enables collaborative viewing and markup of 2D and 3D CAD files, images and other assets

-- Provides role-based security at the project, part and assembly levels

-- Delivers user or admin defined metadata, categories, and processing methods

-- May be extended to other tools and applications with the Right Hemisphere software development kit

Manufacturers that build complex products with geographically extended supply chains will especially appreciate how Deep Access facilitates collaboration via the Web for both 2D and 3D assets. With Deep Access, these users can view and save markups in a unified environment with one interface that supports almost any CAD data format or 2D and 3D media type, including associated textures and animations. Most importantly, Deep Access accelerates digital media production by enabling the re-use of assets and by shortening the time required to created assets. It also helps improve the quality of designs and media assets created by facilitating more efficient collaboration.

Deep Access is immediately available and requires the use of Right Hemisphere 5 Deep Server software. It is priced as part of an enterprise solution and starts at $995 per server-connected user.

To register for the live Deep Access Webinar scheduled for Thursday, February 21 at 11:00 a.m. PST, please go to http://www.righthemisphere.com/webinar/DeepAccess.

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