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Top Story

Heppelmann Appointed to CEO at PTC (CIMdata Perspective)

10 May 2010

PTC announced today (May 10, 2010) that James E. Heppelmann will succeed C. Richard Harrison as PTC's Chief Executive Officer, effective October 1, 2010. Mr. Harrison will become the company's Executive Chairman. Mr. Heppelmann, as CEO and President, will report directly to the Board of Directors. CIMdata has followed Mr. Heppelmann's career within the PLM industry for many years and we are pleased with PTC's decision. The vision and management leadership that Mr. Heppelmann has provided the company since joining it in 1998 have been exemplary.

CIMdata views Mr. Heppelmann's appointment to be consistent with PTC's strategic objective to be a leader in the overall PLM industry. Mr. Heppelmann has been instrumental in defining and driving the company's evolution from a leading mechanical CAD vendor to one of the world's leading PLM

vendors, and his appointment reiterates PTC's confidence in both his vision and his ability to lead the company. With him at the helm, we expect PTC to stay at the forefront of the PLM industry and not deviate significantly from the strategic path that he helped define in his previous position as the company's President and Chief Operating Officer.

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Acquisitions

Cadence to Acquire Denali

13 May 2010

Cadence Design Systems, Inc. and Denali Software, Inc., a leading provider of electronic design automation (EDA) software and intellectual property (IP), announced that the companies have entered into a definitive merger agreement under which Cadence will acquire Denali for \$315 million in cash. Denali is expected to have approximately \$45 million in cash at closing. In alignment with its EDA360 strategy, this transaction expands Cadence's solution portfolio to deliver efficient and cost-effective system component modeling and IP integration. The transaction was unanimously approved by the Cadence and Denali Boards of Directors.

"Denali's strengths in Memory Models, Design IP, and Verification IP accelerate the execution of Cadence's recently announced EDA360 vision, creating new opportunities for the company," said Lip-Bu Tan, president and chief executive officer of Cadence. "We are excited to welcome Denali's talented employees and look forward to delivering the value inherent in this combination."

EDA360 centers on three components: (1) System Realization - the development of a complete hardware/software platform with all of the capabilities needed to begin applications development and deployment; (2) SoC Realization - the development of a single system on chip (SoC), including silicon IP and "bare-metal" software; and (3) Silicon Realization - everything required to get a design into silicon, including the creation and integration of large digital, analog, and mixed-signal IP blocks.

The merger will accelerate the delivery of the solutions outlined in this vision:

Denali's memory models provide system component modeling and verification capabilities required in System Realization.

Denali's Design IP products enhance the Cadence Open Integration Platform required in SoC Realization.

Denali's well-established support of third-party simulators by its Verification IP (VIP), coupled with the focus on metric-driven and compliance management of Cadence's VIP, make this combination highly complementary and necessary for SoC Realization, and enable Cadence to expand its third-party simulation support.

Cadence intends to finance the transaction with available cash. The transaction is expected to be accretive to Cadence's fiscal year 2011 earnings per share.

For more information, see the Question and Answer document on the Cadence website at http://www.cadence.com/cadence/investor_relations/Documents/DenaliQA.pdf.

Audio Webcast Scheduled

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Lip-Bu Tan, Cadence's president and chief executive officer, and Kevin S. Palatnik, Cadence's senior vice president and chief financial officer, will host an audio webcast to discuss the merger on May 13, 2010, at 5:30 a.m. (Pacific) / 8:30 a.m. (Eastern). An archive of the webcast will be available starting May 13, 2010 at 8:30 a.m. (Pacific) and ending May 20, 2010 at 8:30 a.m. (Pacific). Webcast access is available at http://www.cadence.com/company/investor_relations.

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CIMdata News

CIMdata in the News “PLM behind the Great Wall of China”

10 May 2010

What was the growth of China's mainstream PLM market, 2006 through 2009 (measured in U.S. \$ millions)?

Who's grabbing PLM market shares in China?

The answer to these questions can be found in the Desktop Engineering article “PLM behind the Great Wall of China” by Kenneth Wong and are based upon CIMdata's release of its annual [China PLM Report](#).

[Access](#) this article where you can also listen to Mr. Wong's interview with Kenneth Amann, CIMdata Director of Research and learn more about the PLM market in China including market dynamics, which non-China based PLM vendors are active in this market and which are entering it, and tips for vendors considering entering it.

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Connect with CIMdata PLM News on Twitter!

May 2010

Stay in tune with PLM—receive timely and concise messages about the PLM industry from CIMdata. Follow [@CIMdataPLMNews](#)

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“Dassault Systèmes’ V6 Program Management” A New Report from CIMdata

11 May 2010

CIMdata, the leading global Product Lifecycle Management (PLM) consulting and research firm released a new report entitled, “Dassault Systèmes’ V6 Program Management.” This review presents CIMdata's perspectives on the V6 platform's solutions that support the management of portfolios, projects, and programs. This report presents essential background on program management as well as the business case for program management capabilities integrated into a broad PLM solution for large-to-medium-sized businesses. It presents the essential features of Dassault Systèmes' V6 Program Management solution.

The program management solution set is available today and contains capabilities for portfolio planning and management, support for program management offices, resource planning costing and scheduling,

CIMdata PLM Industry Summary

and decision analysis. According to John MacKrell, CIMdata consultant, the solution is extensive and “provides the tools needed to support all stakeholders in program and project management roles.”

To read more about this important resource, please download and read the complete “Dassault Systèmes’ V6 Program Management” report. Copies of the “Dassault Systèmes’ V6 Program Management” CIMdata report are available [here](#) at no cost.

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic consulting to maximize an enterprise’s ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding more than 25 years ago, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific.

To learn more about CIMdata’s services, visit our website at www.CIMdata.com or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Siriusdreef 17-27, 2132 WT Hoofddorp, The Netherlands. Tel: +31 (0)23 568-9385. Fax: +31 (0)23 568-9111.

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Dassault Systèmes V6 IP Lifecycle Management” A New Report from CIMdata

13 May 2010

CIMdata, the leading global Product Lifecycle Management (PLM) consulting and research firm has released a new report entitled, “Dassault Systèmes V6 IP Lifecycle Management.” This review presents CIMdata’s perspectives on the V6 platform’s solutions that support the management of intellectual property (IP) throughout the product lifecycle. The report presents both background information on IP management and lays out a business case for IP management in manufacturing enterprises. It presents the essential features and capabilities of Dassault Systèmes’ V6 IP Lifecycle Management solution in the context of its integration into a broad PLM solution for large- to medium-sized businesses.

Dassault Systèmes’ IP Lifecycle Management solution set is available today and contains capabilities for capturing, organizing, storing, maintaining, and providing access to the IP that is created in the course of product development activities. According to John MacKrell, CIMdata consultant, “IP Lifecycle Management provides a critical and important source of information upon which people can collaborate to produce new and innovative products.” To read more about this important resource, please download and read the complete “Dassault Systèmes V6 IP Lifecycle Management” report. Copies are available [here](#) at no cost.

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To learn more about CIMdata's services, visit our website at www.CIMdata.com or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Siriusdreef 17-27, 2132 WT Hoofddorp, The Netherlands. Tel: +31 (0)23 568-9385. Fax: +31 (0)23 568-9111. Follow CIMdata News at twitter.com/CIMdataPLMNews

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Company News

ASCENT Publishes Autodesk Official Training Guides

13 May 2010

RAND Worldwide® announced that its courseware division, ASCENT– Center for Technical Knowledge®, will publish 18 courseware training manuals that have been designated as Autodesk Official Training Guides, covering a variety of Autodesk 2011 products.

Courseware by ASCENT incorporates real world examples using imperial and metric units and offers end-users a process-based approach to most topics, including those addressed by Autodesk Certification. Titles are available in training guide format for classroom delivery and self-study, and as eCourseware for those users wishing to access self-paced training from virtual locations through ASCENT's eLearning portal. ProductivityNOW. To learn more about ProductivityNOW, visit: http://www.ascented.com/PNOW_solo_home.htm.

Following is the list of 2011 titles by ASCENT that have been designated Autodesk Official Training Guides:

- AutoCAD 2011 – Advanced
- AutoCAD 2011 – Update for 2009 Users
- AutoCAD 3D 2011 – Drawing & Modeling
- AutoCAD Architecture 2011 – Advanced
- AutoCAD Architecture 2011 – Fundamentals
- AutoCAD Electrical 2011 – Fundamentals

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- AutoCAD LT 2011 – Essentials
- AutoCAD Civil 3D 2011 – Survey Fundamentals – Field to Finish
- Autodesk Inventor 2011 – Advanced Assembly Modeling
- Autodesk Inventor 2011 – Advanced Part Modeling
- Autodesk Inventor 2011 – Sheet Metal Design
- Autodesk Revit Architecture 2011 – BIM Management
- Autodesk Revit Architecture 2011 – Collaboration Tools
- Autodesk Revit Architecture 2011 – Conceptual Design
- Autodesk Revit Architecture 2011 – Site and Structural Design
- Autodesk Revit Structure 2011 – Fundamentals
- Autodesk Revit Structure 2011 – Intermediate
- Autodesk Vault 2011 – Data Management for Inventor Users

ASCENT offers flexible purchasing options including digital site licenses and customization services to address all training needs. Special pricing is available to authorized Autodesk Training Centers. To purchase any of the above titles or to view additional titles available, visit:

http://www.ascented.com/courseware_Autodesk.htm.



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AVEVA Announces a National Partnership with SENAI to Train Design Engineers in Brazil

12 May 2010

AVEVA announced a new educational initiative in Brazil with the SENAI industrial training institution. Recognizing that market growth has created an urgent need for more qualified piping engineers and designers, AVEVA and SENAI have teamed together to train job candidates in AVEVA PDMS 3D plant design technology.

The course will be taught at 20 sites across Brazil at the SENAI training facilities.

Santiago Pena, AVEVA's Vice President for Latin America, said, "There is a real demand for PDMS-trained engineers in Brazil. A shortage could be on the horizon as the global economy improves. Our partnership with SENAI aims to address that potential problem and provide industry with the trained workers it needs to continue the economic and industrial expansion. We are pleased to be working with SENAI to meet this growing industry need for qualified engineers."

SENAI and AVEVA had been conducting PDMS training in Sao Paulo and Salvador, but the expanded agreement covers all SENAI sites, giving the Brazil market full coverage.

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Mr. José Manuel de Aguiar Martins, General Director from SENAI said, "Our new partnership with AVEVA will provide engineering students a valuable competitive advantage. Having more skilled PDMS engineers who can support 3D projects will not only benefit their employers, but also benefit the country".

Organized and run by industrial entrepreneurs - through the National Confederation of Industry and through the state federations - SENAI was created to meet a concrete demand for the training of qualified workers for Brazilian industry. SENAI has grown from one of the first vocational training schools to the largest educational network in Brazil, favoring the complete development of the individual's productive capacity.

Since its creation, 41.7 million students have enrolled in SENAI schools, including 250 Professional Education Centers, 39 Technology Centers, 118 Training Centers/Agencies, plus 306 Mobile Units and 310 Mobile Action program kits. Modern teaching technology, islands of production integration technology, technological information diffusion systems, and laboratories are all part of an educational network for SENAI's 21st century work.

For further information on SENAI visit <http://www.senai.br/>

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AVEVA Announces Its Participation in SAP® EcoHub Solution Marketplace

13 May 2010

AVEVA Group plc (announced its participation in the SAP® EcoHub solution marketplace. This community-powered site makes it easier for customers to discover, evaluate and purchase partner solutions - such as AVEVA NET - that complement SAP applications.

The SAP EcoHub provides customers access to complementary solutions and offerings that work best for their installation of SAP solutions. It leverages SAP's comprehensive ecosystem, where customers and partners can connect. The SAP EcoHub integrates community input, user feedback, ratings and partner demos, enabling a more educated and intelligent selection of solutions.

The AVEVA NET platform, which helps companies manage their information across engineering design and operations, is listed on SAP EcoHub at <https://ecohub.sdn.sap.com/irj/ecohub/solutions/AVEVANET>. Resources available for download from the SAP EcoHub site include an AVEVA NET summary, an informational white paper and customer success stories. Also provided are certification details for AVEVA NET and the ability to request a live demo or contact from AVEVA.

As an established independent software vendor offering solutions in support of SAP offerings, AVEVA has made serving the needs of customers using SAP solutions a top priority. Most recently, AVEVA NET 3.6 earned the SAP certification "Powered by SAP NetWeaver®" and AVEVA has joined the SAP PartnerEdge™ program as an SAP software solution partner.

Through the program, partners work closely with SAP to develop and certify the technical integration of their solutions with SAP software. Integrated partner applications extend, complement and add value to SAP solutions, thereby helping mutual customers more successfully meet business needs and drive strong results.

An example of results achieved by customers using AVEVA NET in conjunction with SAP solutions

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include much quicker and more efficient loading of master data into SAP solutions during the operations readiness and engineering data handover phases, saving time and money and increasing the completeness and accuracy of asset information.

Bill van Butzelaar, Engineering Information Management Project Manager at Australia's biggest oil and gas provider, Woodside Energy Ltd, commented: "The information management benefits delivered by our use of AVEVA NET and SAP solutions have saved us millions of dollars and significantly increased productivity. We believe that no other system could have achieved this degree of success."

SAP EcoHub is live at <http://ecohub.sap.com/>. Visitors can search for solutions in many ways, including industry or solution, key words, relevance or partner. Solutions can be evaluated online based on feedback from other users, partners and business experts. For more information about AVEVA NET, visit the SAP EcoHub or <http://www.aveva.com/>.

An independent review, published by Deloitte, of the savings and productivity gains achieved by Woodside Energy's use of AVEVA NET and SAP solutions, is also available from the AVEVA website at http://www.aveva.com/media_centre_whitepapers.php

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Bluebeam Software Launches New Bluebeam Rally Program to Push Sales of PDF Solutions Full-Throttle through Channel Partners

13 May 2010

Bluebeam® Software is kicking channel sales into overdrive. Today, the company is rolling out the Bluebeam Rally Program, a new sales opportunity that drives Value Added Resellers (VARs) into the winner's circle.

"The Bluebeam Rally Program puts our partners in the driver's seat and sets them up for incredible sales victories," said Teresa Acosta, Bluebeam Software Director of Partner Programs. "The three-tiered program of Fan, Crew and Driver offers generous discounts and promotional opportunities for all channel partners, from CAD resellers to large software houses to distributors."

Bluebeam Software develops two PDF software solutions. PDF editor Bluebeam PDF Revu® is used by the world's largest AEC firms, government agencies, law firms, businesses and academic institutions to implement digital workflows. Revu provides PDF creation technology including CAD to PDF conversion, industry-standard markups, PDF editing and seamless integration into Microsoft® SharePoint® and Bentley® ProjectWise®. Bluebeam Conversion Server offers automated and centrally-managed PDF creation and is ideal for organizations that convert and archive large volumes of drawings and documents in PDF.

For more information about the Bluebeam Rally Program and Bluebeam Software's PDF solutions go to <http://www.bluebeam.com/partners>.

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Dartmouth and SolidWorks: from Outrageous Stuff to Commercial Products

10 May 2010

At Dartmouth's [Thayer School of Engineering](#) students use [SolidWorks® software](#) in a wide range of activities that are always academically serious, and occasionally outrageous.

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Take twist carts. These are low-riding vehicles powered by wiggling the hands, feet, and hips and raced throughout the hallways for bragging rights (<http://www.youtube.com/watch?v=Adx3Tu7gzTY>). Students design and build them, and every cart must exhibit innovation beyond the current state-of-the-art technology.

“Dartmouth engineering students are already ravenous learners, and we strive to cultivate that passion,” says Assistant Professor Solomon G. Diamond, PhD. “Standardizing on SolidWorks has been a big part of that. Students can produce substantial designs from day one, when the tutorials get them hooked. Then we’re off to the races.”

In addition to designing twist cars, students use SolidWorks in:

- The traditional Bridge Crushing competition, where teams design scaled-down bridges, then win points on these key metrics: maximum load; minimum deflection at a given load; and best prediction of deflection. (http://www.youtube.com/watch?v=n3_CLxbHXm0&feature=channel)
- [Formula Hybrid](#), an intercollegiate racing competition featuring scaled-down Formula One-style cars that students design, build, drive, and race. They employ hybrid gas/electric power plants and regenerative brakes, which convert normally wasted energy into electricity. (<http://www.youtube.com/watch?v=R-c6Y2kbjuo>)
- Introduction to engineering class, where students tackle design problems, create prototypes, start fictional companies, and present results to a faculty panel in an open, public forum.
- Weekly problem sets in a Solid Mechanics course, where “if the pencil-and-paper analytical solutions and [SolidWorks Simulation](#) software don’t agree,” Diamond says, “students go back and find out what’s wrong. This learning process develops their math skills, mechanical intuition, and builds a foundation for parametric engineering design.”
- Fabrication, by combining SolidWorks software with technologies like CNC machining and rapid prototyping.
- Transforming class projects and research into commercial products for [entrepreneurial ventures](#).

Diamond introduced SolidWorks software to Dartmouth in 2008 after using the software himself as a doctoral student at Harvard and research fellow at Massachusetts General. At the hospital, he used SolidWorks to design probes for advanced brain research. This work is now continuing at Dartmouth where he has also used SolidWorks to design a special magnetically shielded room for [multimodal brain imaging studies](#).

Dartmouth relies on authorized SolidWorks reseller [CADD Edge](#) for ongoing software training, implementation, and support.

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Domain Becomes an Authorized Reseller with Invention Machine

26 April 2010

CIMdata PLM Industry Summary

Domain Systems, Inc., leading system integrator and reseller of Oracle Agile Product Lifecycle Management (PLM) announces today their agreement to resell [Invention Machine](#) Goldfire, the innovation intelligence platform for designing a repeatable and sustainable innovation process.

Goldfire, empowers scientists, engineers and innovators with precise innovation intelligence so they can consistently deliver the right products the first time, efficiently & economically. The software combines proven innovation workflows and collaboration capabilities with access to relevant corporate and external knowledge.

With Goldfire, PLM customers will be able to accelerate their productivity, maximize their creative problem-solving skills, and drive their company's innovation potential. "Innovation is the life blood of every company and having a sustainable innovation process is critical for accelerating the delivery of competitive products," said Mark Atkins, CEO, Invention Machine. "With Goldfire, customers can easily infuse innovation into every step of the PLM process and significantly impact their bottom line."

"We believe Goldfire to be one of those new breakthrough technologies that highly complement our existing and future customer's needs by increasing productivity and bringing additional structure to the problem solving process especially in the concept, discovery and idea generation stages." – Randy Pettit, President, Domain Systems, Inc. "With this new technology our customers will have additional com

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DP Technology Moves its East Coast Team to a New and Improved Site

6 May 2010

DP Technology, creator of ESPRIT® computer-aided-manufacturing (CAM) software, has relocated its East Coast staff to a new, spacious building in Matthews, North Carolina.

Located in southeastern greater Charlotte, the new office offers double the training space provided by the previous site — which had been occupied by DP's East Coast staff since 1993.

DP's East Coast office typically hosts a minimum of one week-long customer training course each month.

DP's new East Coast office, conveniently located near Charlotte Douglas International Airport, can be found at 3005 Senna Dr., Mathews, N.C., 28105. The office can be reached by telephone at 1-800-627-8479 and by fax at 1-704-814-0446.

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PTC to Name James E. Heppelmann to Chief Executive Officer

10 May 2010

PTC announced today that James E. Heppelmann, the company's President and Chief Operating Officer, will succeed C. Richard Harrison as PTC's Chief Executive Officer, effective October 1, 2010. Harrison will become the company's Executive Chairman. Heppelmann, as CEO and President, will report directly to the Board. A resources site with additional multi-media content can be found [here](#).

"Jim is a great leader who has already created tremendous value for PTC, its customers, shareholders and employees as a strategic member of the executive team," said Harrison. "With his background as an

CIMdata PLM Industry Summary

engineer, Jim is one of those rare individuals who can understand our customers' business requirements and couple that with a unique vision for the industry, a passion for technology and the leadership qualities to drive the company to deliver solutions that provide measurable business value. I couldn't imagine a better person to lead PTC and leverage the company's momentum."

Heppelmann, 45, joined PTC in 1998 as a Senior Vice President when PTC acquired Windchill Technology, a company he founded. He was promoted to Executive Vice President and Chief Technical Officer in June 2001, and two years later was named Executive Vice President of the Software and Marketing Group and Chief Product Officer. In this role, he was responsible for strategic direction, product development, and marketing. He joined PTC's Board of Directors in May 2008 and was named President and COO in March 2009. Heppelmann has worked in the information technology industry since 1985 and is widely credited with driving many of the most significant technology advancements in product lifecycle management (PLM).

"I have tremendous respect and appreciation for Dick. He's built one of the truly great enterprise software companies," said Heppelmann. "PTC has a talented team, superior technology and a winning strategy. We're well positioned to capture the huge opportunity in the market today and achieve our goal of 20% non-GAAP earnings growth. I am thrilled to have the opportunity to lead a company I believe in so strongly."

"This has been a well-defined and well-orchestrated succession plan," added Donald K. Grierson, PTC's lead independent director. "The board couldn't be more satisfied with its choice of Jim to take on the role of CEO. The board also wants to thank Dick for guiding the company to this point and for his commitment to play an ongoing role in support of the company's strategic plan. Dick's leadership has been key in building PTC into the leading company it is today."

As Executive Chairman, Harrison, 54, will focus on key customer and investor relationships that support the company's strategic initiatives, while continuing to perform his duties as Chairman of the company's Board of Directors.

For more information go to <http://www.ptc.com/company/jim-heppelmann-ceo-announcement>

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LMS North America and the Center for Professional Studies to Offer Simulation/Test Engineer Certification

30 April 2010

[LMS](#) and the Center for Professional Studies (CPS), a State of Michigan licensed technical training institution, partnered to offer the first Simulation / Test Engineer certification program. Currently there is no certification for this specific group of technical professionals being offered by academia, industry or professional organizations. Through their partnership, LMS and CPS are able to provide targeted training in software tools and methodologies along with the hands-on application in a real world setting beginning in June 2010.

"We are very excited about working with LMS in this area. Certification in Simulation/Test Engineering will offer our students a huge advantage in the market place as engineering departments across all industries scramble to meet the challenges of delivering innovative and high performing products faster," states Daryl Patrishkoff, Chief Executive Officer of CPS. "The certification will give these engineers the proficiency in a variety of virtual simulation and testing tools to refine areas such as

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system dynamics, safety and power consumption.”

In addition, to the Simulation/Test Engineer certification, CPS offers technical professionals certification in Design Engineering, Program Management and Lean Six Sigma, with all certifications including hands-on experience with a CPS Partnering Company.

About CPS

The [Center for Professional Studies](#) is a Michigan based; licensed training institute founded in 1993 to provide industry specific technical education that is developed and facilitated by industry experts. CPS has provided hands-on technical training to more than 7,000 students and 400 corporations.

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Missler Software Reinforces its Position on the Swiss Turn Market with a New Subsidiary in Switzerland

4 May 2010

[Missler Software](#) recently opened a new development centre in Delémont, in the French-speaking part of Switzerland. The new subsidiary is called Missler Software Switzerland and will be in charge of the development of CAD/CAM solutions for the Swiss turn market, an activity which Missler Software believes to be complementary to its core CAD/CAM TopSolid range. 4 employees will be based in the new offices. The creation of Missler Software Switzerland also reinforces Missler Software’s partnership with company JINFO, who will distribute the TopSolid product range in the French-speaking region of Switzerland.

Marc Choquin, French Sales Director for Missler Software, explains the increasing necessity for manufacturers to have a high-performance programming and simulation program enabling them to carry out preparatory machining operations in the background while other machining operations happen in parallel. « Swiss turn machines are increasingly complex, notably in the setting up, tuning and program-optimisation stages which all take place simultaneously. Being aware of and having studied the limits of standard CAM packages to program this type of machine, Missler Software has decided to invest in the swiss turn market to meet the complex needs present. This project also complements our mill-turn offer where TopSolid’Cam is a leader in the programming of complex machines.”

The first stage of the swiss turn project has been the creation of Missler Software Switzerland in the French-speaking region of Switzerland, which is considered the heartland of Swiss turning development. Part of the SylvieExprt (3D Cam software for the Swiss turn market) development team was recruited by Missler Software to offer its expertise in this highly specialized activity.

According to Christian Arber, CEO of Missler Software « The creation of a development centre in Switzerland confirms Missler Software’s dedication to the production market and clearly indicates the company’s desire to be the leader on this market. Our decision to continue heavily investing in development at this time shows our confidence in the future of the TopSolid CAD/CAM product range and in our development potential.”

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Over 20,000 Customers Help Development of 2011 Autodesk Product Line

11 May 2010

CIMdata PLM Industry Summary

Over 20,000 members of the [Autodesk Customer Feedback Programs](#) played a key role in the development and beta testing of Autodesk's 2011 product line, and Autodesk is issuing an open invitation for additional customers to join and participate in the testing and shaping of future products.

"Autodesk customers play a critical role in our software development, testing and validation process" said Chris Bradshaw, Autodesk senior vice president and Chief Marketing Officer. "Members of our beta programs provide us with essential feedback at many stages in the development cycle, which helps our products meet the needs and demands of our user community. We are always looking for new members of our Customer Feedback Program and invite Autodesk customers to help shape the future of our products."

The Autodesk Customer Feedback Program, which began over 10 years ago, is an interactive online community where Autodesk users can experience products before they're officially released. Thousands of Customer Feedback members were given advance access to the 2011 releases of Autodesk software including [AutoCAD](#) software, [Autodesk Inventor](#) software, [Autodesk 3ds Max](#) software and [Autodesk Revit](#) software, helping to improve the stability of these releases and address the needs of the user community. Beta users also have the opportunity to test and influence the course of future products during the development phase and learn new features early, so migration to newer software versions is easier. Beta testing is an important part of developing successful products as it provides a real world environment that is far more robust than any QA or lab testing process.

Autodesk welcomes customers on multiple platforms to participate in the Customer Feedback Program. With Autodesk's increased offerings for Apple products, including the recent launch of [Autodesk Smoke](#) for Mac OS X, native Mac versions of [Autodesk Maya](#) and the [Autodesk Alias](#) products, [Autodesk SketchBook Mobile](#) for iPod and iPod Touch, [Autodesk SketchBookPro](#) for iPad, and support for [most other Autodesk applications](#) running on Boot Camp and Parallels, users of Apple hardware are encouraged to join. Customers can register and complete an online Community Profile at <https://beta.autodesk.com/signup>. Members must agree to terms of a non-disclosure agreement to participate.

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SAP First Global Technology Software Provider to Join the Sustainability Consortium

11 May 2010

[SAP AG](#) announced that it is joining [the Sustainability Consortium](#) as the organization's first global technology steering committee member. The Sustainability Consortium is an independent organization of diverse global participants working collaboratively to build a scientific foundation that drives innovation to improve the sustainability of consumer products.

SAP has the experience and global scale required to speed development and adoption of technology that will support the Sustainability Consortium's goal of developing open standards and transparent solutions to drive a new generation of products and supply networks that address environmental, social and economic imperatives.

"We're excited to have SAP supporting the Sustainability Consortium's work as our first information technology steering committee member," said Jeff Rice, director of IT Systems and Strategy for the Sustainability Consortium. "SAP brings in-depth experience and knowledge in enterprise systems and has a significant installed presence in organizations throughout consumer goods supply chains."

CIMdata PLM Industry Summary

SAP takes a business approach to holistically addressing sustainability in its own operations and for its customers. Addressing sustainable consumption and resource productivity are clear priorities. By working collaboratively with members of the Consortium, SAP can help retailers and consumer products goods companies increase their profitability by improving their sustainability performance. SAP is committed to developing and enhancing products and services, such as the life-cycle assessment capabilities in the [SAP® Carbon Impact](#) on-demand solution, which help companies achieve greater levels of operational efficiency and address the growing demands of consumers and other stakeholders for safe, sustainable products.

In 2009 SAP announced an increased strategic focus on sustainability, which includes both managing internal operations in a sustainable way and delivering solutions that support customers' sustainable business practices.

"With a global outlook and market leadership in the retail and consumer products industries, and their respective supply chains, SAP is a natural fit to help drive the technology and contribute to standards that will support the Sustainability Consortium's mission," said Glenn Wada, vice president, Sustainability, SAP Americas. "Our goal in working with the Sustainability Consortium is to streamline and accelerate the way trading partners exchange information across supply chains, providing true transparency and strategic insight to drive tangible operational gains. Enabling sustainability is an integral part of our commitment to helping our customers become best-run businesses."

Together with its partners, SAP offers a comprehensive portfolio of sustainability solutions, including SAP Carbon Impact, the [SAP® BusinessObjects™ Sustainability Performance Management](#) application, the [SAP® Environment, Health, and Safety Management](#) application and [SAP® Best Practices packages for sustainability](#). Visit the [sustainability solutions area](#) on SAP.com for more details. Follow SAP sustainability news on Twitter [@sustainableSAP](#).

About the Sustainability Consortium

The Sustainability Consortium is an independent organization of diverse global participants – academics, governments, NGOs and businesses – that work collaboratively to build a scientific foundation that drives innovation to improve consumer product sustainability. It develops transparent methodologies, tools and strategies to drive a new generation of products and supply networks that address environmental, social and economic imperatives. The Sustainability Consortium advocates for a transparent process and system, not individuals or organizations. The Sustainability Consortium is jointly administered by Arizona State University and the University of Arkansas. Learn more at <http://www.sustainabilityconsortium.org/>.

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SME Education Foundation and Siemens PLM Software Prepare Students for Global Manufacturing Arena

11 May 2010

The [SME Education Foundation](#) and [Siemens PLM Software](#) offer SME Education Foundation sponsored schools the opportunity to use the latest state-of-the-art PLM tools in their curriculum.

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Siemens PLM Software and the SME Education Foundation will provide a total solution package to the academic institution including unlimited seats of any Siemens PLM Software technology, free center-based training and free upgrades and tech support.

The range of software includes [Teamcenter® software](#), Siemens PLM Software's digital lifecycle management solution; [Tecnomatix® software](#), Siemens PLM Software's digital manufacturing solution; [NX™ software](#), Siemens PLM Software's comprehensive digital product development solution; and [Solid Edge® software](#), the core CAD component of the [Velocity Series™ portfolio](#), a comprehensive family of solutions addressing PLM needs of the mid-market.

Siemens PLM Software will provide access to PLM technology, which otherwise would be out of reach for the academic community, giving students a distinct advantage by being able to use the same PLM technology used by leading multi-national manufacturing companies around the globe. The experience gained in the use of these tools better prepares students for today's highly-competitive manufacturing jobs requiring full knowledge of modern technologies and tools.

Siemens PLM Software's solutions are a powerful enhancement to every level of curriculum. Undergraduate and graduate students can use the software to acquire skills in simulation, robotics, manufacturing processes, facilities planning and product data management. Secondary students are engaged in activities that will reinforce their high school experience and encourage them to consider careers in science, technology, engineering and math.

Applying for a Siemens PLM Software Grant:

[Siemens PLM Software Grant](#) applications will be evaluated based on school size, academic program content, program exposure, community impact and financial need. A typical grant involves in-kind contributions of the PLM software for a set period of time along with support and upgrades covered by the grant. Extensive training materials are also available.

GO PLM Program:

[Siemens PLM Software's GO PLM™](#) provides PLM technology to more than one million students yearly at nearly 10,500 global institutions, where it is used at every academic level – from grade schools to graduate engineering research programs. For more information on GO PLM and the partners and programs it supports visit www.siemens.com/partners/goplms.

About the SME Education Foundation:

The SME Education Foundation is committed to inspiring, supporting and preparing the next generation of manufacturing engineers and technologists in the advancement of manufacturing education. Created by the Society of Manufacturing Engineers in 1979, the SME Education Foundation has provided more than \$29 million since 1980 in grants, scholarships and awards through its partnerships with corporations, organizations, foundations, and individual donors. Visit the SME Education Foundation at www.smeef.org, www.CareerME.org and award-winning web site for young people, www.manufacturingiscool.com.



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Technia Enters into Strategic Partnership with Design Rule

3 May 2010

Technia and Design Rule, one of the leading PLM specialists in the United Kingdom, announced an expanded partnership agreement that enables Design Rule to distribute and support Technia Value Components (TVC) for MatrixOne and EnoviaV6 within the United Kingdom.

Technia Value Components are designed to help companies improve end user productivity and reduce implementation time of Dassault Systèmes PLM solutions; spanning from the latest ENOVIA V6 to the previous Matrix based ENOVIA versions.

"The partnership with Design Rule is an important strategic step in Technia's expansion. We constantly seek partners with outstanding PLM knowledge who also share Technia's basic values of putting our customers first. Design Rule fits these criteria well and this agreement will strengthen our European footprint" says Ylva Berg, CEO, Technia AB.

"This welcome agreement with Technia is an important opportunity for us to strengthen our presence in the United Kingdom as the leading PLM solution partner for ENOVIA V5 and V6. Adding TVC to our portfolio strengthens our V6 offering and gives us the tools to enhance end-user productivity and adoption rate at ENOVIA customers, as well as delivering cost effective ENOVIA implementations" says Bob Hiller, CEO of Design Rule Ltd.

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Events News

ESI Announces Its PAM-DIEMAKER for CATIA V5 Roadshow 2010

11 May 2010

Sheet metal forming simulation has become a powerful tool for the industry as it helps prevent and solve problems occurring during production. The new trend is to integrate the design stage into PLM/CAD systems and link directly from there to the simulation. This is where [ESI](#) contributes by offering [PAM-DIEMAKER for CATIA V5](#), a rapid die design software directly integrated within the CATIA V5 environment.

[ESI](#) is launching its worldwide Rapid Die Face Design with [PAM-DIEMAKER for CATIA V5](#) Roadshow on May 27, 2010 in Zamudio, Spain. This free roadshow is a series of CATIA V5 Embedded Die Design seminars designed for tool designers, manufacturing engineers, stamping simulation and CAE professionals, where participants will discover the benefits of the next generation die design software. The full-day seminar gives the opportunity to meet the experts and see how [PAM-DIEMAKER for CATIA V5](#) can help save time and cost in die design, both in the feasibility stage and in the validation phase.

Indeed, the solution allows the non-interruption of the data flow between all die engineering as well as the maintenance of design iterations within the PLM (Product Lifecycle Management), while still delivering a fast connection to the simulation world for rapid feasibility assessments. Using [PAM-DIEMAKER for CATIA V5](#), tool designers are thus able to minimize their workload by implementing tool design and process knowledge, and by following the natural tool face design process. It also provides them guidance and support for part preparation, binder development and die addendum.

CIMdata PLM Industry Summary

“The software tool *PAM-DIEMAKER for CATIA V5* gave us the opportunity to perform all the steps of our work in a single environment during all phases of the development process,” said Vladimir B. Ferreira Jr., Tech Center at Tower Automotive in Brazil. “This brought us more speed for our cost estimation analysis, with precise blank sizing and formability simulations. We are finally more competitive when we present an offer to our clients, having strong arguments with a quality guaranteed.”

The Rapid Die Face Design with [PAM-DIEMAKER for CATIA V5](#) Roadshow will take place in seven different locations over a 3-month period:

- * Bilbao, Spain on May 27, 2010
- * Paris, France on June 9, 2010
- * Milan, Italy on June 10, 2010
- * Erfurt, Germany on June 24, 2010
- * Beijing, China on June 30, 2010
- * Shanghai, China on July 2, 2010
- * Seoul, Korea on July 6, 2010

For registration & exact locations visit: www.esi-group.com/corporate/events/rapid-die-design-roadshow-with-pam-diemaker-for-catia-v5

For more information on ESI’s PAM-DIEMAKER for CATIA V5, please visit: www.esi-group.com/metal-forming/catia-v5

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ESI Global Forum 2010 Worldwide Users Conference Will Feature over 80 Presentations on Virtual Prototyping

12 May 2010

[ESI Global Forum 2010](#) Users Conference taking place on May 19-20, 2010 in Munich, Germany, will be the opportunity to witness some of the ambitious new projects undertaken by [ESI](#) customers worldwide showcasing the growing importance of [End-to-End Virtual Prototyping](#) and its already significant benefits.

Effective [End-to-End Virtual Prototyping](#) anticipates the surprises coming from tests made on real (hardware) prototypes by virtually fabricating, building and testing the product in coherent progressive stages: part by part, component per component and per assembly, and concurrently across multiple domains. A good Virtual Prototype enables at each step of the development cycle to test the performance, margins and robustness on the virtual model under assessment, in order to evaluate and correct, if needed, some critical aspects of the product design or fabrication.

In some cases, the imperatives of innovation drive us to a design that goes beyond traditional and regulatory bounds, moving us to where industrial experience becomes insufficient: facing uncertain sizing margins, random robustness, and problematic validation of the new product. The Project Manager is then confronted with uncharted processes while being expected to develop and justify a trial plan for manufacturing and multi-domain performance to evaluate the safety margins and guarantee product robustness.

This is where [End-to-End Virtual Prototyping](#) finds its compelling justification: to meet this “high anxiety” associated with innovative design by providing a reliable methodology both progressive and economical. It enables product development teams to produce concurrently quality results: accurate, for the right cost and at the right time with impressive benefits.

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Over 80 user presentations will be held during [ESI](#)'s worldwide users conference, among whom the following keynote speakers:

- Toshihiro Araki from NISSAN MOTOR CO. LTD., CAE current status and future plan at Nissan Motor
- Stéphane Baril from EADS Astrium ST, Satellite Antenna Reflector Design and Optimization using Vibro-Acoustics Simulation
- Roger Herdy from Qualis Corporation, Vdot™: A Software Solution to Optimize Aerospace Applications
- Dr. Bernd Mlekusch from Audi AG, CAE-Aided Car Body Design

Parallel sessions are organized by simulation trade: Virtual Performance (crash, impact, safety and comfort), Multiphysics, Vibro-Acoustics, Electromagnetics, Casting, Sheet Metal Forming, Welding, Composites & Plastics.

The detailed agenda, speakers & abstracts are available at: www.esi-group.com/globalforum2010

[ESI Global Forum 2010](#) is catered to all willing to discover, share ideas and experiences on Virtual Prototyping for product performance, materials selection and manufacturing processes to get the job done at the right time. Participants include designers, engineers, analysts and managers of customer and partner companies from around the world and from various industries among which transportation, aeronautics, marine, energy, heavy industry, high-tech & electronics, as well as leading European academic institutions.

Online registration is available at: www.esi-group.com/globalforum2010/Registration

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ESPRIT 2010, by DP Technology, at EASTEC 2010 West Springfield, Mass., May 25-27

12 May 2010

[DP Technology Corp.](#) will exhibit the latest version of its software May 25-27, when EASTEC 2010 takes place in West Springfield, Mass.

Considered the East Coast's premier one-stop shop for breakthrough technologies for more than three decades, EASTEC is a major resource for the cutting edge in not only solutions and machine tools, but in all aspects of the manufacturing industry. This year, the show is expected to attract roughly 500 exhibitors.

Attendees of EASTEC 2010 are encouraged to visit the ESPRIT booth, No. 5359, where knowledgeable DP representatives will be available to discuss vital upgrades and perform demonstrations of how to best make those upgrades work for them.

ESPRIT 2010 offers improvements in the support of integrated multi-tasking, mill-turn machine tools. All ESPRIT milling and turning machining capability, from 2-axis turning to 5-axis milling, is available for any type of mill-turn machine tool, including lathes that perform milling, mills that perform turning, Swiss-style machines and other "integrated mill-turn machining centers." In the 2010 release, support for these multi-tasking machine tools has been enhanced through increased flexibility in cutting tool configurations and orientations, enabling the support of a wide variety of machines. The newly added support for additional rotary axes, three or more, allows the ESPRIT customer to completely program

and easily simulate the most complex and sophisticated machine tools currently available on the market.

For the ESPRIT wire-EDM customer, the 2010 version includes support for EDM machines with rotary axes. This allows EDM programmers to perform wire-EDM cutting in 5- and 6-axis using turn-and-burn (indexing the rotary table), and turn-while-burn full 5-axis simultaneous cutting with a rotary table. This new version also provides EDM programming with an innovative new 4-axis pocketing, no-core cutting, machining cycle.

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GibbsCAM Demonstrated at Mazak R3 Northeast Event

10 May 2010

Gibbs and Associates (or "Gibbs") announced \ that it will demonstrate its complete GibbsCAM MTM (multi-task machining) solutions at the upcoming Mazak R3 Event, held at Mazak's Northeast Technology Center in Windsor Locks, Connecticut on May 25-26, 2010. During the event, demonstrations of GibbsCAM will highlight the focus of the event – “Learn how multi-tasking can make you more competitive in the 21st century”.

“Gibbs partnership with Mazak ensures that GibbsCAM fully supports Mazak's complete product line of machine tools, especially their multi-tasking models, which clearly provide competitiveness realized through advanced manufacturing technologies,” stated Roger Ablett, Gibbs' General Manager of the Strategic Partner Program, who is responsible for Gibbs' relationship with Mazak worldwide. “It is a real pleasure for us to continue supporting Mazak during this R3 progressive learning opportunity.”

The latest version of GibbsCAM will be demonstrated at the Mazak R3 Event, including GibbsCAM MTM (Multi-Task Machining) and Machine Simulation modules which have been specifically configured for Mazak machine tools. For many years, Gibbs and Associates has provided CNC programming support as new Mazak machine models and variations are developed, so that Mazak customers can swiftly put their machines into production. Gibbs regularly receives specifications and guidance from Mazak, and Gibbs engineers work closely with Mazak engineers at Mazak Technology Centers worldwide. This helps to validate and refine GibbsCAM post processors for the unique configuration and capabilities of Mazak CNC machines, including Mazak's broad line of complex multi-axis, multi-tasking machines. As a result, Gibbs offers one of the widest ranges of post processors for Mazak machines available from any CAM vendor.

GibbsCAM MTM provides a powerful, yet easy to use means to program advance multi-tasking machine tools, such as Mazak Integrex line, allowing the user to focus on developing the most optimal program for their machine. GibbsCAM Machine Simulation provides a virtual environment, which can be used to prove-out machine setup, thereby saving setup time on the machine tool, and a simulation of the machine tool's motions, thus allowing potential crashes and inefficiencies to be identified and corrected before running the program on the shop floor. GibbsCAM's factory-supplied post processors for Mazak machine tools ensure that G-code can be run without hand editing.

For more information about GibbsCAM and GibbsCAM's MTM capabilities, visit the company's website, <http://www.GibbsCAM.com>.

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Lectra Exhibits Innovative Apparel 3D Virtual Prototyping Solutions at [TC]2 Cool Zone During

SPESA Expo 2010

11 May 2010

Lectra announced its participation at the [TC]² Cool Zone at SPESA Expo 2010, held May 18-20, 2010 at the Georgia World Congress Center in Atlanta. Lectra will demonstrate its Modaris 3D Fit prototyping and visualization solution in the Cool Zone booth 5749.

In conjunction with Lectra's participation at the Cool Zone, the company announces today its partnership with [TC]², a leading provider for the global soft goods industry specializing in technology development and supply chain improvement. [TC]² is well known for its ability to strategically and tactically align business practices; to implement 3D body scanning and related fit/shape analysis methodologies; and to help companies streamline operations to reduce non-value added activities and processes. Through this partnership, [TC]² will incorporate the skin of Lectra's 3D mannequins into their system for fast generation of 3D avatars out of body-scanned persons.

Modaris 3D Fit enables pattern makers, designers, developers and sales and marketing teams to simulate and visualize their models in 3D on a customized virtual model, using the color motifs and fabrics (taking into account their mechanical properties) originally created in Lectra's 2D pattern-making solutions. With Modaris 3D Fit, the design and fit of a garment can be verified, along with an entire collection validated, thus reducing the prototyping phase and related costs.

At the Cool Zone, Lectra will explore the integration and power of combining Modaris 3D Fit with their Kaledo® Textile Design solution. This combination is meant for designers, product developers, and sales and marketing teams to test and validate collaboratively a textile (print, knit or weave), a logo and its size and proportions on a 3D garment without requiring numerous physical samples. As a result, it reduces the number of prototypes and style validation costs, while facilitating the decision making process.

In order to address the personalization of 3D models, Lectra's partnership with [TC]² will demonstrate how raw data generated by [TC]²'s 3D Body Scanning Virtual Fashion application creates, in real-time from a real-life body scan, a realistic 3D avatar using the embedded reference meshes (skins), like those provided by Lectra's Modaris 3D Fit. This output (realistic 3D Avatar/model) will then be used live in virtual fashion, weight-loss visualization, and other applications on large screen displays at the Cool Zone booth.

"[TC]² has a successful track record of technological innovation for industries using soft materials," according to Roy Shurling, President of Lectra North America. "We are pleased to enter into this partnership to provide the most state-of-the-art 3D avatars from body-scanned images. In addition to this partnership, Lectra will be showcasing other technological breakthroughs for the apparel industry at SPESA."

At the Cool Zone, Lectra also demonstrates Romans Cad®© 3D Sketch module, part of the Romans Cad®© solution for footwear

In addition to Modaris 3D Fit, Lectra will feature the innovative Romans Cad 3D Sketch -- a unique solution, which enables designers to create textured sketches directly onto a 3D digital last using an electronic pen and graphics tablet. The Romans Cad 3D Sketch module offers designers a very similar experience to traditional hand-drawing. Designers can produce sketches on a 3D last and create a virtual prototype to be used directly by the development center. The result is greater consistency between the sketch and finished model, which drastically reduces development times, while increasing the number of

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realistic simulations for increased frequency of collection renewal.

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Over 160 Customer Success Stories Presented at 2010 aspenONE Global Conference

13 May 2010

[Aspen Technology, Inc.](#) announced that over 160 success stories were presented by AspenTech customers at the 2010 aspenONE Global Conference, held from May 3-6 in Boston. Over 500 customers from more than 200 process manufacturing companies in 43 countries shared best practices for using process optimization software to capture opportunity in today's changing global economy.

- The aspenONE Global Conference is the only industry conference exclusively focused on optimizing process manufacturing from design, through manufacturing and supply chain operations.
- AspenTech President & CEO Mark Fusco opened the event introducing the 2010 conference theme: "Capturing Opportunity." Following a keynote presentation by AspenTech Senior Vice President Manolis Kotzabasakis, leading process industry senior executives discussed how optimizing the entire process manufacturing value chain can deliver superior operational and financial results. Customer keynote speakers included:
 - Maggi Walker, VP of Engineering Solutions, Dow Chemical Company
 - Ed Daniels, EVP, Shell Global Solutions Downstream
 - Maurice Tayeh, SVP and CIO, Technip
- Following the opening session, the keynote speakers engaged in an interactive panel discussion moderated by FIATECH's Executive Director, Dr. Ric Jackson.
- During the conference, over 160 papers were presented across Engineering, Manufacturing and Supply Chain tracks that addressed the most pressing issues process industry companies face today including energy management, GHG reduction, integrated supply chain planning, manufacturing operations, megaprojects, alternative fuels, and achieving operational excellence.
- The conference also included the first ever AspenTech University Forum, with professors from MIT, University of Pennsylvania, Lehigh University, Virginia Polytechnic Institute and State University, University of Washington and others participating. These academic leaders discussed how to enhance university curricula to train the next generation of engineering professionals by further incorporating engineering software and best practices for knowledge transfer.

Supporting Resources:

- [aspenONE 2010 Global Conference web page](#)
- [aspenONE 2010 Global Conference Twitter feed](#)
- [aspenONE 2010 Global Conference customer video on Facebook](#)

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Tata Technologies ‘BETTER INNOVATION on Tour’ Demonstrates Automotive Engineering Innovation in Action

10 May 2010

[Tata Technologies](#) announced the second segment of “BETTER INNOVATION on Tour,” a multi-state tour that will be highlighted by the showing of the BETTER INNOVATION Nano at each stop throughout the spring.

The tour kicked off in April with visits to a client sites in Illinois and Michigan, including John Deere and Chrysler, and a stop at SAE Headquarters in Warrendale, Penn. This week, BETTER INNOVATION on Tour will visit Case New Holland (CNH), in Illinois, and will close out the week with a May 14 stop at Goodyear Innovation Day, at the Goodyear Innovation Center in Akron, Ohio.

Tata Technologies played a key role in engineering the Nano, which is produced by Tata Motors in India, for the Indian market. The company is using the car to highlight its full-vehicle engineering and design capabilities to clients, engineering students and select automotive and engineering media.

The Nano featured in BETTER INNOVATION on Tour is owned by Tata Technologies and is on loan from its Center for Advanced Engineering and Design in Pune, India. It is the first-ever Nano to be displayed in North America, making its debut at the Tata Technologies BETTER INNOVATION event at the Detroit Science Center on January 14.

“The innovative thinking that brought the Tata Nano to market is symbolic of what Tata Technologies has to offer the automotive industry,” said Warren Harris, Tata Technologies’ President and COO. “Tata Technologies was front-and-center in engineering and developing the Nano; working closely with Tata Motors and with a significant number of the Nano project suppliers.”

Tata Technologies was involved from concept to launch on the Nano project, working on the concept, advanced engineering, body-in-white, interior, exterior and even playing a role in the innovative approach taken to manufacturing.

Tata Technologies contributed to more than 18 patents on the Nano project, according to Ron Bienkowski, Tata Technologies’ Executive Vice President – Marketing and Communications, who is coordinating BETTER INNOVATION on Tour. “Our work on the Nano is part of a sweeping wave of change within the automotive industry – the use of truly global engineering resources.”

Follow BETTER INNOVATION on Tour on the recently launched BETTER INNOVATION Web site, <http://www.betterinnovation.com>, where visitors will find complete listings of tour stops, as well as photo and video galleries of BETTER INNOVATION on Tour events.

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Financial News

CENIT Posts Highly Stable 1st Quarter

10 May 2010

CENIT has posted a very stable start to the 2010 business year, matching 2009 levels as projected. Early in the year, we were already able to halt the negative trend that our US business had shown in 2009. Assuming that the financial markets will see sustained recovery and that the economic crisis will have no further long-term consequences, we expect positive business developments for the medium term. Our

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strategy aims to increase proceeds from software and software-related sales and to stabilize our business in the fields of service and consulting. The service segment continues to suffer from short-time work in the auto industry.

During the 1st Quarter 2010, CENIT Group achieved total sales revenues of 20.7 m EUR (2009: 21.8 m EUR/-5%). Sales of non-CENIT software totaled 6.04 m EUR (2009: 5.35 m EUR/+13%). Sales of proprietary software contracted from 1.81 m EUR to 1.75 m EUR (-3%). Turnover from services and consulting reached 12.52 m EUR (2009: 14.45 m EUR/-13%). Other revenue amounted to 0.41 m EUR (2009: 0.19 m EUR /+116%). The gross profit was 14.4 m EUR (2009: 15.8 m EUR/-9%). CENIT achieved EBITDA of 0.99 m EUR (2009: 1.0 m EUR) and EBIT of 0.64 m EUR (2009: 0.64 m EUR). The result per share was 0.06 EUR (2009: 0.06 EUR).

Development of Orders

During the past Quarter, incoming orders totaled 26.8 m EUR Group-wide (2009: 26.3 m EUR). On 31 March 2010, orders in hand totaled 27.1 m EUR (2009: 30 m EUR).

Asset and Financial Situation

CENIT has neither short- nor long-term obligations towards credit institutions. On the balance-sheet date, the Group's net worth was 28.71 m EUR (31 Dec 2009: 28.1 m EUR), with an equity ratio of 60% (31 Dec 2009: 64%). On the balance-sheet date, bank deposits and securities totaled 20.8 m EUR (31 Dec 2009: 19.5 m EUR).

Staff

On 31 March 2010, CENIT employed 669 staff Group-wide (31 Mar 2009: 710).

Participations/Foreign Holdings

CENIT (Switzerland) AG, Frauenfeld/Switzerland

During the past Quarter, CENIT (Switzerland) AG posted sales revenues of 0.7 m EUR (2009: 1.2 m EUR), at EBIT of 0.04 m EUR (2009: 0.6 m EUR).

CENIT NORTH AMERICA Inc., Auburn Hills/USA

CENIT North America Inc. achieved sales of 1.4 m EUR (2009: 1.6 m EUR), accounting for EBIT of 0.07 m EUR (2009: -0.07 m EUR).

CENIT SRL, Iasi/Romania

CENIT SRL recorded sales of 0.1 m EUR (2009: 0.16 m EUR), achieving EBIT of -0.04 EUR (2009: 0.08 m EUR).

CENIT France SARL, Toulouse/France

Posting a sales total of 0.1 m EUR (2009: 0.1 m EUR), CENIT France SARL attained EBIT of 0 m EUR (2009: 0.01 m EUR).

Outlook

For the 2010 business year, we project positive developments on the basis of the results attained in 2009, and continue to adhere to the statements made in the Annual Report.

You can find the complete 3-Months Report on our webpage <http://www.cenit.de/quartalsbericht>.

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Implementation Investments

Alstom and Infosys Technologies Partner to Develop Next Generation Power Solutions

11 May 2010

Alstom and Infosys Technologies Limited announced the expansion of their strategic partnership in areas of global Research and Development (R&D), Engineering and Engineering IT services. This partnership envisages substantial strategic investments over the next five years to develop next generation solutions for the power sector.

Infosys will provide support to Alstom Power's global business units in core business areas including Product Development, Simulation, Product Lifecycle Management (PLM), and Engineering IT. Infosys will also support Alstom in building knowledge management processes for its design and engineering teams. This collaborative operating model will enable Alstom to benefit from faster time-to-market for new products, customization and adaptation of existing products for emerging markets, while also sustaining its current offerings.

"We see this long-term technological partnership with Infosys, a leader in Information System Technology, as one of the key drivers to developing the next generation of Alstom's power solutions," said Mr. Philippe Joubert, President, Alstom Power. "Given our experience with Infosys and our confidence in their strong competencies, they are a natural partner of choice. This endeavor also underlines our commitment to invest in Asia, particularly in India."

This engagement builds upon the existing relationship between Alstom and Infosys, which began in 2005 with the establishment of the Alstom R&D Center at the Infosys campus in Mysore and now extends to all of Alstom Power's business units. Most recently, an additional Alstom R&D center has been established at the Infosys campus in Pune.

"[Infosys](#) has invested in engineering and technology specific centers-of-excellence to support Alstom Power globally," said Mr. BG Srinivas, Member of Infosys' Executive Council. "As Alstom Power strengthens its focus on emerging markets, we have been able to combine our deep understanding of their business and engineering processes with our extensive knowledge of these markets to function as an innovation hub for Alstom."

About Alstom

Alstom is a global leader in the world of power generation and rail infrastructure. Alstom builds the fastest train and the highest capacity automated metro in the world, and provides turnkey integrated power plant solutions and associated services for a wide variety of energy sources, including hydro, nuclear, gas, coal and wind. Alstom brings international expertise and extensive knowledge of local markets as a fully integrated provider of clean, efficient and technologically advanced power system solutions in all key energy markets. The Group employs around 76 500 people in 70 countries. For more information, visit <http://www.alstom.com>

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Catalog Data Solutions Catalog and CAD Downloads Implemented by California Caster and Hand

Truck Company

11 May 2010

Catalog Data Solutions ([CDS](#)) announced that California Caster's new website incorporates CDS ModelServer and CDS Catalog to present and aid online selection of products and CAD model downloads. Try the solution at <http://www.californiacaster.com/>.

California Caster and Hand Truck Company Inc. manufactures and distributes a large range of Caster products. "Our caster product range is broad and comprehensive – adding a parametrically searchable catalog and CAD model downloads to our new web site saves our customers time in finding, selecting and then including our products within their designs," said Mike McClure, General Manager, California Caster and Hand Truck Company Inc. "We're delighted with the implementation by CDS and as expected we are seeing an immediate increase in the number of online leads, RFQs and sales."

"CDS is delighted to have been selected by California Caster and Hand Truck Company for our leading SaaS Catalog and CAD download solution which is now fully integrated into their website", said John Major, CEO Catalog Data Solutions. "Online 3D models are an important sales and marketing tool for all industrial suppliers and distributors and this implementation exploits the Adobe® 3D CAD capability to add another user convenience - all the California Caster product CAD models are viewable with the Adobe® 3D PDF viewer already installed on most PCs."

Catalog Data Solutions helps industrial suppliers and distributors grow sales and strengthen customer loyalty through interactive online catalogs, ecommerce, 3D CAD model delivery and product configurator solutions.

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Ivory International Implements NGC's CPSIA Compliance

11 May 2010

[NGC](#)® (New Generation Computing®) announced that Ivory International, a private label manufacturer of men's and women's apparel for leading retailers, has implemented NGC's CPSIA Compliance Software. The software streamlines complex testing processes, making it easier for companies to meet the stringent requirements of the Consumer Product Safety Improvement Act (CPSIA).

NGC's CPSIA Compliance software is a web-based solution that includes a complete set of management features such as workflow calendars, collaboration, exception management, and email alerts.

It integrates with NGC's e-PLM® for Product Lifecycle Management and e-SPS® for global sourcing and visibility, both of which have been implemented at Ivory International. With the CPSIA software, Ivory can manage the process of requesting, tracking, approving and sending the Certificate of Compliance (COC) documents that are mandated by the CPSIA.

In addition, NGC's software will enable Ivory International to streamline its other testing process, including the dozens of third-party lab tests that brands and retailers perform on styles, components and materials. "Our customers include a number of Tier 1 retailers, each with its own unique testing requirements," explains Roger Mayerson, executive vice president and director of sourcing, Ivory International. "As a fast-paced, design-driven company, Ivory International needed a solution that would enable us to efficiently manage all of our testing processes including CPSIA. We are excited to be able

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to incorporate the CPSIA module as an integral part of our PLM and global sourcing solution from NGC.”

“Managing compliance and testing is a critical part of the product lifecycle in apparel and retail, and NGC is proud to be the first apparel-specific software company to offer a solution for CPSIA compliance,” said Alan Brooks, chairman, NGC. “We appreciate the strong relationship that NGC has developed with Ivory International, and we’re pleased that Ivory selected our CPSIA software to further extend the value of NGC’s PLM and global sourcing solutions.”

About Ivory International

Ivory International is a leading manufacturer of private label apparel goods for top-tier retailers in the United States and is headquartered in Miami, Florida.

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Longchamp Selects PLM, Sourcing and Calendar Management from Centric Software

11 May 2010

French leather and luxury goods company Longchamp has selected Centric Software, Inc., to provide its product lifecycle management (PLM) system.

The Paris-based company has purchased Centric's Product Specification, Sourcing and Calendar Management modules. Longchamp will use the Centric 8 system to improve collaboration and productivity throughout its product development process, and maintain its high quality standards.

"With Centric 8, our teams can share key product and design information more rapidly, easily and accurately than ever," explains Sophie Delafontaine, Artistic Director at Longchamp. The improved data visibility for marketing, design, purchasing, quality and manufacturing will enable step-by-step tracking and follow up on product designs, components and samples throughout the entire product development process, "steps that are absolutely critical to delivering the quality products on which Longchamp's customers have come to depend."

Selection Process

Longchamp chose [Centric](#) after careful research and evaluation, according to Delafontaine. She notes Centric's specialization in and understanding of the fashion market. "Longchamp valued a PLM system that is designed specifically for companies in the fashion and consumer goods industries," she explains. "With multiple seasons each year, and several operating groups simultaneously working on product development in tight timeframes, we needed a solution that centralizes all design information. Centric meets all those needs."

Centric's web-based system is exceptionally easy to learn and use and will integrate to Longchamp's ERP system, Delafontaine adds. Another factor in the Longchamp decision was the thorough understanding of fashion industry business processes displayed by the Centric team. "We know exactly with whom we'll be working at Centric," stresses Delafontaine, "and we know that each member of the team is committed to Longchamp's success."

"With Centric 8, [Longchamp](#)'s team can concentrate more on the creative processes that enable them to deliver desirable, high quality products to their markets, and less on administrative tasks," says Chris Groves, president and CEO of Centric Software. "Longchamp realized that not all PLM systems are designed to meet the specific needs of the fashion industry," states Groves. "An easy-to-use, rapidly

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implemented PLM system like Centric's will speed product lines to market, help reduce costs, and improve the effectiveness of valuable product managers and other personnel. We're pleased to welcome Longchamp as a Centric customer and are confident of the success we will share together."

Longchamp was founded in Paris in 1948 by Jean Cassegrain, and the company is still owned and run by the Cassegrain family. Diversified into luggage, handbags and accessories, Longchamp has asserted its fashion credentials with high-profile advertising campaigns, the creation of internationally desirable It-bags and the launch of a complete ready-to-wear collection.

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OHB Technology AG Chooses HyperWorks as Standard CAE Development Platform

10 May 2010

[Altair Engineering, Inc.](#) announced that OHB Technology AG has increased its usage of [HyperWorks](#) to consolidate its pre- and post-processing tools to one software suite across all subsidiary companies of the group, including OHB-System, MT Aerospace, Luxspace and Kayser-Threde.

In this context, HyperWorks was selected to be the standard computer-aided engineering (CAE) development platform across the entire OHB Technology AG organization. HyperMesh and HyperView will be used in all current and future development projects, among them the Galileo satellites, a project OHB recently won, as well as other satellite and space projects, including the SGEO and the EnMAP satellites or to develop racks for the International Space Station.

"Since engineers from different companies of our group work concurrently on development projects, it was important for us to harmonize our development tools, especially our pre-processing software to one CAE environment," said Ulrich Schulz, chief operating officer, OHB Technology AG. "Moreover, because of the challenge represented by the development of complex space systems under extreme scheduling pressure, our engineers must be able to rely on simulation tools that offer not only technical excellence but are also flexible and efficient. HyperWorks provides us with what we need: HyperMesh and HyperView are now daily used by our structural engineers as the standard CAE development platform, Altair's optimization tool, OptiStruct, offers an ideal solution to support structural concept design, and the third party partner products of the HyperWorks Partner Alliance allow us to cover niche applications at no additional costs. The licensing system, which offers a flexible access to all the tools we need group wide, was an extra benefit for Altair's CAE suite."

"The decision of OHB Technology AG to make HyperWorks its standard CAE platform shows that we have the technology and the commercial offering our customers need," said Dr. Detlef Schneider, managing director, Altair Engineering GmbH. "Some of the group's subsidiaries have been using HyperWorks for a long time already. To broaden the use of our CAE suite to all development departments within the group will help OHB to consolidate development efforts and will enhance collaboration between the different companies. The HyperWorks licensing system guarantees an efficient and flexible workflow and we are very proud that HyperWorks is used in such an important future driving project as the Galileo program."

About OHB Technology AG

The European company for Space Technology & Security, Telematics and Satellite Services domiciled in Bremen, [OHB Technology AG](#) is Germany's first listed space technology company. With over 25 years of experience in high technology together with its integrated skills in the areas of aviation,

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aerospace and telematics, the Group is ideally positioned in Europe. Its four business units "Space Systems + Security", "Payloads + Science", "Space International", "Space Transportation + Aerospace Structures" and "Telematics + Satellite Operations" offer international customers sophisticated solutions and systems.

Total consolidated revenues came to EUR 320 million in 2009. Since the stock market flotation in 2001 and the integration of the Space Systems business unit in the OHB Group in 2002 as well as the acquisition of MT Aerospace AG in 2005, Kayser-Threde GmbH in 2007 and Carlo Gavazzi Space in 2009, total revenues have risen from EUR 15.0 million (2001) to EUR 320 million. OHB Technology AG currently has around 1,600 employees.

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Scandinavian Construction Industry Supplier Selects IFS to Increase Profitability

10 May 2010

Contiga, one of Scandinavia's leading suppliers of steel and concrete constructions for the construction industry has selected IFS in order to increase profitability by enhancing project management and streamlining information flows. The agreement covers licenses, consulting services and maintenance worth more than SKr 6 million and includes options for further implementations of IFS Applications.

Contiga is a leading producer of prefabricated structures in concrete and steel for office buildings, hotels, industrial premises, public buildings, and apartment blocks. The company has operations in a large number of locations in Sweden and Norway.

Contiga will implement IFS Applications components for manufacturing, engineering and distribution. This integrated, comprehensive solution will improve project management, among other things by providing complete transparency throughout the value chain, support for consistent long-term and short-term planning, and the ability to shorten manufacturing lead times. This will improve Contiga's productivity and profitability.

"We chose IFS after a comprehensive evaluation in which the industry competence and experience of IFS were decisive. IFS was able to present an industry-specific solution for the construction and civil engineering sector that demonstrated that its consultants truly understand our processes and the challenges we face," said Erik Thillmann, production manager at Contiga.

"IFS' strategy for continued growth means that we focus on selected industries in terms of product development and industry competence. The agreement with Contiga is just one example of the wisdom of this strategy, said Glenn Arnesen, managing director, IFS Scandinavia.

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, machines and equipment. With IFS Applications, companies can support and improve business processes by collaborating more closely with customers, suppliers and subcontractors. IFS Applications includes functionality for contract and project management, risk management, budgeting and forecasting, resource scheduling and optimization, installed base management, spare part management, mobile solutions for field work force, call and case management including SLA, all integrated with financials, procurement, manufacturing and HR. Existing IFS customers in the Construction, Contracting and Service Management industry include Hertel, Debut Services, Babcock Rail, Doosan Babcock, Fabcon, Grenland Group, Heerema Fabrication Group,

Seadrill, Anticimex, Eltel Networks, Infratek, Gilbarco Autotank and Tomra Systems.

About Contiga

Solutions from [Contiga](#) include all types of steel and concrete elements for the industrial, office space, business, housing and transport sectors. Contiga consists of two regions, South and North, with independent responsibility for sales and project implementation.

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Synopsys' IC Compiler Widely Deployed at MediaTek

13 May 2010

[Synopsys, Inc.](#) announced that MediaTek Inc., a leading fabless semiconductor company for wireless communications and digital multimedia solutions, has standardized on Synopsys' IC Compiler physical design solution, a key component of the Galaxy™ Implementation Platform, to deliver best performance, power and area on MediaTek's wireless communications chips. IC Compiler's advanced placement, timing and power optimization along with its tight correlation to signoff has contributed to faster design closure.

"In the rapidly expanding wireless communications sector, we face intense time-to-market pressures to deliver designs on schedule while realizing aggressive performance, power and area goals," said MediaTek. "Having taped out several complex chips with IC Compiler, we believe it is a key enabler for us to meet our design goals. IC Compiler is now the chosen solution for our designs."

At MediaTek, hundreds of megahertz clock speeds and several complex clock domains coupled with a multi-power domain approach, including shutdown scenarios optimization, make design closure challenging. Minimum die area and leakage power are also important factors. Market pressures allow only a very short tapeout schedule, so achieving faster design closure is critical. IC Compiler's Zroute routing technology, its advanced placement, power and timing optimization; its tight correlation to Synopsys' PrimeTime® solution; and Synopsys' StarRC™ custom parasitic extraction to minimize late-stage timing ECOs were all key elements driving broad adoption of IC Compiler at MediaTek.

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Product News

Apache Introduces PathFinder, the Industry's First Full-chip ESD Physical Integrity Solution

10 May 2010

[Apache Design Solutions](#) announced PathFinder™, a full-chip electrostatic discharge (ESD) physical integrity solution to address the increasing reliability challenges faced by nanometer designs. It delivers technologies in modeling, extraction, and simulation for ESD verification, targeting early prototyping, circuit optimization and full-chip signoff. PathFinder's core technologies include:

- native handling of clamp cell snap-back characteristic for dynamic SPICE like simulation
- built-in extraction and handling of large scale power/ground RLC, substrate RC, and package parasitics
- layout based full-chip analysis of ESD events such as Human Body Model (HBM), Machine Model (MM) and Charged Device Model (CDM)

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ESD charging or discharging is a full-chip verification challenge. In addition, ESD clamp cell design and optimization for custom I/O and analog macro requires SPICE like accuracy. PathFinder is a high throughput solution with unique productivity advantages including:

- 100 million+ instances with overnight turnaround time for static ESD verification
- 100's of thousands of transistors block including clamping devices for SPICE accurate dynamic ESD simulation
- layout-based debugging GUI environment for cross probing and 'what-if' analysis

As the process technologies move towards 40nm and below, designers are facing reliability challenges introduced from the use of smaller wire geometries and thinner gate oxides with lower breakdown voltages. In addition, the use of multiple power and ground networks requires the inclusion of ESD protection circuitry inside the core of the chip. The cost associated with an ESD induced failure can be significant, whether from insufficient protection resulting in low product yield, or from excessive or ineffective protection resulting in wasted silicon real estate.

Today, ESD verification is performed manually based on engineering guidelines for layout, plot checking, or design rule (DRC) checks. But these approaches cannot ensure that the overall resistance and current density of the ESD paths is below the threshold limits. As a result, they cannot exhaustively identify devices or wires that may potentially fail during a specific ESD event before tape-out. In addition, it is important to include the discharging paths through the package for full-chip ESD signoff.

Circuit analysis of I/O, analog, and mixed-signal designs is also critical for ESD layout and design optimization. There is no transistor-level dynamic solution available today that can efficiently simulate large-scale macros including the impacts of clamp's snap-back characteristics, P/G and substrate networks, and package parasitics with SPICE like accuracy and convergence property.

“All ESD effects now have to be addressed at the System-on-Chip-level rather than at the IO- or even block-level. As a consequence, addressing ESD holistically is an important opportunity for improvement in our Product design flow in leading-edge process technologies while protecting against ESD failures is increasingly critical in ST's markets, such as Automotive, Computer Peripherals, Consumer, Wireless,” said Philippe Magarshack, Group Vice President, Technology R&D at STMicroelectronics. “The ability to analyze ESD design robustness at the full-chip and macro levels prior to tape-out is key to managing our overall system cost and time-to-market. Apache's PathFinder now enables us to perform static ESD analysis and signoff in a reasonable amount of time. We are very pleased with our partnership with Apache for the past two years in this emerging area of ESD integrity.”

At the full-chip level, PathFinder verifies the placement and connectivity of ESD cells for HBM, MM, and CDM, based on layout information and design rules. It computes the impedance in the discharge path through the distributed power/ground and package mesh and the participating clamp cells. It verifies the effective resistance between a) pads/bumps to other pads/bumps; b) between pads/bumps to clamp circuits; c) between multiple clamp circuits; and d) between active devices and clamp circuits, for pass/fail check. Increasing current flow through the metal layers of the discharging path can also cause electromigration (EM) induced damages to interconnects. PathFinder provides current density check for all power/ground metals, I/O nets, and clamp devices, allowing the designers to verify that the current flow during discharge event is within the established limits.

PathFinder can also simulate transistor-level netlist such as I/Os, PLLs, and Serdes. It incorporates eSIM™, Apache's proprietary simulator for ESD transient analysis with SPICE level transistor model.

eSIM can handle negative resistance in snap-back devices, which typically causes non-convergence and slow down in classic SPICE simulators. In addition, eSIM with its dedicated matrix solver can handle large scale power/ground, substrate, and package mesh networks, including non-linear devices. PathFinder performs stress check across junction voltages of all transistors during the simulation to identify potential device failures due to ESD events such as CDM. To help with debugging and isolating circuit and layout issues resulting from an ESD event, PathFinder provides a GUI environment with overlay of the simulation results on the layout.

Pricing and Availability

PathFinder is available now and is an option to RedHawk and Totem platforms with a starting list price at \$180,000 US.

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ArchiCAD 14 Fosters Open Design Collaboration between Architects and Engineers

11 May 2010

GRAPHISOFT announced ArchiCAD® 14, the latest version of its architectural design software. ArchiCAD 14 offers intelligent workflow solutions to the extended design team.

ArchiCAD 14 continues delivering productivity improvements for architects throughout the full cycle of the BIM workflow with a specific focus on completing the integration of the architectural workflow with the engineering world.

Great architecture requires collaboration of all design disciplines. Architects have a central role in coordinating all aspects of their design with other disciplines during the entire design process. ArchiCAD 14 turns IFC technology into full-fledged workflow solutions enabling collaboration with engineers regardless of their discipline or the name and version of the application they prefer working with. This “open” approach to interdisciplinary collaboration greatly broadens designers’ options for real Integrated Project Delivery (IPD) resulting in faster delivered projects and significantly less coordination errors.

ArchiCAD 14 introduces workflow solutions that help bridge the different requirements for BIM models between architects and the various engineering disciplines of the AEC industry. Model mapping, element classification, IFC reference model version tracking and change management support help the coordination between architects and engineers become a smooth and automatic process. ArchiCAD 14 also moves forward with developments to its revolutionary BIM Server based Teamwork solution, further optimizing the management of design teams working on shared BIM projects.

ArchiCAD 14 also delivers a wide array of productivity improvements focusing on the most requested global and local customer wishes. Enriched details to modeling construction elements, better 3D visualization, enhanced 2D drafting, improved handling of libraries and library parts, and refined user interactions are all included in the impressive list of productivity improvements. The results are faster and more polished design and documentation workflows with improved communication capabilities both with clients and consultants, making ArchiCAD 14 the premier BIM solution for architects worldwide.

Availability

ArchiCAD 14 will be available for purchase worldwide as of June 1st. Physical shipment of localized

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versions will start on June 9th with the INT, US, GER, AUT, AUS and NZE versions. Following a tight release schedule, all 26 local versions are planned to reach the market by the end of Q3 2010. For more information, please visit: <http://www.graphisoft.com/products/archicad/>

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CSC Launches New Solution That Improves Engineering Productivity and Accelerates Teamcenter PLM Deployments

10 May 2010

CSC launched FASTRack™ for Teamcenter® software, a new turn-key product lifecycle management (PLM) business solution for engineering and manufacturing companies that design and build complex aerospace, automotive, heavy equipment, consumer goods or high-technology products. This hardware, services and support solution, which is optimized for Siemens PLM Software's Teamcenter, addresses common infrastructure and support challenges that companies can face with the integration of product data across their global design partners and suppliers.

"The FASTRack for Teamcenter solution creates significant value for our mutual global manufacturing clients," said Eileen Sweeney, president, Global Manufacturing Industry Sector, CSC. "In today's difficult business climate, our clients are seeking new ways to grow, collaborate more effectively on a global scale and wisely invest their capital in strategic imperatives, not hardware. By working together, CSC and Siemens PLM Software enable our clients to accomplish these goals with an innovative PLM appliance and service delivery approach found with FASTRack for Teamcenter. We are excited to jointly bring this solution to market."

FASTRack for Teamcenter is a pre-configured, secure and highly scalable "PLM Appliance" that deploys rapidly, facilitating the global extension of Teamcenter environments of 25 to 1,000 users, without the issues associated with the ownership, complex installations or operational support of PLM hardware and operating environments. FASTRack is offered as a fully bundled service with flexible ownership terms that benefit cost-constrained projects needing rapid delivery and global support. Optimized to your design engineering needs, FASTRack delivers measurable business benefits, enabling your design team and partners to:

- Improve engineering productivity and global collaboration by working in a secure, high availability PLM environment
- Achieve cost reduction of 15-35 percent and avoid capital outlays on infrastructure and support services with a simple, bundled monthly fee for your FASTRack solution
- Improve speed to market through the rapid deployment of a turnkey, fully managed infrastructure environment that can quickly scale as your program needs change

FASTRack for Teamcenter, developed by CSC, in collaboration with Siemens PLM Software, IBM and NetApp, is a fully functional, cost effective platform for deploying Teamcenter. The FASTRack solution includes scalable hardware configurations built on IBM server and NetApp storage equipment, with ongoing operational services, remote monitoring and customer support delivered by CSC's global IT organization. By utilizing FASTRack and Teamcenter, engineering and manufacturing firms shorten design-to-launch cycles, sharpen their competitive advantages and bring profitable new products to the market faster than their competitors.

"Siemens PLM Software and [CSC](#) have a strong history of bringing innovative solutions to our joint

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global manufacturing customers," said Carol Jarvis, global vice president for Alliance Sales, Siemens PLM Software. "By expanding our portfolio with offerings like FASTrack for Teamcenter, CSC and Siemens PLM Software can build upon our respective capabilities and create an even stronger value proposition for our clients. The FASTrack for Teamcenter offering speaks to the needs of our customers by further enhancing the implementation speed and scalability of Siemens' best in class PLM suite."

FASTrack is the second product in CSC's CADrack family of PLM managed service offerings that were initially launched in April 2009. The system can be deployed as a turn-key solution or configured and installed to specific PLM processes and data requirements. More information is available at <http://www.csc.com/FASTrack>.

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Dassault Systèmes and Exalead Announce OEM Partnership

12 May 2010

Dassault Systèmes ([DS](#)) announced an OEM agreement with Exalead, a global software provider in the enterprise and Web search market. As a result of this partnership, DS will deliver IP discovery and advanced PLM enterprise search capabilities within DS's ENOVIA V6 solutions, allowing users to find and act on information more quickly while developing new products.

The [Exalead](#) CloudView OEM edition is dedicated to ISVs and integrators who want to differentiate their solutions with high-performing and highly scalable embedded search capabilities. Built on an open, modular architecture, Exalead CloudView uses minimal hardware but provides high scalability, which helps reduce overall TCO. Additionally, it uses advanced semantic technologies to automatically analyze, categorize, enhance and align data to deliver more accurate, precise and relevant search results.

This partnership with Exalead demonstrates the capabilities of ENOVIA's V6 PLM solutions to serve as an open federation, indexing and data warehouse platform for process and user data, for customers across multiple industries. Dassault Systèmes PLM users will benefit from its Exalead-empowered ENOVIA V6 solutions to handle large data volumes thus enabling PLM enterprise data to be easily discovered, indexed and instantaneously available for real-time search and intelligent navigation. Non-experts will have the opportunity to access PLM know-how and knowledge with the simplicity and the performance of the Web in scalable online collaborative environments. Moreover, PLM creators and collaborators will be able to instantly find IP from any generic, business, product and social content and turn it into actionable intelligence.

About Exalead

Founded in 2000 by Search engine pioneers, Exalead® is a search-based application platform provider to business and government. Exalead's worldwide client base includes leading companies such as Air Liquide, ViaMichelin, PSA Peugeot Citroën, GEFECO, AFP, NewspaperARCHIVE.com, Jaspersoft and Sanofi Aventis, and more than 100 million unique users a month use Exalead's technology for search. Today, Exalead is reshaping the digital content landscape with its platform, Exalead CloudView™, which uses advanced semantic technologies to bring structure, meaning and accessibility to previously unused or under-used data in the new hybrid enterprise and Web information cloud. CloudView collects data from virtually any source, in any format, and transforms it into structured, pervasive, contextualized building blocks of business information that can be directly searched and queried, or used as the foundation for a new breed of lean, innovative information access applications. Exalead is an operating unit of Qualis, an international holding company, with offices in Paris, Madrid, San Francisco, Glasgow,

Milan and Darmstadt.

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Delcam Launches 3D Scanner for Orthotic Design

13 May 2010

Delcam has launched the iQube, a dedicated 3D scanner to capture data for the design of orthotics. Delcam already supplies OrthoModel and OrthoMill, software for the design and manufacture of orthotics for either diabetic or rheumatoid patients, or for the correction of abnormalities caused by a biomechanical miss-alignment of the musco-skeletal system. Like the company's software, the scanner has been developed in association with Delcam's panel of orthopaedic, podiatric and orthotics experts to ensure that it provides a suitable solution for foot-care specialists and their patients.

The key attribute of the new scanner is its versatility. It can be used to capture data directly from the patient's foot, either in weight-on, weight-off or semi-weight-bearing modes. The scanner weighs only 14kg, making it easily portable so it can be taken to any patients whose movement is restricted.

Alternatively, the iQube can be used to scan casts or foam-box impressions. The data can then be emailed to the laboratory that will manufacture the orthotic, along with the patient's details, so eliminating the costs and time delays associated with delivering casts or foam boxes around the country or even internationally.

The iQube is also fast and accurate. It is based on scanning technology developed for the aerospace industry, which allows high-quality, full-colour, 3D images to be produced in approximately three seconds.

The data collected is accurate to within 0.4mm. This ensures that the laboratory can produce a right-first-time orthotic that will put the patient on the recovery path as quickly as possible.

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Delcam's CopyCAD Pro Reverse Engineering Software Adds Parasolid

10 May 2010

[Delcam](#) has released the 2010 version of its CopyCAD reverse engineering software, the first to incorporate Parasolid® software, 3D geometric modelling component from Siemens PLM Software. The new release also includes new algorithms for surface creation with boundaries or with drive curves, plus new methods to use the software for the inspection of complex parts.

CopyCAD Pro is the only software to offer "Tribrid Modelling"; the addition of triangle modelling to the combination of surface and solid modelling that is offered in many other CAD packages as "hybrid modelling". Having all the different modelling techniques in a single package reduces the need to transfer data between multiple programs and so streamlines the whole product development process. The extended range of functionality, for example, the ability to undertake Boolean operations between triangle meshes and solids or surfaces, makes CopyCAD Pro ideal for the re-engineering of existing products into improved designs or for creating bespoke products for individual patients in the healthcare industry.

As well as being available as a stand-alone reverse engineering system, CopyCAD Pro acts as the

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underlying engine for Delcam's dedicated software for the healthcare sector, DentCAD for the design of dental restorations and OrthoModel for the development of custom orthotics. Both these programs will, therefore, also benefit from the developments in the 2010 release.

The integration of Parasolid means that CopyCAD can act as the reverse engineering front end for all CAD systems based on Parasolid, including SolidWorks, and Siemens PLM Software's Solid Edge® software and NXTM software. Scan data from all types of device will be able to be converted into the Parasolid native XT file format within CopyCAD Pro and then exported directly into all these systems, plus the many others that have Parasolid XT import capabilities.

The addition of the Parasolid technologies will be especially helpful for design engineers that need to create fully-functional designs from physical concept models. These models are often sculpted from solid material so that they only represent the external form of the design. As well as capturing data from these surfaces, CopyCAD Pro allows them to be developed into complete CAD models for downstream operations, by adding thickness to the surfaces and adding features such as ribs and bosses. Parasolid brings a new level of sophistication to this stage of the design process with its world-class functionality and performance. In particular, the creation and editing of blend and fillet radii on complex models has been made much faster, and many blend editing restrictions have been removed.

The integration of the Parasolid technology will also benefit CopyCAD Pro's ability to create "perfect" geometry, in areas where other reverse engineering systems would give only approximate results. For example, the design might include one extruded surface over a large area, which could only be described by a series of individual surfaces in traditional reverse-engineering software. It is easy in CopyCAD Pro to reproduce the original design intent, by replacing the required area with a single surface. Similarly, a reverse-engineered fillet area can be replaced with a consistent, smooth fillet, rather than existing as a set of complex, free-form patches that may have varying radii.

The new algorithms in CopyCAD Pro 2010 have improved the creation of surfaces from the triangle mesh by using boundaries. This method gives the user total control over the way the complete data set is divided into its component features. A series of edges can be sketched onto the triangles and the enclosed surface is created from the mesh. The tolerances used can be set to give either the smoothest surface or the best fit to the triangles. A visual error map can be generated to show the quality of the fit and the tolerances then adjusted if required.

Tangent continuity can be maintained, either with the underlying mesh or with any neighbouring surfaces. This option can be switched off if a sharp edge needs to be created.

Finally, CopyCAD Pro can now be used to undertake triangle-based inspection using laser point clouds when no CAD model exists, for example when creating duplicates of historic artefacts. Scan data can be taken from the original model and then compared with data from the item to be inspected. The resulting error map will highlight any differences between the two items.

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D-Cubed 2D DCM from Siemens PLM Software Integrated into VISI Progress from Vero Software

10 May 2010

[Siemens PLM Software](#) and Vero Software Plc announced the integration of the D-Cubed™ software 2D Dimensional Constraint Manager ([2D DCM](#)) component from Siemens PLM Software in [Vero's](#) VISI Progress software.

CIMdata PLM Industry Summary

VISI Progress, part of Vero's VISI suite of applications for the Mould & Die industries, is a dedicated solution for the metal stamping industry, enabling efficient design of progressive dies and press tools. Progressive stamping is the process of creating parts by starting with a strip of metal and then, in progressive steps, applying a series of operations such as coining, punching and bending. VISI Progress enables the 3D modeling of the dies and strip at each step in the process from blank to finished component.

The integration of the D-Cubed 2D DCM into version 17 of VISI Progress helps to ensure the complex relationships in a model are accurately maintained when modifications to the strip layout parameters are made. The user can make changes to the step length and strip width and VISI Progress will automatically update the previously constructed punch geometry and rebuild the strip. This new integration joins Vero's existing implementation of the D-Cubed 2D DCM inside VISI Parametric Page (formerly VISI Storyboard). Integrated into more than three million end-user products, the D-Cubed 2D DCM is by far the world's most widely used 2D geometric constraint solver.

"Using the D-Cubed 2D DCM in VISI Progress allows us to automate operations which would otherwise have required significant time and effort from the user," said Gerard O'Driscoll, Research and Development Director for Vero Software. "Without the D-Cubed 2D DCM the cost of developing these improvements would have been prohibitive."

"Continuous improvements to process automation in Mould & Die CAD/CAM applications are absolutely critical if manufacturers are to maintain their competitive edge in today's difficult economic climate," said Joan Hirsch, vice president, Product Design Solutions, Siemens PLM Software. "Vero Software's new integration of D-Cubed 2D DCM is the latest evidence for this component's ability to add value and reduce development costs for the developers of CAD/CAM products."

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EMC and Informatica Announce Partnership for Customers to Cost-Effectively Leverage All Information Assets

12 May 2010

[EMC Corporation](#) and [Informatica Corporation](#) announced that Informatica Information Lifecycle Management (ILM) and Master Data Management (MDM) solutions have been added to EMC® Select. Under this agreement EMC will resell Informatica ILM and MDM products and services, to further extend the value of EMC's intelligent tiered storage, archive and enterprise content management platforms.

The combination of EMC information infrastructure solutions with Informatica ILM will help customers manage the lifecycle of unstructured content and structured data to lower costs, optimize storage infrastructure and ensure long-term retention of information assets. In addition, Documentum xCP together with Informatica MDM will help customers further manage business processes while producing one record of truth about a customer, patient, product or any information asset to make better business decisions.

"Customers want to reduce costs while enhancing performance of all application data and use their strategic information assets to gain competitive advantage," said Mark Lewis, President, Information Intelligence Group, a division of EMC. "Together, EMC and Informatica will provide customers with the ability to reduce the growth of production databases and retire legacy applications related to software licenses and hardware infrastructure."

CIMdata PLM Industry Summary

EMC and Informatica intend to provide ILM and MDM customer solutions for on-premise or cloud deployment use cases, such as:

Application and Data Warehouse Archiving - Enable customers to intelligently relocate dormant data from production systems to improve performance, lower costs and ensure long-term data retention.

Application Retirement - Support customers to fully archive legacy systems to reduce costs of redundant or obsolete applications and retain access to the historical data.

Master Data Management for Composite Application Development - Empower business users with a holistic, single view of foundational business entities such as customers, employees, products and other assets. MDM projects facilitate better operational efficiency, higher customer loyalty and successful compliance efforts.

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FreeDesign Inc. Awarded 4th Patent for its 3D N-Sided Surfacing Technology

10 May 2010

FreeDesign Inc., creators of the 3D surface modeler FreeDimensionT, announced the award of the 4th patent for its curve-based surface modeling technology. Patent # US. 7,636,091 B2 for Computational Geometry Using Control Geometry Having At Least Two Dimensions was confirmed by the US Patent and Trademark office in April 2010.

This latest patent defines how the technology interpolates and blends between geometric objects sufficiently fast so that real-time deformation of 3D objects occurs while data is being input. Using FreeDesign' N-Sided Surfacing technology, as a 3D object is deformed, weighted sums of points in the object immediately blend to form a new, water-tight 3D shape with control handles that can modify the surfaces. In layman' terms, it means a 3D object can be created through the manipulation of an object' curves and vertices with the object' surfaces being updated in real time. Details of this latest patent can be found at <http://patft.uspto.gov/>.

This patent is applicable to many design domains including consumer packaging, electronic games, toys, automotive and aerospace, clothing and footwear, geological and geographic modeling, and virtual reality and animation.

FreeDesign Inc. currently holds 4 patents for its 3D surfacing technology that allows rapid interactive design and modification of 3D models. Its FreeDimension Modeler has been downloaded more than 5,000 times and features add-on modules for professional industrial designers as well as IGES output.

FreeDesign is working with MS3D Technologies LLC to find new partners and investment capital to realize the company' development goals. Find out more about MS3D Tech at: www.ms3dtech.com.

Find out more about FreeDesign at www.freedesign3d.com/

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Informative Graphics Corporation Announces Brava! 6.2 for EMC Documentum Webtop

10 May 2010

Informative Graphics Corporation (IGC) announced that it will be demonstrating the newest version of its Brava!® 6.2 web-based viewing and collaboration tool for EMC Documentum Webtop 6.5. This release of Brava includes new redaction features, additional language support and the new, zero-footprint Brava Flash Viewer. Ideal for securely sharing documents, Brava for Documentum makes it easy to view, annotate and collaborate on virtually any file, including office and PDF documents, CAD drawings, and image files such as TIFF and JPG.

A significant enhancement to the new version of Brava is the Brava Flash Viewer, which allows users to access documents using any browser or Flash-enabled device and does not require any files to be transferred or installed on the client. The new version also features redaction enhancements including the ability to redact a list of people's names, create a log of all redaction reasons used in a document, and find and redact all text between specified words or phrases.

Other enhancements in Brava 6.2 for Webtop include:

- Turn on and off various menu items to reduce clutter of unused items.
- User machines automatically install the appropriate localized Brava viewer for German, French, Spanish, Korean, Simplified Chinese, and Japanese operating systems.
- Cut and paste annotations between Brava windows.
- Markup text can be entered right to left, increasing support for Arabic and other languages with right-to-left scripts.

For more information about Brava for Documentum Webtop visit <http://www.infograph.com/emc>.

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Magma Announces SiliconSmart ACE Memory Characterization -- Embedded FineSim Pro Enables Most Accurate Characterization of Timing, Power and Noise Models

10 May 2010

[Magma® Design Automation](#) announced SiliconSmart® ACE Memory Characterization, the latest addition to the industry-standard SiliconSmart IP characterization and modeling product line. By embedding Magma's ultra-fast FineSim™ Pro simulator and leveraging Magma's proprietary optimization technology for memory circuits, SiliconSmart ACE Memory Characterization provides faster, more accurate timing, power and noise characterization of memory instances than competitive tools. With SiliconSmart ACE Memory Characterization, integrated circuit (IC) designers can reduce turnaround time and deliver better results for designs targeted at 28-nanometer (nm) and smaller process nodes.

Accurate timing, power and noise models for memory instances are required to achieve design closure in today's system-on-chip (SoC) designs. Memory compilers, which use data-fitting technology through interpolation and extrapolation to generate memory instance models, often fail to meet accuracy requirements. A complete simulation-based re-characterization of such memory-compiler-created memory instances has become the most critical capabilities for an IP characterization tool. The combination of Magma's SiliconSmart ACE characterization technology and FineSim Pro simulation

technology provides an optimized characterization methodology with enough simulation power to acquire measurements for all arcs on all data points and to deliver the required accuracy in the created models.

"SiliconSmart ACE Memory Characterization provides ease of use through automation, efficiency through optimization and accuracy through simulation, significantly reducing the time and effort to model any memory instance," said Anirudh Devgan, general manager of Magma's Custom Design Business Unit. "With its simple and user-friendly functional description and multiple automation techniques, an IP characterization engineer can set up the flow quickly and characterize a memory instance without having deep knowledge of how the memory is designed. By integrating Magma's industry-leading FineSim Pro simulator into the SiliconSmart ACE characterization tool, Magma not only improves accuracy and speed, but also lowers our customers' overall cost of owning a memory characterization tool."

SiliconSmart ACE Memory Characterization: Faster, More Accurate Memory Characterization

Memory circuits pose a greater simulation challenge than other IP such as standard cells because they incorporate more devices and are more complex. To take into account the multiple power domains and signal coupling caused by the RC network, a memory characterization tool requires a simulator with the accuracy to handle the sensitive analog circuitry, as well as the speed to simulate the numerous simulation decks. At the heart of SiliconSmart ACE memory characterization are the FineSim Pro simulation technology, dynamic circuit reduction through smart netlist pruning, automatic internal node identification, constraint acceleration and template-guided function descriptions for vector generation. Each contributes to ease of setup and also provides unparalleled full simulation-based characterization throughput without loss of accuracy.

SiliconSmart ACE Memory Characterization addresses these requirements with the following capabilities:

FineSim Pro simulation technology blends both SPICE simulation and Fast-SPICE simulation into one single circuit simulator. SiliconSmart ACE Memory Characterization takes advantage of its "multi-mode" engine to make appropriate tradeoffs for accuracy and speed. For example, it assigns SPICE simulation to analog circuitry such as sense amps to ensure accuracy, and assigns Fast-SPICE simulation to digital circuitry such as control logic for speed. FineSim Pro's industry-leading technology for analyzing non-ideal power rails for memory circuits greatly increases overall simulation speed by intelligently partitioning the power rail RC network, signal RCs and MOS transistors.

Stimuli or vectors to excise a memory circuit for a specific measurement in characterization usually propagate through a specific portion of the circuit. To increase throughput, a memory characterization tool must have the capability to remove the inactive portions of the circuit from the simulation deck. Unlike the traditional simple-but-inaccurate path-based reduction methodology, SiliconSmart ACE memory characterization employs a smart netlist-pruning algorithm that utilizes FineSim Pro simulation for circuit structural analysis that identifies and eliminates non-essential active devices and RCs. The actual simulation deck after this highly efficient dynamic circuit reduction per measurement vector set is much smaller than the original netlist, shortening simulation runtime.

Constraint measurements such as setup and hold in memory characterization are not only very time-consuming, but also difficult to probe. This is because the data and clock usually meet at an internal node, which is hard to locate in a fully RC-extracted netlist. SiliconSmart ACE Memory Characterization runs the FineSim Pro simulation to monitor toggling behaviors of potential candidates

and, after a thorough heuristic analysis, automatically identifies the right internal node for constraint measurement. In addition to the constraint acceleration technology included in SiliconSmart ACE for standard cells, SiliconSmart ACE Memory Characterization includes memory constraint acceleration technology that selectively saves memory states and then intelligently reuses these states to improve runtime over the multiple clock cycle iteration process without any loss of accuracy.

Like SiliconSmart ACE, which provides ease of use through automatic function recognition for standard cell characterization, SiliconSmart ACE Memory Characterization reduces the burden of setup by providing a template library to describe various memory functions. This high-level functional description automatically creates all control files and all the necessary simulation vectors for all the arcs for a re-characterization of a memory instance with the same model structure but more accurate numbers through simulation.

Pricing and Availability

SiliconSmart ACE Memory Characterization is an extension to SiliconSmart ACE and is available now.

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Magma's Titan Supports IPL 1.0 Standard for Interoperable Process Design Kits

11 May 2010

[Magma® Design Automation Inc.](#) announced that the Titan™ Mixed-Signal Platform has been validated to support the interoperability and accuracy requirements of the IPL 1.0 Interoperable Process Design Kit (iPDK) standard. The Interoperable PDK Libraries (IPL) Alliance standard eliminates the need to develop multiple proprietary PDKs and design databases, reducing development costs, shortening delivery schedules and providing designers earlier access to new advanced process technologies across multiple tools. The combination of Titan's advanced capabilities and compliance with the IPL 1.0 standard provides designers with the fastest path to mixed-signal silicon.

"We have already collaborated with Magma to qualify Titan for the first foundry-specific 65-nm iPDK, which TSMC spearheaded," said Tom Quan, deputy director of design methodology and service marketing at TSMC. "TSMC is pleased that the Titan Mixed-Signal Platform also meets the iPDK quality standards set in IPL 1.0. This will help us deliver greater choices and advanced design features to our end customers."

"With the remarkable growth in the number of mixed-signal systems on chip (SoCs), designers need solid analog and digital design solutions that enable them to handle increased complexity while shortening the design cycle," said Anirudh Devgan, general manager of Magma's Custom Design Business Unit. "By working with the IPL Alliance to validate the Titan Mixed-Signal Platform for the new IPL 1.0 standard, Magma helps designers accelerate analog and mixed-signal design without compromising accuracy."

About IPL 1.0

IPL 1.0 is a major accomplishment achieved through the collaboration of IPL Alliance member companies. Semiconductor foundries and integrated device manufacturers (IDMs) can use this standard to build a single iPDK that works with multiple Open Access-based custom design tools, reducing development costs and the need to support vendor-specific PDKs. Electronic design automation (EDA) vendors can use this standard to validate that their tools work with the iPDKs delivered by the foundries and IDMs.

The Titan Mixed-Signal Solution: Integrating Analog and Digital implementation

According to Magma Titan is the industry's first platform to truly integrate analog design, digital implementation and verification. With automated mixed-signal assembly and verification, Titan provides an order-of-magnitude productivity improvement over other analog flows. Titan comprises user-friendly full-custom schematic and layout editors, an analog simulation environment, correct-by-design schematic-driven layout (SDL) and integration with Magma tools for simulation and physical verification. It provides a unified mixed-signal design cockpit with very high capacity and a very fast database access mechanism. Titan's analog and special-signal shape-based routing provides speed, repeatability and easy implementation of engineering change orders (ECOs). By fully embedding Magma's Talus® platform, Titan combines the high-level efficiency of Magma's digital implementation tools with full-custom analog design tools.

Titan ADX, an integral part of Magma's Titan mixed-signal design platform, focuses on solving analog/mixed-signal design, optimization and porting challenges. The Titan ADX model-based approach allows circuit optimization and porting in a fraction of the time required by simulation-based techniques. The technology enables product groups to push the design envelope for extreme performance, to center the design for multiple process, voltage and temperature (PVT) corner cases, and to reduce power and jitter. In addition to providing an efficient and predictable method to store analog circuits, Titan ADX reduces design porting time from several weeks to just days.

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Mastercam X4 Now Certified for Autodesk Inventor 2011

10 May 2010

CNC Software announced that its Mastercam X4 CAD/CAM Software has been certified for Autodesk Inventor 2011 3D mechanical design software by the Autodesk Inventor Certified Applications Program. To be certified, the product must meet certain guidelines and demonstrate a high level of quality as well as compatibility with Autodesk Inventor software. Certification is given only after the product has been tested and approved.

“We are very happy to be certified for Autodesk Inventor 2011. Many Mastercam customers receive Inventor files, so both communities can be assured of the seamless integration between our two products,” says Gary Hargreaves, Director of Business Development for CNC Software. “The flow from design to manufacture becomes easier for both Inventor and Mastercam customers, where the designer can be assured that the part designed in Inventor is precisely the part that is machined with Mastercam. Both companies are working together to provide customers with the best in CAD and CAM software. The Mastercam and Autodesk Inventor integration offers users a way to easily work between the two products and stay ahead of their competition.”

Mastercam X4 has a direct add-in for Autodesk Inventor, a great way to boost productivity. Autodesk Inventor mechanical design software takes engineers beyond 3D to Digital Prototyping by enabling them to design, visualize, and simulate products before they are ever built. Free to the Mastercam and Autodesk communities, Mastercam Direct enables users to open a model in Mastercam while in an Inventor session, and then update toolpaths to reflect changes to the model. Mastercam X4 is able to read in native Inventor files (.IPT and .IAM) for design purposes and toolpath generation.

“Autodesk Inventor software users can import part files and manufacture them quickly using Mastercam X4” says Tim Gray, director of Inventor Product Management at Autodesk. “Having partners, such as

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Mastercam in the Autodesk Certified Application Program assures users that the same standards of product quality we want for Autodesk Inventor are being extended to the Mastercam suite of solutions.”

Mastercam Direct for Inventor is available at no charge from <http://www.mastercam.com> or through your local Mastercam Reseller.

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MSC.Software and LifeModeler Sign Technology Partnership

10 May 2010

[MSC.Software](#) announced an important new step in its partnership with LifeModeler, Inc. to fully integrate MSC’s Adams software into LifeMOD human modeling and simulation software solutions.

According to a new agreement recently entered into by both companies, the Adams software will be directly embedded into the existing LifeMOD commercial product, and will facilitate the introduction of new LifeMOD products targeted for the academic research and student communities. By integrating MSC Adams software into LifeMOD, biomechanical engineers and scientists will be able to create accurate virtual human models and enable repetitive and rapid testing of medical device designs while minimizing risk, time, and cost from new product development

(<http://lifemodeler.com/products/lifemod>).

“This is a unique opportunity for MSC.Software to expand our biomedical industry reach by partnering with the leader in virtual human modeling”, stated John Janevic, VP of Strategic Operations at MSC.Software. “We are proud to work with partners to leverage unparalleled technology in Adams.”

“We see enormous potential for LifeMOD to revolutionize biomechanical engineering. As the need for simulation increases, it is essential to select partners, like MSC.Software, that will allow us to innovate and put forward solutions of supreme quality for our clients in various industries including medical, research, and education,” said Shawn McGuan, Chief Executive Officer, LifeModeler, Inc.

About LifeModeler

LifeModeler makes human simulation software used by orthopaedic manufacturers to design and sell implants. Surgeons use our software to bring X-rays and CT scans to life to improve patient outcomes. Our software is also used in sports, research, aerospace and automotive industries. For additional information about LifeModeler products and services, please visit <http://www.lifemodeler.com>.

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MSC.Software Releases Easy5 2010; Richer Libraries and Usability Improvements Give Engineers More Flexibility for Modeling and Simulating Engineering Systems

13 May 2010

MSC.Software, the leader in multidiscipline simulation solutions that accelerate product innovation, announced that [Easy5 2010](#) is released and ready for download. This new release of [Easy5](#) delivers significant user benefits including:

- Enriched Application Libraries
- Usability and Productivity Enhancements

CIMdata PLM Industry Summary

- Performance Improvements
- Integration with Multi-body Simulations

Enriched Application Libraries Expand Modeling Capabilities

The Thermal Hydraulics, Gas Dynamics, Multi-phase Fluid, and General Purpose libraries in Easy5 have been updated and enriched with new components, new demo models, new configurations, and improved documentation support. These enhancements provide engineers with expanded modeling capabilities, increased model sophistication, and faster model construction.

Additions to the Thermal Hydraulic library allow users to work with higher fidelity models across a broader range of applications. The Gas Dynamics library provides new components for modeling aerospace, automotive, and pneumatics applications. Engineers in all these industries will benefit from these enhancements. The Multi-phase fluid library allows users to now specify and model different fluids within the same model. New components in this library also allow engineers to model more complex systems with multiple fluids. The General purpose library gives users more flexibility in modeling with a new asynchronous sample and hold component and a new rolling average component.

Usability and Productivity Improvements Make Model Setup Easier

Users will be pleased to see improvements in the Interactive Simulation capabilities, which now offer greatly improved model information at runtime, making simulation results more understandable. Users can also quickly update model data directly from CSV files greatly speeding up the ability to perform design iterations with a given model.

Performance Improvements Run Larger Models

Improved code generation in this release allows users to work with larger models. The model code was broken into two files which reduces memory overhead. Engineers can now work with models that are 25% larger. Easy5 is available on 64-bit Linux so users can take advantage of faster hardware technology. Additionally, analysis startup times have been reduced by as much as 45% over v2008 for larger models giving users an immediate boost in productivity.

Integration with Multi-body Simulations Optimize Systems Performance

This release of Easy5 provides integration with the latest releases of [Adams](#) and MD Adams 2010. Multi-body dynamics engineers can integrate [controls systems](#) into their mechanical systems simulations to optimize systems performance. This provides systems engineers with a high-fidelity representation of the mechanical components being controlled.

“This release of Easy5 2010 is yet another step forward in providing our customers with a broad set of multidiscipline simulation solutions to accelerate their product innovation,” said Sanjay Choudhry, VP Product & Release Management at MSC.Software. “Mechanical systems often include controls or other complex subsystems, and we strive to provide our customers with tightly integrated CAE tools that deliver increased flexibility and functionality to simulate more aspects of their designs.”

For more information about new features in Easy5 2010, listen to the ***On-Demand webinar*** at http://www.mscsoftware.com/events/webcasts/easy5/easy5051010/EASY5_2010.html

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Open Text Announces Full Support for Microsoft Office 2010, SharePoint Server 2010 Across the

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Open Text ECM Suite

12 May 2010

Open Text Corporation announced full support across the Open Text ECM Suite for Microsoft Office 2010 and Microsoft SharePoint Server 2010, allowing customers to confidently migrate to the latest platform and take full advantage of Open Text's rich content management expertise.

The Open Text announcement of comprehensive support for Office 2010 and SharePoint Server 2010 was made in conjunction with Microsoft's U.S. Launch of The Next Wave of Productivity event here in New York City.

Today's announcement extends Open Text's ongoing corporate strategy to embrace Microsoft Office and SharePoint as a familiar user interface to access and use the Open Text core infrastructure and platform for advanced ECM solutions. Open Text and Microsoft have been working closely together on this strategy since 2005 as evidenced by the partner of the year awards Open Text has received, and inclusion of Open Text in Microsoft Technology Centers worldwide as a featured provider of governance, risk management and compliance (GRC) solutions:

<http://www.opentext.com/2/global/press-release-details.html?id=2348>.

"With Office 2010 and SharePoint 2010, Microsoft has continued to boost user productivity, further ensuring that companies will want to center their business applications on the Microsoft user interface, allowing easy ways to access Open Text's advanced ECM platform," said Brian Donaldson, Vice President, Microsoft Solutions and Ecosystem at Open Text. "We help make that possible by allowing decision makers and information workers to work in their comfortable Microsoft environment while giving them access to all enterprise content from all sources including social networking, Web and digital media."

Open Text products for Microsoft help companies address the complexity of the ever-growing volume of electronic information, increase productivity, stimulate innovation, enable business agility, and ensure compliance and content security. Open Text offers one of the industry's widest range of solutions that extend Microsoft Office SharePoint Server 2010 including: integrated records management and archiving, content lifecycle management, email management, e-discovery and litigation readiness, enhanced web content management for SharePoint 2010, SAP integration, document capture and fax solutions, a development framework for case management applications and specialized vertical-market solutions.

"The combination of Microsoft SharePoint Server 2010 and the Open Text ECM Suite provide new ways for people to work better together, meet regulatory requirements and manage content enterprise wide," said Ryan Duguid, Senior Product Manager on the Enterprise Content Management Team at Microsoft Corp. "Open Text complements SharePoint Server 2010, extending the out of box ECM capabilities with ECM solutions targeting a range of vertical industries and specialized requirements such as DoD certification."

Platform Support

The releases of Open Text products with Office 2010 and SharePoint 2010 support will leverage the latest capabilities and user interface refinements in the Microsoft platform. Here are some highlights:

- Open Text Content Lifecycle Management (CLM) Services and Case Management Framework for SharePoint Server 2010. Using CLM Services

CIMdata PLM Industry Summary

customers can centralize control over enterprise content and across multiple SharePoint repositories. The Case Management Framework enables customers to control and structure the rollout of SharePoint sites. Thanks to the extensibility of SharePoint Server 2010, developers will be able to leverage the foundation of the Case Management Framework to implement business solutions that build on Open Text's long experience with compliance and records management.

- Open Text's document management offering eDOCS DM taps Microsoft Office 2010 developer tools to boost security, improve overall robustness of the solution and implement functions directly into Office 2010 menus, ribbons and the new Backstage Views interface.
- The latest release of Open Text Email Archiving for Microsoft Exchange will take full advantage of the new Outlook 2010 interface, for example, exposing message classification capabilities directly within the ribbon in Outlook 2010. It will also provide the ability to harvest and archive email out of the archive mailbox, a new capability introduced in Exchange 2010 that allows IT managers to provide each user with an archive mailbox alongside their active mailbox. Open Text can now extract content out of that archive mailbox and manage it in ECM libraries.

For more information on Open Text solutions for Microsoft, go to: <http://www.better-together-central.com> or <http://www.opentext.com/2/global/sol-products/sol-pro-extensions-microsoft.htmr>

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Oracle Unveils Oracle's Primavera Inspire for SAP 7.0

11 May 2010

Further simplifying enterprise project portfolio management, Oracle announced the launch of Oracle's Primavera Inspire for SAP 7.0 for enhanced integration between Oracle's Primavera P6 Enterprise Project Portfolio Management and SAP enterprise resource planning (ERP) project-related modules.

Oracle's Primavera Inspire for SAP 7.0 enables executives and project managers to achieve measurable ROI by aligning material, resource, schedule and financial information between SAP's Materials Management, Project System and Plant Maintenance modules and Oracle's Primavera P6.

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Primavera Inspire for SAP 7.0 improves project planning and execution by giving project managers the visibility needed to more efficiently manage and utilize resources across corporate divisions and departments.

The integration also enables large capital projects to be delivered on time and within budget.

Primavera Inspire for SAP 7.0 helps organizations to improve the management and forecasting of material, cost, schedule and resource requirements for routine maintenance.

By giving organizations visibility into past and expected future project performance across both Primavera and SAP systems, Primavera Inspire for SAP 7.0 helps mitigate project risk and increase workforce productivity, and extends the customer's investment in their existing SAP project management modules by enabling fully synchronized project, materials and resource management.

Synchronized Project, Materials and Resource Management

Primavera Inspire for SAP 7.0 now leverages components of SAP's materials management process, which further extends Primavera P6 or managing all of the projects that are core to an organization's business.

New capabilities within Primavera Inspire for SAP 7.0 include:

Materials Management Integration from SAP ERP to Primavera P6 - Supports the visibility of stock and non-stock material requirements as resource assignments or activities in the Primavera P6 project plan, allowing project managers and operational leads to not only see required materials and their status, but also the impact of long lead items in the project plan.

E-mail Confirmation/Notification of Synchronization Results - Leverages synchronization scheduling functionality by providing e-mail confirmation/notification with synchronization details without requiring end users to log into the system.

Performance and Memory Utilization Improvements - Technical enhancements deliver up to a 30 percent improvement in resource master synchronization while also enabling parallel processing for faster synchronization and improved memory consumption on large data volumes.

Supporting Quote

“Lack of visibility into project requirements and resources not only increases risk, but also negatively impacts an organization's ability to complete projects on-time and within budget,” said Joel Koppelman, senior vice president and general manager, Oracle's Primavera GBU. “With the introduction of Oracle's Primavera Inspire for SAP 7.0, Oracle is enabling organizations to increase visibility into past and expected future project performance by seamlessly integrating Primavera P6 with SAP. This integration not only helps organizations easily synchronize project, materials and resource management, but importantly enables reduced project risk and increased workforce productivity, and drives ROI.”

Supporting Resources

[Oracle Primavera Enterprise Project Portfolio Management](#)

[Oracle Primavera Inspire for SAP](#)

[Oracle Primavera P6 Enterprise Project Portfolio Management](#)

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Synopsys Collaborates with SMIC to Deliver USB Logo-Certified DesignWare USB 2.0 nanoPHY in SMIC's 65 Nanometer LL Process Technology

13 May 2010

Synopsys, Inc. and Semiconductor Manufacturing International Corporation, one of the leading semiconductor foundries in the world, announced the immediate availability of Synopsys' silicon-proven and USB logo-certified DesignWare® USB 2.0 nanoPHY intellectual property (IP) for SMIC's 65 nanometer (nm) low-leakage (LL) process technology. Synopsys continues to help designers lower integration risk by providing high-quality IP that is proven interoperable and compliant to the USB 2.0 standard specification.

The DesignWare USB 2.0 nanoPHY IP is designed for a broad range of high-volume mobile and consumer applications where the key requirements include minimal area and low dynamic and leakage power consumption. In addition, the DesignWare USB 2.0 nanoPHY IP has built-in tuning circuits designed to enable quick, post-silicon adjustments to account for unexpected chip/board parasitic or process variations, without having to modify the existing design. This allows designers to increase yield and minimize the cost of expensive silicon re-spins.

"The combination of Synopsys' silicon-proven DesignWare USB 2.0 nanoPHY IP and SMIC's low-leakage 65 nm process technology allows our mutual customers to integrate advanced features into a process that helps them meet their low power requirements and quickly ramp into volume production," said Chris Chi, senior vice president and chief business officer of SMIC. "Recent silicon success with customers leveraging SMIC's 65 nanometer LL process and Synopsys' USB2.0 nanoPHY IP gives us confidence to strengthen our strategic and synergistic relationship with Synopsys to deliver significant advantages to our customers through industry-leading integration, power efficiency and cost efficiency. We look forward to working with Synopsys as we move toward more advanced process nodes."

"By making available Synopsys' high-quality DesignWare USB 2.0 nanoPHY for the SMIC 65 nanometer LL process technology, we continue to provide designers with the IP they need for today's required foundry processes," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "Working with SMIC to silicon-validate our USB 2.0 nanoPHY IP in their 65 nanometer LL process provides our customers with proven and certified IP solutions that enable them to integrate [DesignWare IP](#) with less risk and improved time-to-market."

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Zuken Launches Advanced Wire Harness Modeling and Simulation with Synopsys Saber

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Zuken has introduced a new integration tool [E³.Saber Frameway](#) for Zuken's cable design software [E³.cable](#). This allows engineers to create right-first-time robust wire harness, hydraulic and pneumatic designs, helping them overcome growing harness complexity and time/quality constraints through early access to virtual prototyping results.

The solution provides direct integration for the multi-domain simulation of cable and wire harnesses, hydraulic and pneumatic with the Synopsys' Saber® Simulator. In addition to the benefits for engineers creating wire harness designs, the E³.Saber Frameway will also save time for simulation engineers by reducing duplicative efforts through the reuse of [E³.series](#) design data within the Saber environment by eliminating the need to re-enter data into the simulation environment.

CIMdata PLM Industry Summary

"This integrated technology offers a great opportunity for our customers who use both the Saber and E³.series design environments to improve both productivity and quality. Together we offer a powerful state-of-the-art solution for mechatronics design," commented Paul Lo, senior vice president and general manager of Analog/Mixed-Signal Group at Synopsys.

"For complex time-constrained product development, simulation is required from the very beginning to allow specifications to be validated prior to formal product development. The efficient handling of complex simulation tasks requires the integration of a powerful simulator into the wiring harnesses design tool – this is why we have introduced E³.Saber Frameway," said Gerhard Lipski, CEO Zuken USA and general manager Zuken Europe.

By making an interconnection with E³.series, simulation engineers using the Saber solution can perform accurate system-wide electrical verification. This saves time by eliminating the need to redraw schematics within the Saber environment for simulation.

Time spent and the potential for errors is reduced as E³.Saber Frameway helps eliminate the need to send design updates manually from the simulation engineer back to the design engineer. For simulation purpose all engineers use E³.series library data as one common database. This eliminates errors and reduces administration effort.

Any changes the simulation engineer makes to the design are immediately part of the production design. Simulation results such as voltage and current values can be back-annotated into E³.series.

E³.SaberFrameway is now available, further information can be found by visiting www.zuken.com/e3saberframeway.



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