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Acquisitions

BlueCielo Acquires Majority Stake in Finnish Software Company Kronodoc Oy

13 April 2010

BlueCielo ECM Solutions announced it has acquired a 70 percent stake in [Kronodoc Oy](#), a Finnish company specializing in document management software solutions for the Engineering, Procurement and Construction (EPC) sector, from funds managed by Pohjola Capital Partners and Canelco Capital, ABB, Shawfield Overseas SA and Novitra Investment Oy. The remaining 30 percent of the company has been acquired by Kronodoc’s management.

Based in Espoo, Finland, Kronodoc has developed sophisticated software solutions to control the immense volume of documents that are exchanged among various parties that work together in large or complex engineering and construction projects. Kronodoc’s solutions contribute to the significant reduction of project quality cost and communication costs in the supplier network during the engineering, manufacturing and construction processes. Kronodoc has its roots in CERN, the European Organization for Nuclear Research in Geneva, Switzerland, that runs one of the largest engineering projects in the world. Today, Kronodoc’s solutions are used to support some of the world’s largest industrial projects.

“This strategic acquisition accelerates BlueCielo’s focus on adding value to the Engineering, Procurement and Construction market,” said Martijn Janmaat who has been responsible for the

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acquisition in his role as president of BlueCielo ECM Solutions.

BlueCielo's strategy is to add value through the supply of user functionality that supports the requirements of owner/operators and engineering/contracting companies to manage and control asset- and engineering-related documents. BlueCielo's main focus market is the capital-intensive process industry, including Oil & Gas, Chemical, Pharmaceutical, Mining & Metals, Utilities, as well as the EPC industry. BlueCielo's customer base includes the majority of the world's industry leaders such as ExxonMobil, Shell, Total, BASF, Huntsman, Bayer, Johnson & Johnson, Pfizer, BHP Billiton, Gerdau, American Electric Power, Entergy, RWE, Flowserve, Bluewater, BAM, Arcadis and many others.

Most of these companies use the BlueCielo Meridian Enterprise or BlueCielo ImandrA solution to supplement more general document management systems and to integrate engineering-specific document management with maintenance systems and other business process systems. The independence of BlueCielo from mainstream applications and its focus on engineering documents and asset information allows for optimal integration while maintaining maximum freedom of choice for the customer.

The acquisition of Kronodoc complements the offering of BlueCielo's management systems with solutions for specific document control in large engineering and construction projects. These are typical projects in BlueCielo's focus markets.

[BlueCielo](#)'s global market presence will reinforce the international rollout of Kronodoc products which until now, for strategic reasons of the previous owners, were mainly marketed in Finland. Kronodoc's customers include ABB, Botnia, Neste Oil and Wartsila.

"With the addition of Kronodoc we are increasing the value we add to our markets, while obtaining meaningful synergy as well," said BlueCielo's CEO Luuth van der Scheer.

Rainer Puittinen, one of the founders of Kronodoc, will continue as the company's managing director. "At Kronodoc we have had the tremendous opportunity to work with some of the largest projects that have ever been undertaken by mankind," said Puittinen. "The supplier networks of global multibillion dollar megaprojects such as the biggest cruise liners or nuclear power plants comprise hundreds of suppliers on all continents and thousands of global users who collaborate on hundreds of thousands of documents to create those huge devices and installations. In such projects, document flows drive all activities, be it engineering, purchasing or construction. With Kronodoc document control, document flows are timely and efficient which ensures that lead-times and errors are minimized, leading to faster delivery at lower quality cost. Documents drive big projects and Kronodoc controls those documents."

Puittinen continued, "Although our customers and users have been global since day one, our strategy has been to be a local supplier operating close to our customers. We are truly excited about the new ownership structure since our market focuses are totally aligned and our offerings complement each other on customer value chains perfectly. BlueCielo has the global presence and organization to truly make Kronodoc a global player and catalyze our international growth."

Kronodoc has 23 experienced and qualified staff who will remain based in Espoo. Van der Scheer and Janmaat will both join the board of Kronodoc.

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Company News

By Blog, Tweet, and Vote, DS SolidWorks Invites Engineers Everywhere To Contribute Ideas to New Interactive Product Design Web Show

13 April 2010

A new interactive Web series invites engineers from all over the world to vote, tweet, and blog ideas that could turn into anything from an emergency response vehicle to a dream chair for hardcore online gamers.

“Let’s Go Design” (www.letsdesign.tv, sponsored by [Dassault Systèmes SolidWorks Corp.](http://www.dassault-systemes.com) (DS SolidWorks), is open to the entire engineering community. Hosted by DS SolidWorks employee and 18-year design engineering veteran Jeremy Luchini, the interactive web series asks viewers to vote on a product idea, then contribute their own ideas and suggestions to arrive at a finished product design. Viewers communicate with Luchini through social media tools while he coordinates their efforts, builds the product, and reports progress via blog. The viewer “team” will confront real product development issues such as budget, timelines, and testing on the way to building a prototype of their chosen product.

The “Let’s Go Design” home page will display the audience’s tweets and blog comments, as well as videos of Luchini helping put viewers’ ideas together to create a finished product. Luchini, a custom vehicle enthusiast who builds hot rods and choppers in his spare time, will host the series from a new design studio at DS SolidWorks’ headquarters in Concord, Massachusetts. The audience will kick off each project by voting through <http://www.solidworks.com>/the series Web site on what to design. The audience stays fully involved throughout the project, submitting ideas, opinions, and reactions through the show’s blog and by responding to [Luchini’s Twitter feed](#). DS SolidWorks plans to sponsor as many as four “Let’s Go Design” segments this year.

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Defiance Technologies Joins Aras Partner Program

13 April 2010

[Aras](#)® announced that Defiance Technologies, a global engineering, ERP & IT Services provider and member of the Hinduja Group, has joined the Aras Partner Program.

Defiance provides PLM consulting, design, implementation and support services to global customers in automotive, high-tech, aerospace and defense, life science, healthcare and retail industries.

“We are excited to offer the Aras PLM solution suite to our PLM customers,” said Subu D Subramanian, CEO of Defiance Technologies. “We look forward to sharing the benefits of enterprise open source PLM with our global clients.”

About Defiance

[Defiance Technologies Limited](#), a Hinduja Group Company, is a leading provider of Engineering, ERP and IT services to global customers leveraging the Global Delivery Model. The Hinduja Group is a well diversified multi-billion, global business conglomerate and has about 100 years of experience in building and running successful businesses. Defiance Technologies was established in 2006 as ADES with a focus on providing Engineering Services. In 2009, it expanded into integrated Engineering, ERP and IT services and solutions. Headquartered in Chennai, Defiance has state-of-the-art development

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centers at Chennai and Bangalore in India and business offices in USA, Europe, Middle East and India. Defiance provides product testing and validation services through Defiance Testing & Engineering Inc, Troy Michigan.

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EDA Consortium Elects Officers and Board Members

16 April 2010

The Electronic Design Automation (EDA) Consortium announced that it has elected a nine-member Board of Directors and officers to serve the organization through spring 2012. Walden C. Rhines, Chairman and CEO of Mentor Graphics Corporation, was re-elected chairman by the new board. Kathryn Kranen, president and CEO of Jasper Design Automation, was re-elected as vice chair, and is joined by Lip-Bu Tan, president and CEO of Cadence Design Systems as a newly elected vice chair.

In addition to the officers, the elected EDA Consortium Board members include:

- Edmund Cheng, president and CEO, Gradient Design Automation
- Dane Collins, CEO, AWR Corporation
- Aart de Geus, chairman and CEO, Synopsys, Inc
- John Kibarian, CEO, president and co-founder, PDF Solutions
- Alex Shubat, president and CEO, Virage Logic
- Ravi Subramanian, president and CEO, Berkeley Design Automation

The new board was elected by the EDA Consortium's general membership during the voting period ending April 15, 2010. The board chairman and vice chairmen were elected at a special board meeting held following the Spring Members Meeting on April 15. At the same meeting, the Board also reappointed Robert M. Gardner CFO and Treasurer and Mark White, Partner, White & Lee, LLP, Corporate Secretary.

About the EDA Consortium

The EDA Consortium is the international association of companies that provide tools and services that enable engineers to create the world's electronic products. EDA is the technology used to design electronics for the communications, computer, space technology, medical and industrial equipment and consumer electronics markets among others.

For more information about the EDA Consortium or to subscribe to the Market Statistics Service, contact EDA Consortium, 111 West Saint John Street, Suite 220, San Jose, Calif. 95113, USA, office 408-287-3322, fax 408-317-3322 or visit www.edac.org.

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IronCAD Signs New Reseller in Russia

12 April 2010

[IronCAD, LLC](#) announced the signing of their latest reseller, 3D Industry based in Russia. 3D Industry is a company with professionals whose primary focus is on 3D design within various industries. The

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company has launched the first Russian website (<http://www.3din.ru>), dedicated to the IRONCAD and INOVATE product offerings from IronCAD, LLC.

"We are familiar with many CAD systems which we have applied in our previous design tasks. Of course each software has its advantages and disadvantages. However IRONCAD, with the help of the unique and simple TriBall utility, provides more freedom and flexibility in the modeling process. The TriBall is not a classical command tool, but more of an instrument that successfully allows users to work with virtual objects as you would with a physical object in your hand which drastically reduces time and complexity of the modeling process. It combines the capabilities of displacement, rotation, alignment, copy, and many others into a single tool to eliminate the need to worry about each step of modeling process. Using this tool along with IRONCAD's design flexibility, you will have more time and freedom to design the boldest and most challenging projects." stated Yaroslav Sinitsyn, President of 3D Industry.

"IRONCAD 2009 Next Generation "XG", is a powerful system that can be used in any industry. This version allows users the ability to quickly and efficiently create 3D models, visualize projects, and has a powerful industry standard 2D design system for detailing designs or even designing 2D elements from scratch. This unique offering is not only available in the Russian market, but also throughout the world." he added.

"We are excited to establish partnership with 3D Industry in Russia. Their background and design experience will be a valuable offering to customer in the Russian market. We are confident that 3D Industry will help grow the IRONCAD product and will be able to develop strong customer relationships that use IRONCAD as the foundation to excel users design capabilities and quality while reducing their design to market time." stated Richard Serna, IronCAD's Director of Channel Sales.

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Magma Appoints Noriaki Kikuchi President of Magma KK -- Longtime Technology Executive Brings Wealth of Experience to Japanese Team

April 11 2010

Magma Design Automation Inc. announced it has named Noriaki Kikuchi president of Magma KK, Magma's Japanese subsidiary. Kikuchi, with more than 30 years experience in electronic design automation and other technology industries, reports to Magma President and Chief Operating Officer Roy E. Jewell.

"Kikuchi-san has the proven track record to make him an exceptional fit to lead our team in Japan," Jewell said. "I believe his background and perspective will enhance our Japan team's ability to build on our past successes here."

"I'm delighted to join such an innovative and forward-thinking company as Magma," Kikuchi said. "Magma technology is well regarded in Japan – the new Tekton static timing analysis platform has been met with great enthusiasm – and I believe the company's commitment to making customers successful will continue to be key to attaining even greater accomplishments."

With a history of sales and senior management positions with increasing responsibilities, Kikuchi most recently was president of Japan operations for Brion Technologies Inc., a subsidiary of ASML, overseeing sales, field application engineering and customer service. Previously he was president of Tera Systems Japan, and also held senior sales and field operations positions with Synopsys Japan and Seiko Instruments Inc. Kikuchi holds a Bachelor of Arts degree in management from Chuo University in

Tokyo.

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PTC Expands its Support for 2010 FIRST World Championship in Atlanta

14 April 2010

PTC announced that it has expanded its support for the 2010 *FIRST*[®] (For Inspiration and Recognition of Science and Technology) Championship in Atlanta, Ga., April 15 - April 17, 2010, co-sponsoring more than 30 teams and celebrating mentors. This brings the total number of PTC-sponsored *FIRST* teams to more than 100 for the year.

Reaching more than 212,000 students in grades K-12 annually, *FIRST* has designed accessible, innovative, mentor-based programs that build science, technology, engineering and math (STEM) skills. These programs inspire young people to pursue STEM education and career opportunities as well as help build self-confidence, knowledge and life skills. PTC is a Crown Supplier to the *FIRST*[®] Robotics Competition (FRC[®]) for the fourth consecutive year and the official CAD and Collaboration Sponsor to the *FIRST*[®] Tech Challenge (FTC[®]) for the second year, providing free software, including [Pro/ENGINEER[®]](#), [Mathcad[®]](#), [Windchill[®]](#) and [ProductView[®]](#), to participating teams.

"*FIRST* is aligned with PTC's worldwide education initiative. We are excited to sponsor *FIRST* because it promotes 21st century skills, focuses on developing the 'whole student,' and partners with industry and educators to create students with a lifelong interest in science and engineering," said Robin Saitz, senior vice president, solutions marketing and communications and *FIRST* Executive Sponsor, PTC. "We are impressed by all of the *FIRST* teams and are proud to be part of a STEM literacy movement that helps to develop a broad and deep pipeline of engineers for the future, meeting both the needs of our customers and industry."

At this year's Championship, PTC's booth in the pit area celebrates *FIRST* mentors, recognizing the program's 90,000 volunteers who have had the greatest impact on the students. In addition, mentors can visit the PTC booth to capture their most memorable *FIRST* moments on video and receive a special recognition pin. The PTC showcase within the booth will also allow visitors to learn how their team can use PTC software to quickly build a more competitive robot and communicate more effectively among team members. This is the same software that is used by over 25,000 leading manufacturing companies around the world.

"It's rewarding to realize that our company's investment in these students is helping to feed the pipeline of potential future employees," said Bob Scagni, FRC Team #175 Mentor and Space, Land & Sea Marketing Manager, Hamilton Sundstrand. "This is a great way for us to target new talent and bring these folks into the Hamilton Sundstrand family. We're reaping significant benefits from this program and are thrilled to partner with PTC in this common goal."

Teams sponsored by PTC at the Championship include FRC teams Team 1519 Mechanical Mayhem of New Hampshire, Team 2574 the RoboHuskie of Minnesota, Team 1902 the Exploding Bacon of Florida, Team 2775 Liberty Robotics of Tennessee and Team 2834, the Bionic Barons of Michigan. FTC teams include Team 93 Deep Run High School of Virginia, Team 154 Renegade of Rhode Island and two teams from Chaffee High School (3620 and 3621) of Missouri as well as FLL Team 749 the Newton RoboKnights of Massachusetts.

To learn more about *FIRST*, go to www.usfirst.org.

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Tacton Systems and T-Systems Multimedia Solutions Have Signed an Agreement to Collaborate in the Area of E-Configuration

15 April 2010

Tacton Systems announced that T-Systems Multimedia Solutions, a subsidiary of T-Systems and Germany's leading provider of internet based-solutions, has signed an agreement for Tacton Configurator – whereby an E-Configurator in T-Systems E-Commerce Solutions is powered by the Tacton Configurator. Tacton Configurator enhances the E Commerce Solution so that companies can sell over the web, anything from simple products to the most complex or modular products. Customers will be able to configure these products to suit their individual needs and requirements.

In working with leading manufacturers, Tacton has the expertise and technologies to automate product configuration processes, including pricing, quoting, proposals, BOM and other documentation. Tacton Configurator tightly integrates with ERP systems as well as CRM, e-commerce, PLM, and CAD, and can configure anything from simple products to the most complex dynamic equipment.

T-Systems Multimedia Solutions has over 980 employees at eight locations across Germany. They specialize in tailor-made E Configurator solutions in the E Commerce business. The E-Configurator, powered by Tacton Configurator, enables manufacturers of configured products, such as Build-to-Order and Assemble-to-order, to consistently manage product diversity, from bidding and sales to manufacturing planning. This will increase their agility and responsiveness to market specificity, while reducing cost and lead-times in the overall process.

“We are very happy to cooperate with Tacton; a technology provider with a strong expertise in the manufacturing industry. The Tacton Configurator enhances our E Commerce Solution, and gives us the competitive edge with a customer needs-based approach to configuration. Tacton is providing one of the most powerful and flexible embeddable configuration technologies,” says Robert Bonča, Business Consultant at T Systems Multimedia Solutions.

"We are pleased to have a system integrator like T-Systems to sell an E-Configurator powered by Tacton Configurator. Thanks to this agreement, more companies will be able to shorten their sales cycles drastically by automating the quotation and bidding process," says Christer Wallberg, CEO at Tacton Systems.

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Events News

CimatronE Multicore Capabilities to be Showcased at Intermold

13 April 2010

[Cimatron Limited](#) announced that its Japanese service provider Saeilo will showcase CimatronE 9.0 at the Intermold trade show in Osaka, Japan (Booth 6A-404).

CimatronE 9.0 uses all available cores when calculating NC procedures, greatly shortening programming times for rough, finish and cleanup operations. In internal tests, this capability resulted in calculations that were 28% shorter using dual core computers and 40% shorter for quad core computers.

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Multicore functionality is completely under the user's control, and the NC programmer can choose to utilize all of the computer's processing power, or to leave cores available for other software. Because CimatronE 9.0 can run at 64-bits, the system also makes full use of available RAM.

In addition to faster NC, CimatronE 9.0 also features substantial enhancements to mold and die design capabilities, with greater automation for mold making. CimatronE is a completely integrated CAD/CAM system facilitating a smooth, error free transition from design to NC.

A recent addition to CimatronE's mold design capabilities is the introduction of the Moldex eXplorer, which analyzes the flow of plastic in the mold to help determine injection points. Moldex add-ons will also be displayed in Saeilo's booth.

Intermold will take place in Osaka from April 14th to 17th, 2010.

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Delcam Previews PowerMILL 2010 on Webex

15 April 2010

[Delcam](#) and its international network of resellers are holding a series of webinars and user meetings to launch the new release of its PowerMILL CAM system for five-axis and high-speed machining. A complete list of these events is on www.powermill.com/globalpreview/. PowerMILL 2010 will also be demonstrated at a number of exhibitions over the coming months, including MetalTech Malaysia in Kuala Lumpur, Die & Mould China in Shanghai, PDx/Amerimold in Cincinnati, EASTEC in Massachusetts, BIEMH in Bilbao, Spain, and MACH in Birmingham, UK.

PowerMILL 2010 is the first 64-bit version of the software. 64-bit technology removes the memory limitations of 32-bit computers so allowing more efficient toolpath generation, especially for companies machining large or complex parts.

The PowerMILL 2010 release also continues to improve user productivity by extending the use of the latest background-processing and multi-threading technologies available in recent hardware. The combination of these two developments is estimated to reduce calculation times by up to 25%, although this will depend on the size and complexity of the part.

PowerMILL 2010 includes more than 50 other major enhancements to give faster and easier programming, more efficient toolpaths and better surface quality in the finished parts. This is the largest number of improvements in a single release for over five years and reflects the continued high levels of investment in product development at Delcam.

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Delcam Sales Partner DiTra Holds User Meeting in Bulgaria

16 April 2010

[Delcam](#)'s Sales Partner in Bulgaria, DiTra, held its most successful user meeting to date in Sofia last month. Two years ago, there were only twelve attendees at the meeting; this year's event attracted more than 50 delegates.

This higher number reflected the increase in sales of Delcam's CAM software in the country. Over the opening months of this year, DiTra has been the fastest-growing Sales Partner in Europe for the

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FeatureCAM feature-based CAM system and has also seen greater interest across the full range of Delcam's programs.

Highlights of the meeting were demonstrations of the 2010 versions of PowerMILL and FeatureCAM. The new Delcam for SolidWorks integrated CAM program also attracted considerable interest, although this was little surprise since DiTra is Bulgaria's leading reseller of SolidWorks

DiTra was founded in 1990 to improve its customer's performance through the implementation of leading engineering technology. It has been a Delcam Sales Partner since 2005. As well as supporting the CAD/CAM needs of Bulgaria's manufacturing companies, DiTra has supplied software to all of the country's technical universities. The company is now expanding its operations into Macedonia.

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Delcam to Support Broad Range of Machine Tools at Ontario Open House

13 April 2010

[Delcam](#) will support the leading Machine Tool Distributors in Ontario – DMG Canada, Elliott Matsuura, Ferro Technique, SST and EMEC – at their annual Open House event in Mississauga, Ontario, on 5th and 6th May. With over 50 CNC machines on display, this two-day event will give visitors a chance to compare the latest and greatest in CNC technology by many of the world's premier builders; GF Agie Charmilles, Tornos, Makino, Mikron, Okuma, Doosan, Matsuura, Muratec, Metris, Toyoda, Brother, Tsugami, Chiron, Roku-Roku, Agma, Sister and Nakamura-Tome.

According to Mark Cadogan, Delcam's Vice President for Sales in Canada, "We have a great relationship with the Machine Tool OEMs as we can provide CAM software to run any of their machines. It is much easier for them to deal with us as a single supplier than having to use different CAM partners across their ranges of equipment."

"They also know that Delcam has the largest CAM development team in the industry, having spent over \$14 Million US on R & D in 2009," he claimed. "This means that Delcam can develop extra functionality for any new machines faster than other suppliers."

"A huge benefit of working with Delcam is the extensive support that is provided to both customers and machine tool suppliers," he added. "Furthermore, we have the financial resources to ensure that this high level of support can be maintained during the current downturn."

With its broad range of CAM software, PowerMILL, for high-speed and five-axis machining, FeatureCAM for feature-based programming and PartMaker for Swiss-type lathes and turn-mill equipment, Delcam will be able to showcase solutions for all of these advanced machine tools.

The 2010 PowerMILL release supports 64-bit computers and also continues to improve user productivity by extending the application of the latest background-processing and multi-threading technologies available in recent hardware. The combination of these two developments is estimated to reduce calculation times by up to 25%.

PowerMILL 2010 also includes more than 50 other major enhancements. This is the largest number in a single release for over five years and reflects the continued high levels of investment in product development at Delcam. These improvements allow faster and easier generation of highly-efficient toolpaths for three- through five-axis milling.

The most obvious change for existing users will be an updating of all the toolpath-creation forms to a

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new and improved layout. The forms make it simpler for new users to find the commands they need, while also giving experienced operators more logical access to the more advanced options.

FeatureCAM was the world's first feature-based programming system when it was introduced in 1995. According to FeatureCAM Development Director, Tom McCollough, "Recently, other CAM developers have tried to copy our automated approach to programming. However, with our longer history and larger R&D investment, we believe that FeatureCAM still maintains its clear leadership in knowledge-based machining."

FeatureCAM's high degree of automation already gives faster programming than other CAM systems. A range of enhancements in the 2010 version will make the software even quicker. Most important of these developments is support for multi-threading when generating 3D toolpaths. This allows calculations to be spread across multiple cores in dual- or quad-core computers. Improved algorithms have been introduced within the user interface to speed up the editing of features and to reduce the time needed to switch between machine-tool set-ups, while more efficient handling of stock models will reduce the memory required and so enhance performance still further.

Major highlights of the latest PartMaker release include the ability to perform five-axis simultaneous milling on multi-axis lathes, more powerful milling functionality, enhanced grooving routines, faster tool path creation, improved solid model-based programming tools and better programming of thread whirling.

PartMaker 2010 also features the option for a direct interface to all the advanced five-axis machining strategies currently supported by PowerMILL, including blade and blisk machining, as well as its highly sophisticated three-axis strategies. PowerMILL tool paths can be imported directly into PartMaker, manipulated and synchronized on PartMaker's Process Table, and then simulated and post-processed directly from that working environment.

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Lattice Technology Brings DMU and Technical Documentation Discussion to COFES 2010

13 April 2010

Lattice Technology® Inc. is participating in COFES 2010 this year as a Hospitality Suite sponsor.

Lattice Technology will be discussing with attendees how 3D data can deliver significant productivity improvements for manufacturing when it is used in departments other than design and engineering. However, to be productive downstream, the 3D data needs to be tuned to requirements that are not readily dealt with in design areas or typically handled by CAD systems. This is where specialist tools such as those from Lattice Technology come in.

"One customer, Alpine Precision, reduced lead times on its molds by 50% using Lattice Technology Solutions, which to many seems like an unbelievable productivity gain in this day and age of continuous improvement," said Bill Barnes, General Manager, Lattice Technology. "They did it by testing and mocking up designs far earlier and then delivering the precise information needed by shop floor, production, support staff etc., created directly from 3D by the Lattice Technology Solutions."

Lattice Technology Solutions author and deliver print-ready and digital technical documentation for almost every downstream use direct from 3D data. Sophisticated digital mock up tools allow for the verification of designs, including interferences in the design, clashes during assembly, process design and editing, with full reporting of the results.

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At COFES Lattice Technology will discuss with attendees the perceived and real barriers that can exist when an operation tries to use 3D enterprise-wide and deliver greater understanding of how these barriers can be easily resolved. Subjects will include:

- Unlocking the CAD data so it becomes relevant downstream
- Digital mock up benefits for productivity
- Reducing scrap through better process and assembly testing
- Balancing print and digital data for the shop floor
- Introducing 3D to the shop floor and beyond
- Process design and human interaction
- Bringing 3D to support, maintenance and repair teams

COFES 2010 (Congress On the Future of Engineering Software), is being held on April 15-18 2010 in Scottsdale, AZ.

Find out more about Lattice Technology, and register for a free product trial download at:

<http://www.lattice3d.com>.

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MSC.Software Offers Webinars on Nonlinear, Motion and Multidiscipline Simulation Solutions Helping Engineers Tackle Design Challenges and Optimize Virtual Product Testing

April 2010

Click on the links below to view a Webinar On-Demand

Design Optimization with MD Nastran

[>>Replay Now Available](#)

Are you making trade-off decisions on key product attributes in the areas of cost, weight, manufacturability, quality, and performance? Learn how, MD Nastran can help you perform detailed design optimization and validation, and conduct multidisciplinary studies efficiently and effectively.

Adams for Loads – Virtual Loads Improve Results of FEA

[>>Replay Now Available](#)

Product failure is costly so predictive tools like Finite Element Analysis and Fatigue Life Predictions are used. But, these results are only as good as the loading inputs that drive them. Learn how you can perform system-level multibody dynamics simulation to quickly and accurately predict loading throughout complex systems early in the design process using Adams.

Simplify Nonlinear Analysis of Elastomers

[>>Replay Now Available](#)

Modeling of elastomeric components requires simulation software that is capable of addressing large deformations and strains and accounts for the complex nonlinear behavior of these materials. Learn how Marc can help you simulate elastomeric components with ease and improve your productivity.

Adams on the Road – Recent Tire & Road Modeling Advances

[>>Replay Now Available](#)

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Recent advancements for tires and roads in Adams 2010 enable time savings and sophistication in vehicle simulation. Learn how the tire data and fitting tool delivers convenient identification of tire model parameters from measured data; the curved regular grid (CRG) road allows you to work with high-resolution 3D road data; and the introduction of a deformable road improves accuracy by capturing tire-soil interaction forces for elastic/plastic grounds such as sand, clay, loam and snow.

Quick Assembly Modeling using Glued Contact

[>>Replay Now Available](#)

During the analysis of large scale assemblies, a large amount of time is spent on adjoining incongruent meshes. Mesh data can come from various sources which makes the job of assembling all the more tedious. Learn how, with MD Nastran you can remove mundane tasks, perform quick assembly modeling and make accurate early design assessments.

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PDVSA Engineering & Construction and PEMEX to Present Best Practices in Collaborative Engineering and Optimization At AspenTech Seminars in Latin America

14 April 2010

[Aspen Technology, Inc.](#) announced that PDVSA Engineering & Construction and PEMEX will present best practices in engineering and optimizing operations at upcoming AspenTech seminars in Latin America. The seminars will show how process industry companies can improve product quality and profitability using aspenONE Engineering and aspenONE Manufacturing software.

The “Best Practices for Collaborative Engineering Forum” in Puerto La Cruz, Venezuela on April 14, will show how engineering projects can be completed faster and cheaper with higher quality deliverables.

The “Best Practices for Value Chain Optimization Forum” in Mexico City on May 19, PEMEX will show how they optimize energy costs, lower variability, and improve product quality and plant throughput.

PDVSA is Bolivarian Republic of Venezuela’s national oil company and the world’s fifth largest oil exporter. PEMEX is Mexico’s national oil company and the largest enterprise in Latin America.

Supporting Resources:

[aspenONE V7](#)

[Upcoming Web Seminar Schedule](#)

About Petr leos de Venezuela S.A. (PDVSA)

Petr leos de Venezuela S.A., the state-owned corporation of the Bolivarian Republic of Venezuela, is responsible for the efficient, profitable, and dependable exploration, production, refining, transport and commerce of hydrocarbons. For more information, visit www.pdvsa.com

About Petroleos Mexicanos (PEMEX)

Petroleos Mexicanos is the biggest enterprise in Mexico and Latin America and the highest fiscal contributor to the country. It is one of the few oil companies in the world that develops all the productive chain of the industry, upstream, downstream and final product commercialization. PEMEX operates by means of a corporative and four subsidiary entities; PEMEX Exploraci n y Producci n (Exploration and

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Production), PEMEX Refinación (Refining), PEMEX Gas y Petroquímica Básica (Gas and Basic Petrochemicals), and PEMEX Petroquímica (Petrochemical). For more information, visit www.pemex.com

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SAP Kicks Off Annual Virtualization Week Event

April 12 2010

Virtualization, cloud computing and green IT are technology priorities for many companies worldwide. However it's not always clear what these technologies can offer and how they can be optimized in an SAP environment. At the fourth annual [SAP Virtualization Week](#), customers, partners and [SAP AG](#) will come together to discuss the newest developments and product information around these topics. The event will be held April 13-15, 2010, at SAP Labs in Palo Alto, California, as well as virtually via an online event.

Experts from SAP and its ecosystem of customers and partners will host sessions focused on:

How SAP® solutions and applications run in a virtual environment

Which best practices are available for customers planning to implement virtualization or cloud computing

How customers can realize savings by consolidating their data centers

What cloud computing really is and how it will change data centers in the future

How green IT initiatives from SAP can help customers reduce the carbon footprint of their SAP business solutions

To see an overview of the sessions, please access the [event agenda](#). Visit www.sapvweek.com to learn more or register to attend in person or online. Follow SAP Virtualization Week on Twitter at [@SAPVWEEK](#)

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Sescoi's Productivity Software Draws Large Numbers to its Booth at Die & Mould India

April 12 2010

Sescoi was delighted with the constant flow of visitors to its booth at the recent Die & Mould India 2010 exhibition in Mumbai where its WorkPLAN Enterprise ERP software; its MyWorkPLAN job management system; and its WorkNC automatic CAD/CAM package were demonstrated. Organized by TAGMA, the Tool & Gauge Manufacturer's Association of India, the show was in its seventh year and welcomed in excess of 22,000 visitors, reflecting the rapid pace of economic recovery in India.

Following a series of seminars around the country in collaboration with the Indian Machine Tool Manufacturers Association, SESCOI has seen a surge of interest in manufacturing management optimization from Indian toolmakers. The company's WorkPLAN Enterprise system manages the complete manufacturing process for tool and die makers, allowing them to analyze and interrogate tool designs and quickly generate accurate quotations. Not only does this help companies to win more business, but it also ensures that companies are run profitably. The management of stock levels and purchasing keeps costs under control, as does the monitoring of operation times and quality levels. The

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ERP capabilities of the system manage the complete lifecycle of a tool, so that unexpected problems, repairs and modifications are all recorded. This means that the information is available to provide a better service to customers, as well as a knowledge base for future tooling contracts

Sescoi already has many high profile tool and die manufacturers using its WorkNC automatic CAD/CAM software in India, including Bharat Forge, the second largest forging company in the world, and part of the \$1.2 billion Kalyani Group; and Sermo ARRK India, part of the €1.8 billion ARRK Group. Version 21 of the software, which will release later this year, makes use of the advances in multi-processing computer hardware, speeding up calculation times and enabling more operations to be completed simultaneously. Advances in machining strategies combine operations for increased toolpath efficiency and fluidity, bringing 'one button' CAM even closer to reality.

Indian toolmakers visiting the Die & Mould show were particularly interested in 5-axis programming with WorkNC Auto 5 that makes advanced machining an easy task, enabling more of the part to be machined in one setting and the use of electrodes greatly reduced. Collision avoidance checks tool and holder lengths and advises programmers of the most appropriate set-up to use. Auto 5 also automatically introduces unwind and flip movements when the machine axis limits are reached.

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solidThinking to Highlight Benefits of Conceptual Design Technology on Product Development at 2010 Altair Engineering Americas HyperWorks Technology Conference

14 April 2010

Getting the Right Design, Getting the Design Right" will be addressed by solidThinking, Inc. Vice President of Product Strategy and Marketing Alex Mazzardo, who will be among 40 technology thought leaders presenting during the 2010 Altair Engineering Americas HyperWorks Technology Conference (HTC). The annual conference will be held at the Rock Financial Showplace in Novi, Mich., April 27-29.

solidThinking (<http://www.solidthinking.com/>) will exhibit key functionalities from its upcoming 2010 product releases, which were developed based on user feedback and designed to encourage collaboration between designers and engineers.

Mazzardo will discuss industry trends and present "Getting the Right Design, Getting the Design Right," at 10:30 a.m. on April 27. His presentation will focus on ways industrial designers can leverage advancements in modeling and rendering technologies to enhance the entire product development cycle, including:

- Finding pathways to winning designs early in the process
- Considering efficient forms starting from the early concept phase
- Improving collaboration between industrial design and engineering
- Effectively visualizing and validating design concepts

"Placing product development at the center of a company's strategy can be a key competitive advantage," Mazzardo said. "We are working constantly to provide users with the design environment and tools that invite creative exploration and facilitate collaboration between design and engineering. Altair's HyperWorks Technology Conference provides a setting where we can contribute our knowledge and user feedback to a global audience and share it across many industries."

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solidThinking is a NURBS-based surface and solid modeler. Offering design flexibility for its users, all solidThinking software is available for both Windows and Mac operating systems. It is compatible with leading design manufacturing and engineering software.

Key new features solidThinking will introduce this year include modeling tools that help significantly increase user productivity; improved workflow that allows faster operations; new shortcuts, selection and visualization aids; enhanced real-time rendering quality; and a plug-in for Maxwell Render 2.0.

The 3D conceptual design software also aims to encourage innovation through a number of other user-centric features, such as a highly intuitive user interface; a best-in-class ConstructionTree™ technology that allows designers to experiment in real time without having to start from scratch when they change their minds; and high-quality, real-time photorealistic imaging capabilities that allow designers to transform 3D models into realistic design visualizations.

solidThinking recently introduced morphogenesis™, a new form-generation technology offered in solidThinking 8.0 Inspired, which mimics natural processes and physical laws of nature to help designers and architects generate forms and structures in response to environmental conditions, and to help them leverage the results to develop and enhance their designs.

HTC is Altair's premier annual event and is free for all attendees. The three-day conference will offer sessions on advancements in the areas of simulation-driven design practices, design optimization, data management, process automation, cloud computing and decision support systems. Attendees have access to an extensive hardware and software exhibition, including solidThinking. For more information, visit <http://www.altairhtc.com/na/index.htm>.

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Synopsys Recognizes Technical Excellence at 20th Annual SNUG San Jose Conference

12 April 2010

Synopsys, Inc. announced the Best Paper Awards for the twentieth annual Synopsys Users' Group (SNUG®) San Jose conference, held in Santa Clara, Calif. on March 29-31. First place was awarded to Alvin Loke, Dru Cabler, Chad Lackey, Tin Tin Wee and Bruce Doyle of AMD and Zhi-Yuan Wu of GLOBALFOUNDRIES for "Constant-Current Threshold Voltage Extraction in HSPICE for Nanoscale CMOS Analog Design"; Alvin Loke won the Best First-time Presenter Award for presenting this paper. Second place was awarded to Gerard M. Blair of LSI Corporation for "Hold is not setup (derate is not OCV)." Third place was awarded to Paul Zimmer of Zimmer Design Systems for "'There's a better way to do it!' - Simple DC/PT Tricks That Can Change Your Life."

The SNUG Technical Committee Award went to Avishek Panigrahi and Arvind Parihar of MIPS Technologies, Inc. for "Clock Power Reduction-Analysis Metrics and Power Reduction Techniques." The Technical Committee Honorable Mention Awards went to Krishna Vittala of Microchip Technology Inc. for "Reusable UPF for Multi-Voltage Designs & Handling Analog Macros in Power Subsystems," and to Asif Jafri with Verilab Inc. for "Interoperable Testbenches using VMM TLM."

More than 2,000 technical users attended this year's San Jose event, which marked twenty years of close, continued collaboration between Synopsys and its users. The milestone event included a number of highlights, including the participation of industry luminaries Doug Grose (GLOBALFOUNDRIES), Rick Cassidy (TSMC) and Moshe Gavrielov (Xilinx) who shared their latest perspectives on the evolving industry. For the first time this year, technology tracks for system-level design and compute

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infrastructure were offered, allowing users access to an expanded program of technology tracks. SNUG San Jose 2010 also marked the first Designer Community Expo, which showcased the integration between Synopsys and more than 50 of its partners from across the electronics industry who provide solutions that address the difficult design challenges SNUG attendees face.

Aart de Geus, chairman and chief executive officer at Synopsys, opened the conference with a keynote sharing his perspective on some important trends. de Geus highlighted SNUG San Jose's 20th anniversary as a testament to EDA's growth and endurance as a highly collaborative, forward-thinking industry. He also spoke about a number of Synopsys' technology developments including Design Compiler® 2010, which is the latest RTL synthesis innovation within the Galaxy™ Implementation platform, as well as the company's expanded activities in the system-level design space with the recent VaST and CoWare acquisitions.

"SNUG's continued evolution has been integral to its longevity as a forum for designers to collaborate with Synopsys and each other," said de Geus. "I am grateful for these opportunities to meet with and learn from our users. I'm always impressed by the wonderful ideas shared at SNUG and the quality of papers submitted. This shared vision helps Synopsys continuously expand our portfolio to address the latest design challenges."

SNUG San Jose 2010 sponsors include: Platinum Sponsors ARM, GLOBALFOUNDRIES, IBM, Samsung Electronics Co., Ltd. and TSMC; Gold Sponsors Altera Corporation, HP, Virage Logic, Xilinx and Zuken; and Silver Sponsors Agilent Technologies and Doulos. The three-day SNUG San Jose conference featured a technical program with 85 presentations, including 36 user papers and 43 Synopsys technical sessions. The presentations focused on challenges that engineers face today in all areas of design, including synthesis, verification, low power design, physical design/sign off, analog/mixed-signal design, custom design, test, IP, embedded software development, rapid prototyping tools and compute infrastructure.

Please visit the Synopsys Users Group website at <http://www.snug-universal.org> for more information on upcoming events and how to submit a paper for consideration by the SNUG technical committee. Customers can also access proceedings and the award-winning papers at this link.

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Zuken Call for Papers for Z-DAC Americas Conference

13 April 2010

[Z-DAC, Zuken's Annual North American Conference](#) announces its Call for Papers. The 2010 Conference will be held October 12-13 in Atlanta, GA. Customers, prospects, and industry professionals alike are invited to submit proposals for Technical Sessions and Discussion Groups.

Technical Sessions

Zuken invites suggestions for 45-minute technical presentations. Content should be industry-relevant and pertinent to the Zuken user base. Topics related to design techniques, process improvements and problems/solutions are of particular interest. Presentations are welcome on any of the Zuken product lines, as well as general engineering design.

Discussion Groups

During the conference, attendees will have the opportunity to attend various Birds of a Feather

Discussion Groups. Driven by attendees, these are designed to be informal sessions to share thoughts and experiences on common topics. Suggestions for topics can be broad or narrow in scope, but should be related to design and engineering.

All submissions are due by May 21, 2010. For additional details regarding paper submissions, visit the Speakers' Corner at www.zuken.com/zdacspeakers.

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Financial News

ANSYS to Release First Quarter 2010 Earnings on May 6, 2010

14 April 2010

ANSYS, Inc. announced that the global innovator of simulation software and technologies designed to optimize product development processes expects to release its first quarter 2010 earnings on Thursday, May 6, 2010. The Company will hold a conference call conducted by James E. Cashman III, president and chief executive officer, and Maria T. Shields, chief financial officer, at 10:30 a.m. Eastern Time to discuss first quarter results and future outlook.

Conference Call Information:

What: ANSYS First Quarter 2010 Earnings Conference Call

When: 5/06/2010 at 10:30 a.m. Eastern Time

Where: <http://investors.ansys.com>

The conference call dial-in numbers are (800) 860-2442 (US), (866) 605-3852 (CAN), or (412) 858-4600 (INT'L)

Passcode: ANSYS

The call will be recorded with replay available within two hours after the call at <http://investors.ansys.com> or at (877) 344-7529 (US) or (412) 317-0088 (CAN and INT'L)

Passcode: ANSYS

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Apache Design Solutions Starts 2010 with Record Q1 Sales

13 April 2010

Apache Design Solutions announced that the company has achieved record bookings and revenue in Q1 while maintaining profitability. Contributions to Q1 growth came from increasing adoption of all of Apache's power and noise products for system-on-chip (SoC), analog, and package/system. While Apache's flagship product, [RedHawk](#)[™] continues to lead the market in SoC power and reliability sign-off, [PowerArtist](#)[™], [Totem](#)[™], and [Sentinel](#)[™] are gaining traction with RTL, mixed-signal and package/PCB design teams.

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Cadence Announces First Quarter 2010 Financial Results Webcast

9 April 2010

Who:

Cadence Design Systems, Inc. to announce first quarter 2010 financial results via webcast.

What:

You are invited to attend the first quarter 2010 financial results audio webcast. Participating on the webcast will be Lip-Bu Tan, president and chief executive officer, and Kevin S. Palatnik, senior vice president and chief financial officer.

When:

The webcast will begin Wednesday, April 28, 2010 at 2 p.m. (Pacific)/5 p.m. (Eastern). An archive of the webcast will be available from 5 p.m. (Pacific) April 28 until 5 p.m. (Pacific) May 12.

Where:

The webcast will be available online at: http://www.cadence.com/cadence/investor_relations

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Open Text to Report Third Quarter Financial Results on Thursday, April 29, 2010

13 April 2010

Open Text™ Corporation announced that financial results for its third quarter of fiscal 2010 will be released on Thursday, April 29, 2010 at approximately 4:00 p.m. ET.

Teleconference Call

Open Text will host a conference call on April 29, 2010 at 5:00 p.m. ET to discuss the financial results of its third quarter.

Date: Thursday, April 29, 2010

Time: 5:00 p.m. ET/2:00 p.m. PT

Length: 60 minutes

Where: 416-644-3416 800-814-4860 (Toll Free)

Please dial-in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning April 29, 2010 at 7:00 p.m. ET through 11:59 p.m. on May 13, 2010 and can be accessed by dialing 416-640-1917 and using pass code 4282062 followed by the number sign.

For more information or to listen to the call via Web cast, please use the following link:

<http://www.opentext.com/2/global/investors/ir-events.htm>.

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SpaceClaim Secures \$5 Million in New Funding

13 April 2010

SpaceClaim announced the company has secured an additional \$5 million in funding from current

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investors, including Borealis Ventures, Kodiak Venture Partners, Needham Capital Partners, and North Bridge Venture Partners. The new funding will support expansion of global sales and support as SpaceClaim continues to win new customers and expand partnerships.

Recently, SpaceClaim announced 253% year-over-year sales increases and new license sales up 188%. Additionally, the company has continued to invest in new product enhancements, having released two major releases in 2009 as well as other updates throughout the year. SpaceClaim's 3D Direct Modeling solutions are being leveraged for concept modeling, model preparation, and CAE across diverse industries including automotive, aerospace, defense, medical devices, consumer goods and educational engineering institutions.

"Our global customer base is growing and adoption within sites is expanding rapidly as engineers reap the benefits of extremely efficient, 3D Direct Modeling software that is shortening time-to-market and improving design creativity," said Chris Randles, President and CEO, SpaceClaim. "We are pleased that our investment team continues to recognize the value in SpaceClaim and realizes that our strategies to become one of the leading engineering software tools are paying off. This new round of funding supports our efforts to expand our channels globally, which is well timed with the 'thawing' of economic budgets to fuel competitive advantage for our customers."

"[SpaceClaim](#) has continued to perform extremely well, even in the challenging economic environment of the last 18 months," said Rich D'Amore, Partner, North Bridge Venture Partners. "North Bridge defines success by working closely with entrepreneurs to produce industry leading companies in emerging markets. SpaceClaim is well on its way to becoming a major force in engineering software and we welcome the opportunity to continue to fuel their success."

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Implementation Investments

Apache Design Solutions' Power and Noise Platforms Adopted by Aptina

13 April 2010

Apache Design Solutions announced that [Aptina](#) has adopted Apache's [RedHawk-NX](#) and [Totem-MMX](#) solutions for accurate analysis, optimization, and sign-off of Aptina's CMOS image sensors designs. Aptina selected Apache solutions based on the tools' ability to simultaneously perform system-on-chip (SoC) and transistor-level analysis, the ease with which they fit into their existing flow, and their ability to prevent overdesign by identifying and reducing IR drop.

Image sensor arrays are very large and must maintain very low levels of noise for good quality image. Aptina will use Apache's Totem-MMX, a transistor-level power / ground noise analysis and verification solution, to analyze and sign-off the huge analog sensor arrays which are implemented using custom-layout of transistors. The image sensor array is then compiled into accurate and efficient custom macro model (CMM) and imported to RedHawk-NX for a full-chip, mixed-signal dynamic power integrity simulation. The combination of Totem and RedHawk allows customers to consider the impact of analog transient supply currents on the digital logic of the SoC. Apache's high-capacity integrated solution helps prevent power-related design failures.

"Our leading edge CMOS sensors require analysis and verification tools with super large capacity handling," said Roger Panicacci, VP of Product Development, Aptina. "After benchmarking several

tools, Apache clearly demonstrated the ability to accurately analyze our most advanced CMOS sensor designs with very complex logic structures. By adopting Apache's power and noise platforms, we feel confident that our designs will maintain their competitive edge in performance and cost."

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AVL Develops Combustion Controller With MathWorks Tools

13 April 2010

[MathWorks](#) announced that AVL LIST GmbH has developed a real-time combustion controller using [Model-Based Design](#). With MathWorks tools, AVL reduced development time by approximately 50% compared to implementation using manual programming.

Engine calibration involves controlling an engine to its optimum combustion position, which has traditionally been a slow process of trial and error with an engine running on the test bed. To address this challenge, AVL has developed a new combustion controller that reduces test bed time for engine calibration teams. AVL built a system-level model in [Simulink](#) to verify the controller in simulation over its full range of operation and test the reaction to limit violations to protect the engine under test. [Real-Time Workshop](#) and the AVL ARTE.Lab tool helped the team generate code from the controller model and execute it on the test bed. In addition to reducing development time, AVL integrated a new test bed with the controller in two days and cut testing time by 80% on a recent pilot project.

"Using MathWorks tools was critical to the success of our combustion controller, which will, in turn, enable our test bed customers to reduce testing time," said Dr. Klaus Rothbart, product manager at AVL. "Integrating MathWorks tools gives us an advantage because a majority of our customers also use MATLAB and Simulink, and can customize the combustion controller without additional ramp-up time."

"With rising engine complexity, calibration remains a challenging and time-consuming task for automotive engineers," said Jon Friedman, automotive industry marketing manager at MathWorks. "We are encouraged to see AVL's success in test bed development as well as the new controller that helps calibration engineers gain testing efficiency using Model-Based Design and MathWorks tools."

About AVL

AVL is the world's largest privately owned company for development of powertrains (combustion engines, hybrid systems and, electric drives) as well as simulation and test systems for passenger cars, trucks, and marine engines. The high-tech company AVL employs 4,500 people worldwide. Turnover in 2008 was 740 million Euros.

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eSilicon Joins Synopsys' IP OEM Partner Program

14 April 2010

Synopsys, Inc. and eSilicon Corporation, the largest independent semiconductor Value Chain Producer (VCP), announced that eSilicon has joined the Synopsys IP OEM Partner Program. eSilicon has had a successful history using DesignWare® IP which includes the completion of 200 designs with 100 percent first-pass silicon success utilizing Synopsys' broad portfolio of high-quality IP solutions such as DesignWare Library, USB, PCI Express®, DDR, SATA, Ethernet, HDMI, MIPI IP including 3G

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DigRF, CSI-2 and D-PHY, data converters and audio codecs.

The history of success with DesignWare IP in an array of applications such as telecom, consumer and computer applications is one of the key reasons eSilicon joined the Synopsys IP OEM Partner Program. Through this program, end customers gain access to a wide range of silicon-proven, interoperable IP that helps them reduce integration risk and speed time-to-market for their SoC designs. They also benefit from eSilicon's proven VCP model which provides the IP, infrastructure, products, services and well-established supply chain for an optimal design flow.

"The combination of Synopsys' DesignWare IP solutions and eSilicon's services provides us with the optimal solution for our product requirements," said Alain Legault, vice president of engineering at Octasic. "eSilicon, as a semiconductor VCP, provides a low-risk path to volume chip production by applying its best-in-class skills, expertise, systems and patented infrastructure. By eSilicon collaborating with an industry leader like Synopsys for high-quality DesignWare IP solutions, it enables us to successfully introduce differentiated products to the market."

"As a Value Chain Producer, it is critical that we have high-quality IP available to help ensure our customers' designs see silicon success," said Kalar Rajendiran, senior director of marketing at [eSilicon](#). "We've had a long history of success with Synopsys' DesignWare IP, and joining the IP OEM Program is a natural extension of this collaboration. Through this program, eSilicon benefits from specialized on-site, in-depth product and integration training and high-quality products that are backed by a responsive and knowledgeable support team."

"Having eSilicon achieve multiple first-pass silicon successes with DesignWare IP substantiates Synopsys' investment in quality, breadth of portfolio and technical support. It also demonstrates eSilicon's track record of successfully applying their design and manufacturing skills," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "As a leader in interface and analog IP, we continue to provide proven and compliant IP solutions that help designers lower their risk, reduce costs and bring differentiated products to the market faster."

About Value Chain Producer

A Value Chain Producer (VCP) is a company that collaborates with foundries, IP and service providers, EDA suppliers, package, assembly and test operations in designing and producing chips for fabless IC, IDM and OEM companies. VCPs optimize the economics of customer value chains and enable customers to focus on their product differentiation and market growth. A VCP earns revenue by shipping packaged, tested products with the customers' logo. The term was created by eSilicon and was adopted by the Global Semiconductor Alliance (GSA) as a new category in October 2009.

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HiSilicon Adopts Cadence Mixed-Signal and Low-Power Technologies

12 April 2010

Cadence Design Systems, Inc. announced that [HiSilicon](#) Technologies Co., Ltd. has expanded its collaboration with Cadence on its advanced wireless and networking chip designs. HiSilicon has expanded its use of the [Cadence® Encounter® Digital Implementation System](#), [Encounter Power System](#) and [Virtuoso® custom design technologies](#) in its [low-power](#) and [mixed-signal](#) flows at [advanced technology nodes](#). HiSilicon has also adopted the [Cadence Encounter Conformal® ECO Designer](#) in its engineering-change-order flow to help designers reduce both cost and impact on schedules resulting

from late iterations.

Headquartered in Shenzhen, China and formerly known as the ASIC Design Center of Huawei Technologies Ltd., HiSilicon has design divisions located in Beijing, Shanghai, Silicon Valley (USA) and Sweden. HiSilicon provides ASICs and solutions for communications networks and digital media. These ASICs are widely used in over 100 countries and regions around the world. In the digital media field, HiSilicon has already released an SoC and solution for network surveillance, videophone, DVB and IPTV.

Adopting the Cadence technologies enables HiSilicon to improve the productivity of its engineering groups in implementing low-power designs. The Cadence Encounter Digital Implementation System—with its technology and low-power support for multiple power domain designs—allows HiSilicon to leverage more effective power-saving techniques, such as power shutoff and voltage scaling. The mixed-signal capabilities within the Cadence Virtuoso® custom design technologies and the Encounter Digital Implementation System allow HiSilicon’s analog and digital design teams to collaborate more effectively by making digital implementation capabilities accessible from within the custom design environment, and vice versa. With these capabilities, as well-mixed signal and low-power signoff, the Encounter Digital Implementation System provides HiSilicon with a complete implementation and signoff solution for mixed-signal and low-power designs.

"After careful evaluation, we have chosen Cadence as the primary vendor of our low-power and mixed-signal design flows," said Teresa He, vice president of HiSilicon. "Today’s global semiconductor market is highly competitive and we are happy to sharpen the saw with the leading technologies from Cadence."

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Leading Radiopharmaceutical Provider Pharmalucence Selects Pilgrim Software for Quality and Compliance Management

15 April 2010

[Pilgrim Software, Inc.](#), a global provider of Enterprise [Risk](#), [Compliance](#) and [Quality](#) Management software solutions, announced that [Pharmalucence, Inc.](#), a radiopharmaceutical manufacturer and provider of contract aseptic drug production services, has named Pilgrim as its automated risk, compliance and quality management systems

Pharmalucence will implement Pilgrim’s solutions for [document management](#), [change control](#), [training management](#), and [events \(CAPA\) management](#) at its Massachusetts-based operations. With the Pilgrim platform in place, the company will strengthen and sustain its ongoing compliance while improving operational efficiencies and cost containment efforts.

Pharmalucence is currently engaged in the design and pre-production planning to support construction of a new corporate headquarters and state-of-the-art drug production facility. Implementation of an automated risk, compliance and quality management system is a critical piece in aiding the company to move to state-of-the-art operations in all functions. By installing the Pilgrim software solutions now, Pharmalucence will be able to move from a manual system to an automated one in preparation for occupancy of its new space in 2012.

"Pharmalucence is adapting this automated, integrated solution model as we prepare our business for the future," said Bill Waters, Chief Financial Officer for Pharmalucence. "We identified the need to evolve from a manual approach to QA/RA procedures and workflow, to what Pilgrim provides – a fully

automated process that will greatly improve efficiencies and allow enterprise-wide visibility into key quality and compliance data in real time and across all functions.”

Pharmalucence will gain rapid data visibility and have total control over the format, appearance, and context of all quality reports using Pilgrim’s [SmartInsight™ Report Writer](#). This solution allows business users to instantly create professional, custom log reports that they can save and reuse whenever they wish.

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LSI Adopts Broad Range of Cadence Mixed Signal Technologies

12 April 2010

[Cadence Design Systems, Inc.](#) announced that LSI Corporation signed a multi-year agreement for key Cadence® mixed-signal technology. After reviewing competitive offerings, LSI chose Cadence technology for its leading mixed-signal methodologies supported by the Virtuoso® custom and analog, and Incisive® verification technology platforms.

“We chose Cadence because of its product portfolio, leading-edge technology, comprehensive methodology and expertise for mixed-signal design,” said John Jansen, Director of Foundry Technology of LSI. “Cadence is a leader in mixed-signal IC design solutions, and we are successfully using these on some of our most challenging projects.”

Mixed-signal chips are essential for today’s complex electronics devices and play a strategically important role in LSI’s IC product business. LSI will use Cadence technologies, including the Virtuoso® IC 6.1 suite and Incisive® 9.2 suite, to develop its products for the networking and storage markets.

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Mentor Graphics Veloce Emulation Platform Adopted by STMicroelectronics to Accelerate Time-to-Market for its New Generation Set-Top-Box Chip Sets

15 April 2010

[Mentor Graphics Corp.](#) announced that STMicroelectronics’ Home Entertainment and Display group (HED) has adopted the Veloce® platform for the system-level validation of its next-generation of digital Systems-on-Chip (SoC) for High-Definition (HD) Set-Top-Box (STB) applications.

STMicroelectronics (ST) chose the Veloce platform due to its high performance, state-of-the-art Testbench XPress (TBX) transaction-based environment, and extensive portfolio of iSolve™ vertical market solutions for the validation of digital standards associated with HDTV and STB.

“Meeting time-to-market goals for our digital consumer products requires advanced solutions that ensure the quality and integrity of our next-generation SoCs,” said Thierry Bauchon, R&D Director, Home Entertainment & Displays, STMicroelectronics. “iSolve solutions have helped us anticipate and perform significant advances in the validation of our digital set-top-box chips with its associated software, bringing forward considerably more of the system-level validation of our designs during the pre-silicon phase. In particular, during the software validation process, we could boot the full system using a real Ethernet connection, and decode video frames that we then transmitted over HDMI and analyzed to ensure compliance with the standard, allowing us to better meet our goals and achieve robust system

validation.”

The Veloce platform is the industry’s fastest dual-mode accelerator/emulator available, providing MHz performance for both transaction-based verification and traditional in-circuit emulation (ICE). With an extensive portfolio of vertical market solutions, the Veloce platform is the platform of choice for multimedia, networking, wireless, and embedded systems applications.

“Mentor has demonstrated for several years the leadership we have attained in the accelerated verification of multimedia-based applications with our Veloce platform and iSolve solutions,” said Eric Seloche, Mentor Emulation Division vice president and general manager. “Additionally, we have gained the premier position in delivering high-speed, transaction-based methodologies to a wide user base with our flagship product TBX. It is especially rewarding to see ST’s successful use of our advanced technologies in both of these areas, and we look forward to supporting ST on future projects with Veloce.”

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NOK Corporation Selects Aras for Enterprise PLM

15 April 2010

[Aras](#)® announced that NOK Corporation (7240:JP), a leading global parts supplier headquartered in Japan, has selected Aras Innovator suite for enterprise PLM to optimize product development and quality management with integrated CAD file management, secure online change management, advanced product quality management, and other critical business processes. The Aras PLM solution will support NOK’s world class continuous improvement strategies to enhance shareholder value through quality, cost and customer satisfaction.

NOK is a worldwide leader in sealing products for the automotive and industrial equipment markets and numerous sectors including electronics, aerospace, agricultural, construction, mining, marine, and more. NOK’s PLM strategy with Aras will provide the foundation for additional expansion through innovative new products for hybrid vehicles, fuel cells, robotics and renewable energy.

About NOK Corporation

Founded in 1939 and based in Tokyo, Japan, NOK has over 35,000 employees across 102 subsidiaries and 23 associated companies. For more information please visit <http://www.nok.co.jp>

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SolidWorks Helps Danish Company Reduce Packaging Machine’s Environmental Footprint

14 April 2010

[Ramac](#)’s new small-scale blister packaging machine is an innovative design on its own, but the company took innovation one step further when it made an environmentally friendly version of the machine using [SolidWorks](#)® software.

Ramac founders Søren Andersen and Jimmy Rose analyzed their packaging machine design part-by-part with [SolidWorks SustainabilityXpress](#) software to find material choices and manufacturing methods that decreased the machine’s environmental impact throughout its life cycle. SolidWorks SustainabilityXpress is an integrated part of [SolidWorks 2010 CAD](#) software, which is Ramac’s design

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platform. The software helped Andersen and Rose weigh every environmental factor in producing the RAMAC 525 Workstation, which is a semi-automatic machine that forms and seals blister packs for consumer and medical products in low to medium quantities. The SolidWorks SustainabilityXpress intuitive dashboard details a design's expected carbon footprint, air and water impact, and energy consumption. It rolls up the probable environmental impact of an entire designed product across its life cycle.

"It's amazing how easy it is to find out if an alternative solution is better or worse than your original design, from an environmental point of view," Andersen said. "It took us just a few minutes to find out that if we manufactured a special component in plastic in Denmark, instead of aluminum in Malaysia, as we first planned, we can spare the Earth 600 kg CO₂ every year. Every variable analyzed with SustainabilityXpress indicated that plastic would be more environmentally friendly than aluminum and strong enough to support the load required."

In addition to the material and manufacturing changes, SolidWorks SustainabilityXpress prompted Ramac to exchange a pneumatic cylinder for an electrical one that consumed less energy. The software documented every environmental gain Ramac made by choosing alternative materials and production methods. That's important for convincing customers they are buying more environmental friendly equipment, Andersen said.

"Many companies today claim they are green, but to be credible you must be able to prove you are," Andersen said. "The documentation functions in SustainabilityXpress are very clear and easy to understand. We have decided to deliver the environmental analysis document along with every green packaging machine we sell to prove we don't just talk about sustainability, but really have integrated environmental principles into our business."

Encouraged by its success in creating a greener machine, Ramac plans to analyze all future versions of the packaging machine with SolidWorks SustainabilityXpress right from the beginning of the design process.

"Sustainability and carbon footprint have become frequently used words by companies and media all over the world. They're nice words that indicate a growing concern for our planet, but up until now it has been very hard to document that concern in day-to-day actions," said Simon Booker, European marketing manager of Dassault Systèmes SolidWorks Corp. "We developed SolidWorks SustainabilityXpress to give companies who care about sustainability metrics, like Ramac, the tools they need to design more environmentally sound products. It's powerful, easy to use, and makes a difference for every company that wants to be considered green."

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Synopsys Expands IP OEM Partner Program with Two New Members

14 April 2010

Synopsys, Inc. announced that eSilicon and Brite Semiconductor have joined the Synopsys IP OEM Partner Program along with renewed members Global Unichip and Open-Silicon. Through the IP OEM Partner Program, members standardize on Synopsys' broad portfolio of DesignWare® interface and analog IP such as USB, PCI Express®, DDR, HDMI, SATA, Ethernet, MIPI IP including 3G DigRF, CSI-2, D-PHY, data converters and audio codecs for their system-on-chip (SoC) designs. By enabling member companies to access a wide range of interoperable IP from a single supplier, Synopsys helps them and their end-customers speed time-to-market and reduce risk for their complex SoC designs.

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"With the growing trend towards outsourcing, Synopsys understands the need for an IP business model that enables eSilicon to deliver high-quality products to end-customers," said Patrick Soheili, vice president of marketing and business development at eSilicon. "As the pioneer of the Value Chain Producer business model, we have been using DesignWare IP for many years to identify the right match of IP for our broad customer base and this partner program is a formalization of that arrangement. Synopsys' proven DesignWare IP combined with eSilicon's proven first-pass silicon track record enables our customers to quickly ramp to volume production."

Synopsys enables fabless ASIC companies and supply chain partners to deliver right-first-time designs to their customers and help them meet their critical time-to-market windows. By providing the necessary resources and infrastructure, Synopsys enables the IP OEM Program members to deliver first-rate support to their end customers and easily create successful designs. Specialized on-site, in-depth product and integration training led by Synopsys engineers enables the partners to have an unprecedented level of expertise, resulting in first-pass silicon success.

"After evaluating IP vendors based on breadth of portfolio, quality of IP and technical support, we determined that Synopsys came out ahead in all areas," said Thomas Xu, vice president of engineering, at Brite Semiconductor. "As a member of Synopsys' IP OEM Partner Program, we are also able to develop a deeper level of expertise with their products, which will allow us to quickly integrate their IP into our customers' designs with less risk and improved time-to-market."

"Being a member of the IP OEM Partner Program has been instrumental in enabling us to quickly deliver differentiated designs to our end-customers," said Keh-Ching Huang, marketing director at Global Unichip. "Global Unichip has been focusing on providing service to extremely complex projects in advanced technology nodes. Our continued membership is a testament to the value provided by this program and demonstrates our continued commitment to speeding time-to-market and reducing risk for our customers."

"As an initial member of the Synopsys IP OEM Partner Program, Open-Silicon recognizes how a tighter working relationship between IP design and ASIC integration drives quality. Our close ties with Synopsys' knowledgeable technical support team have helped Open-Silicon revolutionize the ASIC industry and drive our OpenMODEL™ ASIC development process," said Scott Houghton, vice-president of marketing and business development at Open-Silicon. "This partnership has enabled us to deliver an excellent integration experience for our end customers."

"The expansion of the program membership demonstrates the success of the Synopsys IP OEM Partner Program and the value it provides to our members and their end-customers," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "By providing silicon-proven interface and analog IP solutions that are backed by an expert worldwide technical support team, Synopsys continues to help program members deliver high-quality designs that enable their customers to meet their aggressive time-to-market windows."

Availability

For more information on Synopsys' IP OEM members or to contact us for more information, visit: <http://www.synopsys.com/dw/oempartners.php>

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Product News

Autodesk Certifies 32-bit and 64-bit GibbsCAM 2010 for Autodesk Inventor 2011

14 April 2010

Gibbs and Associates, developer of GibbsCAM[®] software for programming CNC machine tools and a Cimatron company, announced that its latest release, GibbsCAM 2010, in both 32-bit and 64-bit versions, has been certified for [Autodesk Inventor](#) 2011 Digital Prototyping software under the Autodesk Inventor Certified Application Program. Certification is granted only after a product has been thoroughly tested by Autodesk to ensure it meets Autodesk's guidelines and testing criteria, including proof that the product is based on the Autodesk Inventor API (application programming interface). Certification demonstrates that the product is of high quality and up to date, and that it provides the highest level of interoperability with Autodesk Inventor software.

Autodesk Inventor is the only [Autodesk Manufacturing Industry Group](#) product with a certification program. Digital Prototyping with Autodesk Inventor software gives manufacturers the ability to digitally design, visualize and simulate how a product will work under real world conditions before it is built, which helps reduce cost and speed time to market in highly competitive industries.

“Autodesk Inventor users can rest assured that they will continue to have the high interoperability they have enjoyed between GibbsCAM and Autodesk Inventor for several years,” said Bill Gibbs, founder and president of Gibbs and Associates, “but now with both versions of GibbsCAM, 32-bit and 64-bit, which have been shipping since January. Our joint customers will be very pleased with the number and depth of features included in GibbsCAM 2010, as they begin to take advantage of the multiple usability and functional enhancements and new machining features that we included.”

GibbsCAM 2010, which has also gained the “Compatible with Windows 7” status from Microsoft, for both the 32-bit and 64-bit editions, includes additions to the 5-axis module, such as adaptive cuts, impeller roughing and tool retraction options; additions to Advanced 3D (Solids) Machining, including a new plunge roughing function for very fast material removal with inserted tools, and integration of the ultra high performance toolpath of VoluMill, for fast and efficient material removal with traditional end mills, plus machining strategy and tool entry-exit additions; additions to Multi-Task Machining's Sync Manager and the Wire EDM modules; and many ease-of-use and interface enhancements across the product suite.

“We are very pleased to have Gibbs and Associates renew Inventor certification for GibbsCAM,” said Amy Bunszel, senior director of Digital Engineering, Autodesk Manufacturing Industry Group. “GibbsCAM has supported Autodesk Inventor with direct reading of Inventor models for ten years, and the Gibbs dedication to interoperability and ease of use strongly supports our goals. We are proud to have companies like Gibbs and Associates as partners in delivering extensible, flexible and easy-to-use applications to our shared manufacturing customers.”

GibbsCAM reads native Autodesk Inventor models and assemblies directly for process planning and toolpath generation. The Inventor-to-GibbsCAM add-in also allows transferring Autodesk Inventor models and assemblies directly from Autodesk Inventor to GibbsCAM. Updates to part geometry and process parameters are readily accommodated by GibbsCAM's full associativity across geometry, processes and toolpaths. GibbsCAM's industry leading ease-of-use allows users to quickly take advantage of its powerful capabilities – from minimizing the time it takes to learn use of the software, to making manufacturing engineering tasks and production machining extremely intuitive and efficient.

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For more information about GibbsCAM, GibbsCAM interoperability with Autodesk Inventor and other Gibbs programming solutions, or to locate your local GibbsCAM Reseller, go to www.GibbsCAM.com, call 1-800-654-9399, or email info@GibbsCAM.com.

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Blue Ridge Numerics Releases CFdesign 2010 Spring Update

12 April 2010

[Blue Ridge Numerics, Inc.](#) announced that the CFdesign 2010 Spring Update has been released. This latest release is part of the quarterly product update release schedule and includes many product enhancements including Autodesk Inventor 2011 certification, PTC Pro/E Wildfire 5 support, SpaceClaim 2009+ support and an improved license sharing process.

Using CFdesign engineers are able to make insightful design decisions based on fluid flow and heat transfer simulations while continuing to work in their CAD environment. The simulations begin from within the CAD package using the design study manager, and the native model along with its associative information is opened within the CFdesign design study environment. The unique multi-scenario design study environment in CFdesign 2010 allows engineers to view multiple designs at one time and visually compare the different results. CFdesign enables engineers to obtain accurate simulation results early in the development process where the value of true upfront computational fluid dynamic (CFD) software is greatest.

CFdesign is released annually each fall followed by three scheduled quarterly updates. This consistent development process assures that CFdesign remains compatible and can take advantage of the latest release of each CAD tool, Microsoft Windows, and new hardware advancements.

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CoFluent Design joins the MathWorks Connections Program

15 April 2010

[CoFluent Design](#), a leading Electronic System Level (ESL) company that provides system-level modeling and simulation to accelerate innovation in embedded devices, announced it has joined The [MathWorks](#) Connections Program. MATLAB and Simulink algorithms can now run in the context of a system-level model and simulation with CoFluent Studio for early architecture exploration and performance estimation. This integration also enables validation of CoFluent Studio models against behavior captured in Simulink multi-domain system models.

[The MathWorks Connections Program](#) is available to third-party organizations that develop and distribute complementary, commercially available products and services based on MATLAB and Simulink. The MathWorks Connections Program partners help MathWorks users by providing industry or application-specific technology to fill their need for a complete solution. Partner products offer solutions that are seamlessly integrated with MathWorks products and ensure ongoing compatibility in conjunction with new MathWorks releases.

"MATLAB is the industry-standard environment for efficiently developing algorithms. CoFluent Studio models multicore/multiprocessor hardware/software systems -embedded devices or systems-on-chip- using UML or its simple graphical domain-specific language (DSL). Algorithms of computation blocks

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in CoFluent models can be left empty, described in ANSI C or C++, and now also defined with MATLAB," said Vincent Perrier, chief technical officer of CoFluent Design.

"CoFluent has developed an integration that enables engineers to reuse MATLAB and Simulink artifacts in CoFluent Studio models. Algorithmic components and behavioral system models developed in MATLAB or Simulink can be integrated with other functions and simulated in the context of a hardware/software system architecture in CoFluent Studio. This enables better performance estimation of the system application on a multithread/multicore platform," said Ken Karnofsky, MathWorks senior strategist for signal processing applications.

From simple graphics and ANSI C/C++ or MATLAB code, CoFluent Studio generates and runs a TLM SystemC model to simulate multithread embedded software running on multicore hardware with complex interconnect. CoFluent Studio offers full flexibility in architecture exploration through the mapping (or allocation) of system functions to platform execution resources for describing the complete hardware/software partitioning, and the variation of user-defined or predefined parameters (e.g., processor clock, bus bandwidth, algorithm execution time). CoFluent Studio allows real-time behavioral and performance estimation (load, power, footprint, cost) without the need for embedded software application code, firmware, or a precise description of the platform with models of each component/IP core. The generated SystemC can be used in further virtual platform simulations as a new IP behavioral model or software use case/workload model.

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Delcam's PartMaker receives Autodesk 2011 Certification

April 12 2010

Delcam has announced that the latest release of its PartMaker suite of CAM products for turn-mill centres and Swiss-type lathes has been certified for use with Autodesk's Inventor 2011 solid modelling design system by the Autodesk Inventor Certified Applications Program. To attain this certification, the PartMaker suite of products met certain criteria and demonstrated a high level interoperability with Autodesk Inventor 2011. The certification is granted by Autodesk only after the product has been approved after a rigorous testing process.

"Staying current and fully compatible with leading 3D CAD systems like Autodesk Inventor is a cornerstone of the ongoing software development effort at PartMaker," according to PartMaker Division President, Hanan Fishman. "Many PartMaker users use Autodesk Inventor for 3D design, while many more members of the PartMaker user community receive files from customers who use Autodesk Inventor. Maintaining this interoperability is a mission critical service we provide our users."

PartMaker users can directly import Autodesk Inventor files in their native *.IPT format. 2D files are imported via a *.DXF interface.

For further information on Delcam's PartMaker CAM software, please contact: -

Peter Dickin, Marketing Manager

Direct phone: 44 (0)121 683 1081

marketing@delcam.com

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Geometric Introduces CAMWorks® 2010

13 April 2010

[Geometric](#) announced the release of [CAMWorks® 2010](#), the latest version of its solids-based CNC programming solution.

This new release focuses on further strengthening the machining capabilities in Turning and Multi-axis milling. Numerous improvements have also been made to enable users to program parts faster and more easily.

In [Turning](#), the ability to define variable allowances along the feature provides more control, while reducing the time and complexity of programming. For Turning and Mill/turn machining involving irregular casting stock shapes, an STL file can now be used to represent the stock. While creating a more realistic simulation, this also simplifies the stock definition and results in a more efficient and predictable toolpath.

CAMWorks 2010 includes many improvements to [Multi-axis machining](#), which enable toolpath generation on increasingly complex part models. New controls have been added to simplify processing of impellers and blisks. Safely entering and retracting from the part has become more flexible and easier than previous versions.

Visualization enhancements have been made to feature, tooling, and stock display. These changes offer a more realistic representation of the machining environment to simplify programming and improve productivity.

In addition, the computation for machining time has been modified and updated to provide a more accurate estimate. This information can be used for costing and process planning purposes. Support for SQL Server Express has also been added to improve performance in large scale deployments of CAMWorks.

CAMWorks is a SolidWorks® certified Gold CAM product that provides machining capabilities integrated in SolidWorks. CAMWorks can run within SolidWorks, or as part of a cost effective CAD/CAM package that includes CAMWorks Solids, and integrated solid modeler. CAMWorks 2010 supports SolidWorks 2009 and 2010 running under 32- and 64-bit XP, Vista, and Windows 7.

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Intergraph® CADWorx® 2010 Now Compatible with AutoCAD® 2011

16 April 2010

Intergraph® CADWorx® 2010, the newest version of its plant design solution for smaller projects, is now compatible with AutoCAD 2011, the latest AutoCAD® release from Autodesk to offer users the improved capabilities of both software editions.

CADWorx 2010 builds on current capabilities and performance-enhancing features including a parametric pipe support modeler for user-defined intelligent pipe supports, an ISOGEN® version 9.3 update, new steel shapes, import and export capabilities for CIS/2 format files, and features that allow structural steel models to be created from project databases.

Other CADWorx 2010 features include, for Intergraph CADWorx Equipment, an ANSI flange look-up table and an insulation feature; for Intergraph CADWorx P&ID Professional, improved process and

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instrumentation diagramming capabilities, such as tools to selectively match database values from selected components, and capabilities to identify which values are to be inherited from process lines during component selection.

“The rapid compatibility assessment between the latest releases of CADWorx and AutoCAD underscores Intergraph’s complete commitment to supporting and further development of its recently acquired CADWorx, CAESAR II and other analysis products,” said Gerhard Sallinger, president, Intergraph Process, Power & Marine. “These solutions are an integral component of our enterprise engineering strategy to offer industry-leading design and analysis solutions throughout the asset lifecycle, including smaller projects, mega-projects, and operations and maintenance support.”

“We actively listen to our users and one thing that is very important in the marketplace is staying current with improvements in technology,” said Thomas J. Van Laan, PE, senior vice president, CADWorx and Analysis Solutions, Intergraph Process, Power & Marine. “CADWorx continues to deliver value for users by supporting the latest version of AutoCAD while also making plant design easier and more flexible than ever before.”

The Intergraph CADWorx Plant Design Suite for process plant design offers intelligent drawing-to-database connectivity, advanced levels of design automation and easy-to-use design tools. Because of these distinct advantages, EPC firms and owner operators in the process, power, water treatment, pharmaceutical, food and beverage and semiconductor industries have rapidly adopted it.

CADWorx also offers the industry’s first and only true bi-directional links between CAD and engineering analysis tools, linking CADWorx with Intergraph’s pipe stress analysis program, Intergraph CAESAR II and pressure vessel and exchanger analysis program Intergraph PV Elite™.

CADWorx Plant Design Suite will be featured at Intergraph 2010 (<http://www.intergraph2010.com>), Intergraph’s annual user conference. CADWorx will also be featured at CADWorx University 2010 Sept. 27-29 in Houston, Tex. (www.cadworxuniversity.com/2010).

Information on Intergraph’s CADWorx products and analysis solutions can be found at www.intergraph.com/cadworx and www.intergraph.com/ppm/analysis.

For large process, power, marine and offshore projects, Intergraph also offers SmartPlant® Enterprise, an integrated solutions suite that provides full design, construction, materials and engineering data management capabilities needed for the creation, safe operation and maintenance, and capital Project Life Cycle Management (cPLM).

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ITI TranscenData Releases Proficiency 8.2

12 April 2010

[ITI TranscenData](#) announced the release of Proficiency Collaboration Gateway 8.2, the latest edition of its Feature Based CAD Interoperability solution for manufacturers and their suppliers. Collaboration Gateway enables the transfer of complete design intelligence between major CAD systems which includes geometry, features, sketches, manufacturing info, metadata, assembly information and drawings in the conversion process.

Collaboration Gateway 8.2 introduces a new Drawing to PMI (Product Manufacturing Information) translation module, which extracts dimensions, tolerances, annotations, etc. from associative legacy

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drawings and converts them to the corresponding 3D PMI equivalents that are attached directly to the 3D model. The user can review and correct the exchanged PMI as necessary with an enhanced, state-of-the-art PMI Completion Wizard, which operates as a plug-in and tracks and validates any manual changes.

Highlights of the new release include:

Drawing to PMI Translator for CATIA V5

Allows automated conversion of associative Product Manufacturing Information from 2D drawings to 3D models

PMI Completion Wizard for CATIA V5

Allows for easy correction of converted 3D Product Manufacturing Information

Better Support for Enterprise Deployment

Dramatically improves the speed of data exchange by allowing concurrent tasks on multi-processor workstations and streamlines IT maintenance and support by enabling Collaboration Gateway Agents to operate as a Windows service

The new version includes many other automatic data exchange feature support enhancements for I-deas, NX, Pro/E, CATIA V4 and CATIA V5 as well as more robust Collaboration Gateway Server architecture. Additional enhancements include:

Support for NX Hole Package

Improved support for large assembly export from Pro/E

Improved performance of ditto/detail structure exchange from CATIA V4 to CATIA V5

Support for Oracle data base

"The latest developments in Collaboration Gateway 8.2 offer manufacturers a complete and straight forward solution for legacy data reuse when adopting the Model Based Definition (MBD) design paradigm," said Alex Tsechansky, General Manager of ITI Proficiency, Ltd. "The new Drawing to PMI and PMI Completion Wizard products have been developed in close cooperation with leading customers and proven in production to effectively streamline and shorten MBD implementation process," added Tsechansky.

The new product release is available immediately worldwide and current customers can easily upgrade to version 8.2.

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Kubotek Partners with Luxion to Integrate KeyShot for Photographic Image Creation

15 April 2010

Kubotek USA announces that Luxion's rendering application, [KeyShot™](#) can now be used directly from its [KeyCreator 3D direct modeling software](#). This integration is made possible by a partnership between the two companies; Kubotek will also be able to distribute KeyShot within the Americas. The agreement will further enhance the speed and flexibility for designers and engineers to not only create 3D models with KeyCreator, but to then use those models to create photographic images. Thanks to KeyShot, design data can be transferred quickly with the simple push of a button, and within minutes photographic images are ready for use in design, engineering, design review and marketing.

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KeyShot is an interactive ray-tracing and global illumination program developed by Luxion that breaks down the complexity of creating photographic images from 3D models. KeyShot is the new name for the successful HyperShot software, the first interactive ray-tracing and global illumination program. Combined with its ease of use, KeyShot gives anybody involved with 3D data the ability to create photographic images in a matter of minutes.

Kubotek USA has developed a plug-in for KeyShot which allows for integration of the two technologies. By combining the flexible, direct modeling 3D CAD technology of KeyCreator with such a simple and intuitive, real-time rendering software, Kubotek customers will be able to bring their CAD data to life quickly.

From now until June 30, 2010, [Kubotek is offering 15% off the price of KeyShot](#). Call or visit [Kubotek USA](#) on the web for additional information on this offer.

To learn more about KeyShot visit <http://www.keyshot.com/>.

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LEDAS Adds Movie Recording and Localization to RhinoAssembly

16 April 2010

LEDAS Ltd. announced version 1.1 of its RhinoAssembly plug-in module for Rhinoceros 3D modeling software from Robert McNeel and Associates. RhinoAssembly is the ultimate tool for assembly design and kinematic simulation of mechanisms composed of rigid parts directly in the familiar Rhinoceros 3D design environment.

RhinoAssembly 1.1 introduces several important features: the ability to record movies of animated 3D mechanisms, support for seven languages, integration with several Rhino commands, and general improvements in stability and performance.

“More than 5,000 Rhinoceros users worldwide have downloaded previous versions of our RhinoAssembly plug-in,” said Dmitry Ushakov, Director of Product Management, LEDAS Ltd. “We receive constant feedback from them, which allows us to improve our product based on user requests.”

New Features in RhinoAssembly v.1.1

Version 1.1 adds the ability to record movies of animated 3D mechanisms. Any built-in or plug-in rendering module can be used to generate a sequence of image files corresponding to key frames of the animated mechanism. The images can be converted to a movie with one of many free or commercial software packages available on the market. LEDAS provides a detailed, step-by-step tutorial that describes how to create a simple 3D cartoon from scratch. The tutorial is available at www.DrivingDimensions.com/Rhino/tutorials.php.

Version 1.1 adds several other enhancements to RhinoAssembly. Geometric constraints and driving dimensions can now be copied and pasted. They also can be imported into any Rhino drawing from a 3DM file. The plug-in now supports Rhino’s built-in history (the Record History mode).

RhinoAssembly v1.1 plug-in is now available in the Czech, French, German, Italian, Japanese, and Spanish languages, in addition to the original English. The international versions include translations of the installation wizard, user interface elements, system messages, and all help files. The translations were performed by professional translators having rich user experiences with Rhinoceros.

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LEDAS invites Rhinoceros users to try out another plug-in called RhinoDirect, which is currently in beta. The new plug-in differs from RhinoAssembly in that it allows Rhinoceros to work with non-rigid solid bodies by modifying them parametrically using geometric constraints and driving dimensions. Version 0.2 of the RhinoDirect beta is now available as a free download from www.DrivingDimensions.com/labs.php.

Availability and Price

A 30-day evaluation version of the RhinoAssembly plug-in can be downloaded at no charge from www.DrivingDimensions.com/Rhino, where visitors will also find detailed on-line help, written and video tutorials, and a set of sample drawings.

Commercial licenses of RhinoAssembly v1.1 may be purchased for US\$395 from the Share-it! online store, accessible from www.DrivingDimensions.com/store/Rhino. All customers who bought licenses for version 1.0 may upgrade to v1.1 free of charge.

About RhinoAssembly, Driving Dimensions and LGS 3D

RhinoAssembly plug-in v1.1 is compatible with Rhino 4.0 SR5B and above, and has been thoroughly tested on the 32-bit versions Windows XP, Vista, and 7.

RhinoAssembly v1.1 is based on the latest version of LGS 3D, a geometric constraint solver integrated into a dozen commercial CAD packages. The latest release, version 3.0 of LGS 3D, contains many improvements in stability and performance, which are also available to Rhinoceros users.

Both RhinoAssembly and RhinoDirect belong to the LEDAS Driving Dimensions product line. Driving Dimensions are end-user applications developed by LEDAS as plug-ins for popular 2D and 3D modeling systems. They provide advanced parametrics to programs like SketchUp and Rhinoceros. Driving Dimensions are based on the LEDAS' Variational Direct Modeling technology for history-free model editing model that preserves design intent. It is expressed by explicit and implicit geometric constraints and driving dimensions (linear, angular, radial).

LGS 3D geometric constraint solver, technology that LEDAS has developed since 2001, is available for licensing to all CAD developers. More information about LGS 3D can be found at www.ledas.com/products/lgs3d, while Driving Dimensions portfolio of end-user applications is presented in details at www.DrivingDimensions.com.

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Mentor Graphics Extends DO-254 Platform Offering with Enhanced HDL Coding Standards

13 April 2010

Mentor Graphics Corp. announced the availability of the HDL Designer™ tool's enhanced set of HDL coding checks for DO-254 compliance. This is the latest addition to Mentor's platform of tools that enable a requirements-driven flow from development through verification for safety-critical design.

RTCA/DO-254 "Design Assurance Guidance for Airborne Electronic Hardware" is a standard that is currently being enforced by the Federal Aviation Administration (FAA), European Aviation Safety Agency (EASA), and other worldwide aviation certification agencies to ensure the safety of in-flight hardware. Compliance to DO-254 can be very costly, and as more programs have to comply, more companies are looking for ways to reduce the cost of compliance. One way to do this is to use tools to automate or facilitate key aspects of the process.

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Recent policy has mandated that DO-254 programs have a document set of HDL coding standards as well as a mechanism to review code against these standards. DO-254 does not specify what the coding standards should be so each company must determine this for themselves. The DO-254 rule set included in the HDL Designer tool was developed by input from numerous companies developing safety-critical designs, and an initiative led by Mentor in the DO-254 User's Group to create a foundational set of HDL coding checks that could be used in DO-254 programs.

“Saab has been using the automated HDL code checking capability in HDL Designer for our aviation projects with great success for years,” said Hakan Forsberg, Specialist in Safety-Critical Electronics and Computers at Saab in Jonkoping. “Especially with the recent enhancements, we've found that automating our safety-critical design rules with HDL Designer has allowed us to save a tremendous amount of time by complementing our manual reviews and has also helped us improve our code quality.”

“Many companies are struggling to develop a good set of HDL coding standards to comply with the recently-defined policy requirements,” said Tammy Reeve, President of Patmos Engineering Services, DER and US DO-254 User Group Chair. “Mentor's effort in the DO-254 User Group to help define a foundational set of HDL coding standards for DO-254 programs is very valuable for the aviation industry.”

“Thales Airborne Computer Solutions uses Mentor tools in its DO-254 standard flow. We have found great value in using the code checker in HDL Designer to automate the checking of our HDL coding standards,” said Alain Giraudat, FPGA Team Manager and Hardware Methodology Manager. “This tool provides an efficient solution to check our HDL coding rules while avoiding a huge and unacceptable amount of independent verification work required to be compliant with this aspect of DO-254.”

“Mentor has been involved and investing in solutions to drive down the cost of DO-254 compliance for several years,” said Michelle Lange, DO-254 Program Manager at Mentor Graphics. “Our customers have been instrumental in helping us define and implement new capabilities in our DO-254 platform. Mentor's broad range of industry-leading technologies allows us to support this market like no other vendor can, and we continue to strengthen our offering.”

About Mentor's DO-254 Platform

[Mentor](#)'s platform of tools supporting DO-254 compliance for FPGAs and ASICs includes: the ReqTracer™ tool, which manages and traces device requirements through development and verification activities; the Vista™ tool, which delivers a platform for conceptual design; the HDL Designer tool, which provides the environment for HDL development, code checking, code visualizations, review assistance, and structured project guidance; the ModelSim® tool, and the more advanced verification capabilities offered by the Questa® platform, which support requirements-based simulation of the HDL and netlist models; the 0-In® CDC tool for clock-domain crossing analysis; Formal methods tools, the 0-In Formal Verification tool for formal model checking, and the FormalPro™ tool for logical equivalency checking, to augment simulation; and the Precision® Synthesis tool, which offers FPGA vendor-independent synthesis, integration with place and route tools, and special features to ensure accurate and safer netlist results. Mentor's PCB and system level tools also provide a requirements-driven flow DO-254 compliance at higher levels of design. Mentor's expansive DO-254 offering is unique in the industry. For more information, visit <http://www.mentor.com/go/do-254>.

About the DO-254 User Group

The DO-254 User Group is an industry representative entity, created to share experiences in addressing

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the hardware aspects of certification. Initially focused on climbing the learning curve, the Group has now reached a high level of maturity and is working on developing best practices and proposing industry positions to Certification Authorities related to a number of important topics. SEH activities, IP development, COTS usage, verification coverage, best practices for HDL coding, and SoC development are examples of the current subjects being addressed by the Group.

The EU group is chaired by Aeroconseil, and participants include Actel, Aeroconseil, Airbus Operations, Airbus Military, Altera, ARM, Barco, EADS Security and Defense, IoxOS, Latecoere, Mentor Graphics, MTU Engines, Rockwell Collins, SystiQ, Thales Avionics, Thales Communications, TTTech, and Xilinx.

The US group is chaired by Patmos Engineering Services, and participants include Actel, Altera, Astronautics, BAE Systems, Boeing, ChipX, ENEA, FAA Consultants, Hamilton Sundstrand, Honeywell, Mentor Graphics, Rockwell Collins, Rolls Royce, Sagem, and Xilinx. Learn more at <http://www.do254.com>.

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Missler Software Releases TopSolid'Progress 2010

13 April 2010

[Missler Software](#) has recently announced the release of the latest version of TopSolid'Progress, its CAD/CAM solution for progressive die and press tool designers. TopSolid'Progress provides all the required functions to help designers compute sheet metal part blanks, design the strip layout and dies far faster than with a standard CAD software. The software manages all cutting, folding and forming stages of the sheet metal, creation of the die set, addition of standard components together with their machining processes, creation of punches, non-standard dies and draft creation.

TopSolid'Progress 2010 allows tool makers to significantly increase their productivity by offering a collaborative work option, improved strip creation and many improvements for punches and dies, components and die bases.

Collaborative work

Once the strip has been created and the die bases installed the new collaborative mode option in TopSolid'Progress 2010 allows several designers to work on individual (but dependant) files of a master file. It is then possible, at any moment, to synchronise changes made in individual files towards the master file. This "on-demand" synchronisation happens without additional intervention from the designers. Several designers can, thereby, work on different parts of the tool at the same time: for example, one person working on the cutting parts while another works on the assembly. The new collaborative work option in TopSolid'Progress 2010 enables important times gains in the design of tools.

Improved strip creation

Strip creation is an essential stage in the design of a progressive tool and TopSolid'Progress 2010 offers many new developments to optimize this stage. The blank creation of complex transition zones between unbendable parts is now greatly simplified. This enables easier treatment of toric bends or tie-in zones in connector parts. Again in relation to the connector technology market, the design of strips containing several dozen stations (including many stations without operations) is now much faster thanks to a new strip working mode. The new TopSolid'Progress version also proposes the creation of intermediary

bending stages to detect collisions.

Punches and dies

TopSolid'Progress 2010 provides a significant improvement in the management of clearances values associated with the insertion of punches into plates. These clearances can be defined with default values for each plate and are automatically applied during the insertion process of the punches.

Punch creation functions now include an option to define ground shoulders and the integration of the creation of a heel in cutting punches.

Components

The use of standard components has not been neglected either with the arrival of a new assistant to simultaneously insert screws and pins to manage standard assembly configurations for plates, punches and dies. As always when using TopSolid, such components are dimensioned depending on the assembly context and are automatically updated if the dimensions of the tool change.

A modification report is made available to the user if the tool dimensions change. This report details the list of components whose dimensions have been recalculated following on from an update of the tool.

Miscellaneous

Concerning die base design it is now possible to manage different stripping strokes for different stripping set modules.

Draft creation has been improved with a new function which enables information notes to be created for different posts. The content as well as the organisation of these notes can be customised by the user and is easy to modify.

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MSC.Software Releases Enterprise Mvision 2010

14 April 2010

MSC.Software announced that MSC [Enterprise Mvision 2010](#) is available. This latest release delivers significant usability, productivity and security improvements that enable engineering enterprises to better access materials data via the Web for computational modeling and analysis.

[Enterprise Mvision](#) provides designers and analysts with web-based access to their company's "gold source" engineering materials data in addition to a host of commercially available databases. Enterprise Mvision facilitates fast and efficient search and comparison of materials design options, push-button professional-quality reporting, and traceable export of materials data directly into CAE solvers. Enterprise Mvision installs easily with a selection of fully functional "out-of-the-box" interfaces, yet has almost limitless capacity for on-site customization.

Customer-driven Usability Improvements

Enterprise Mvision 2010 delivers customer-driven customizations and enhancements that improve the robustness and user experience. It boasts enhancements to the "look-and-feel" of the user interfaces, improved handling of large strings and units conversion in complex queries and enhancements to the PDF Report Generator that enable auto-formatting of custom headers and footers for reports with multiple materials.

Improved Productivity through Integration with CAE

Key to the success of Enterprise Mvision has been its integration framework for the provision of materials data to CAD and CAE. Enterprise Mvision serves materials data via CAE-integrated clients to upwards of 6000 end-users at some of its larger installations, while enforcing traceability back to approved data sets. For each user, the time required to populate a complex solver is reduced from hours to seconds, offering the potential for man-years of savings per year. Enhancements to the 2010 release enable the use of the Integrated Clients in high-security programs that exist behind firewalls.

Ensuring Global Data Security

Known for its robust security features, the Enterprise Mvision 2010 release includes features that enhance the dynamic query-based security system that literally enforces security changes “on-the-fly”. A user whose security credentials have changed can literally be expelled from a user session without affecting other users who are logged into the system.

“Fast and secure access to comprehensive materials data is critical to performing accurate engineering simulations,” said Sanjay Choudhry, VP of Product & Release Management at MSC.Software. “This release of Enterprise Mvision gives analysts better visibility into materials data with improved query access, enterprise traceability and tighter security options for large enterprises deploying materials data across expanded engineering groups.”

For more information about Enterprise Mvision 2010, listen to the *On-Demand What’s New webinar* at <http://www.mscsoftware.com/events/Webcasts/mvision/mvision.html>

Enterprise Mvision has been integrated with a host of MSC and 3rd-party solvers. Contact your MSC representative to inquire regarding its integration with your favorite application.

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New Partnership Between Missler Software and SimCon

13 April 2010

[Missler Software](#) and SimCon announced a technical and commercial partnership between the 2 companies who work respectively in the design and manufacture of molds and plastic simulation. Using simulation technology in the early stages of part and mold design allows companies to evaluate the manufacturability of their designs so they can achieve the highest quality at the lowest cost in the shortest manufacturing times.

The direct link with the CadMould software allows TopSolid customers to directly benefit from the advantages of plastic simulation. This new partnership offers TopSolid’Mold users an optimised tool for the design of plastic parts and can be used as a first step in determining the feasibility, quality and cost of designing their parts and injection molds.

According to Marc Choquin, French Sales Director: “Our collaboration with SimCon follows on from customer needs to reduce design times and improve the quality of their mold designs by using simulation right across their design processes. It is logical for Missler Software to work closely with SimCon, a leading simulation provider, to offer our customers the most modern and optimised tools on the market for mold design.”

Paul Filz from SimCon goes on to say that: “SimCon is very happy to work closely with Missler Software and its customers on this project. Mold makers now have optimised mold design tools at their

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disposal with TopSolid®Mold and Cadmould 3D-F enabling them to gain in performance and quality, differentiate themselves from certain “low-cost” competitors and thereby develop an essential competitive advantage in today’s highly competitive tool making market. We are also very happy to work with Missler Software who is undoubtedly a leading CAD/CAM developer in Germany and throughout the world.”

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New Software from Geomagic: Simpler, More Powerful and Integrated

14 April 2010

Geomagic announced new versions of its flagship 3D software for reverse engineering and quality inspection: Geomagic Studio 12 and Geomagic Qualify 12. The new releases bring ease of use to the market for 3D scanning software, along with new features that improve results and save time.

Geomagic Studio 12 is the only reverse engineering software to directly integrate with all leading 3D mechanical CAD packages. Geomagic Qualify 12 includes an entirely new report generation and publishing engine that enables colorized and annotated 3D models to be embedded directly in PDF.

Both applications now offer the familiar ribbon-style interface pioneered by Microsoft in Office 2007.

“As 3D scanning proliferates in industrial, medical and academic markets, ease of use has become crucial to adoption,” says Karl Matthews, vice president of product management at Geomagic. “The state-of-the-art ribbon interface in Geomagic Studio and Qualify 12 not only improves the appearance of the software, it makes it more intuitive to learn and use.”

Geomagic Studio and Qualify now support Windows 7 and have been optimized to run up to 40 percent faster. A new start page provides fast and convenient access to files, frequently used tasks, and helpful resources such as a technical support knowledge base and sample data.

Geomagic supports the industry’s widest range of scanners and input devices, representing more than 80 percent of all digitizing devices sold, with new devices and integrations added continually.

Parametric Exchange – the exclusive Geomagic feature that enables parametric models created in Geomagic Studio to be transferred directly into 3D CAD software – has been significantly upgraded and expanded to directly support all leading mechanical CAD packages ([Autodesk Inventor](#), [CATIA](#), [Pro/ENGINEER](#), [Siemens NX](#), and [SolidWorks](#)). New features in Geomagic Studio 12 for reverse engineering include:

- Automatic surface and solid trimming via Parametric Exchange, leading to faster creation of full-fidelity CAD models.

- Enhanced Autosurface capabilities that reliably convert polygon meshes into high-quality, exact NURBS surfaces with one click.

- More flexible workflows to support faster design iterations.

Point-cloud handling and polygon mesh processing, essential steps in reverse engineering workflows, have also been upgraded in Geomagic Studio 12, including a fast and intuitive hole-filling feature and improved automatic “healing” of polygon meshes.

Geomagic Qualify, well-known in the digital inspection market for its ease of use, has extended its advantages in that area in the latest release. In addition to the ribbon interface, usability enhancements

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include *quick feature creation* to speed up the creation of inspection plans, and new algorithms for aligning test models with reference models.

The most groundbreaking new feature in Geomagic Qualify is the ability to embed colorized and annotated 3D models directly in a PDF report. This new feature enables a quality inspector, for example, to use Geomagic Qualify to create a PDF report for a design engineer who, using only the free Adobe Reader, can rotate the model inside the PDF, zoom to a highlighted area, or select a predefined view.

Also new in Geomagic Qualify 12 is a WYSIWYG report template designer that makes simple customization easy, but has the power to support the most complex customization needs.

Coming in late May

Geomagic Studio and Qualify 12 are scheduled for release in late May. They will ship with both 32- and 64-bit editions on the CD, and support English, German, French, Italian, Spanish, Chinese and Japanese. Visit 12.geomagic.com for a sneak preview and to sign up for a free trial version of Geomagic Studio 12 and Geomagic Qualify 12.

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Open Text Introduces Media Management 7 with New User Interface, Powerful Process Automation Capabilities

April 12 2009

Open Text Corporation today announced Open Text Media Management 7, a major upgrade to its industry leading digital asset management solution, including a completely new user interface that makes finding, accessing and managing large volumes of digital media assets fast and easy. Media Management 7 also delivers new process automation capabilities designed to help companies optimize media operations, improve business agility and increase control over digital media content.

With Media Management 7, Open Text is delivering a platform designed for the digital media era, where the technology to create and consume digital media - for example on tablets or mobile phones - far exceeds the ability of organizations to manage, control, and efficiently distribute the rich media assets involved. The new solution allows an entire organization to produce, use, and publish digital media and automate the associated processes. In turn, this lowers costs and puts the media to use more profitably, with reduced liability stemming from inappropriate use or distribution of content.

As digital media has become pervasive, the need for media management is expanding from roots in the media and entertainment industry to encompass many additional market segments including marketing organizations, publishing, museums and historical archives, manufacturing and distribution as well as industries that require storage of media evidence, such as insurance, legal and healthcare. Open Text Chief Marketing Officer James Latham and Senior Vice President of Enterprise 2.0 Technologies Scott Bowen discuss applications for media management in an ECM News Podcast Open Text posted today: <http://tinyurl.com/y3krtzl>.

Open Text will further enhance the user experience in Media Management 7 by integrating content analytics technology from recently acquired Nstein Technologies. Using patented technology, Nstein's software creates a "semantic fingerprint" for content to unlock its inherent value, making it more findable, visible, understandable, organized and analysis-ready.

To meet the needs of global enterprises, Media Management 7 delivers integration with the Open Text

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ECM Suite and leverages shared services, the defined layer of integration for all ECM Suite offerings. This allows media creators and publishers in the enterprise to take advantage of workflow and lifecycle management capabilities of the ECM Suite in a simple and intuitive fashion. A key advantage of this integration is that it allows companies to customize and evolve their processes without requiring database or code changes. It also delivers integration with Open Text's industry leading Web content management solutions including the recently announced Vignette Content Management 8 as well as the ability for users to work with digital media from mobile devices using Open Text Everywhere.

"The impact of digital media is being felt in all walks of life and business. With this explosion in rich media comes the need for better tools for managing it all," said Guy Hellier Vice President of Digital Media, Open Text. "With Media Management 7 we are changing the game by delivering new levels of usability along with the ability to seamlessly integrate digital media into operations and to orchestrate how media is created, retrieved, reused and published. This is particularly important to deliver engaging and consistent user experience via any channel, including web and mobile experience."

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Right Hemisphere and Flatirons Solutions Bring Advanced 3D Capabilities to DITA-Based Technical Publishing

13 April 2010

Right Hemisphere® announced a new solution for incorporating 3D content into DITA-based technical documentation. The solution enables users to directly repurpose 3D engineering assets for use in technical documents. With this solution, organizations may insert 3D content into their documents either natively, or as links from 2D objects. This direct access to lightweight 3D engineering assets enables technical publishing teams to lower their costs, be more accurate in product depictions, and complete their document deliverables more quickly thanks to reuse of existing content.

"There's no denying the power of 3D as a communications tool," said Right Hemisphere CEO Michael Lynch. "Using a combination of rich 3D media and smart XML-based authoring makes technical content more usable and more effective for end users. Including more 3D in technical documentation also helps with some of the globalization challenges manufacturers face today."

The new 3D technical publishing offering from Flatirons Solutions and Right Hemisphere leverages the DITA (Darwin Information Typing Architecture) standard. DITA is a modular XML-based architecture for authoring, describing, and delivering information through reusable "chunks" of content. The new 3D-enabled DITA offering, announced today is built on top of the EMC Documentum® content management platform and integrates the Flatirons DITA Framework with Right Hemisphere's Visual Enterprise software. The Flatirons DITA Framework is a set of powerful capabilities that allow technical publishing teams to adopt flexible, component-based content authoring processes that are increasingly critical to the timely delivery of multi-channel content. Flatirons DITA Framework modules include content authoring, workflow, rich media management, and content globalization and localization support.

Right Hemisphere's Visual Enterprise software brings 3D authoring, importing, exporting, sharing and engineering asset management functionality to this joint technical publishing offering. Through integration with a wide array of enterprise systems, users of this integrated technical publishing offering enjoy direct access to lightweight representations of engineering models and related product information. This integration and content sharing helps ensure that content creators don't waste time re-

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creating an image that already exists in product engineering designs.

The combination of technologies from Right Hemisphere, Flatirons and EMC form a comprehensive, state-of-the-art solution for publishers of technical content. As Flatirons Solutions Chief Technical Officer Eric Severson noted, “Technical publishing teams have long faced the challenge of accurately conveying information from product developers. The ability to access 3D content from product design teams and leverage it in a wide array of publication output formats is incredibly powerful, and will be a tremendous benefit to our technical publishing customers.”

Right Hemisphere and Flatirons Solutions will demonstrate the capabilities of their new joint offering for the first time April 19-21 at the Content Management Strategies/DITA North America 2010 conference at the Hyatt Regency in Santa Clara, CA. For more information on Right Hemisphere or Flatirons Solutions and their products and services, please visit their respective Web sites at <http://www.righthemisphere.com> and <http://www.flatironssolutions.com>.

About Flatirons Solutions

Flatirons Solutions provides expert consulting, systems integration, systems and software engineering, and program management services to commercial and government clients. Flatirons Solutions is a leading content solutions provider specializing in XML-based publishing, digital asset management, and business process automation. Flatirons Solutions also engineers mission-critical systems for government agencies. Headquartered in Boulder, Colorado, and with offices in Washington, DC and Texas, Flatirons Solutions delivers its services to clients worldwide. For more information visit Flatirons Solutions on the web at www.FlatironsSolutions.com.

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SmartCAM V17 Features New Z-Level Roughing, Improved Solid Pocket Milling

6 April 2010

SmartCAMenc has announced the field test release of SmartCAM® V17.0. Version 17.0 delivers advanced milling improvements including a new Z-level roughing process and enhancements to the solid pocketing process, and substantial core enhancements to the entire SmartCAM suite of computer-aided manufacturing (CAM) system software, including web-format report generation, improvements to graphics printing, and new capabilities to store the mask and visibility state with named views.

The SmartCAM product family consists of applications for Computer-Numerical Control (CNC) milling, turning, fabrication and wire EDM. Version 17.0 continues the solids-machining theme found in the many recent releases, and provides significant benefits for milling users working with both prismatic and freeform solid models.

The new Z-Level Rough process incorporates the many features found in the Solid Pocket process introduced in v16, such as critical depth processing, multiple start points, and more, and extends these capabilities to allow roughing strategies to be applied to virtually any part configuration consisting of cores, cavity, and open pockets and profiles. The new process is found in SmartCAM Advanced Milling, Advanced Turning and FreeForm Machining applications.

The roughing regions are determined based on the selected part features and a specified stock. Roughing strategies can be automatically switched, for example applying inside out spiral strategies to cavity regions, and outside in to cores. Additionally, open profile regions can be machined with unidirectional or bidirectional profiling passes. These new capabilities save time and reduce job complexity by

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allowing one machining process to efficiently machine many varying features.

“SmartCAM version 17 yet again provides a giant leap forward in toolpath generation and the use of surface and solid data,” said Douglas Oliver, SmartCAMcnc’s Senior Product Manager. “We are confident the additional core improvements will be appreciated by all users, and will provide significant time savings every day.”

A new HTML-based report generator added to all SmartCAM applications greatly improves the flexibility and quality of job and shop floor documentation. The new web report generator allows a single report to include both tool and process step information along with job header and part graphic images, and is an example of one of many areas of improvement found in the entire SmartCAM product line.

The completely customizable report format framework provides the user to ability to tailor their reports to fit their exact needs, for example adding tool and model images or other pertinent detail. Enhancements to graphic printing provide high quality high resolution printouts that can be scaled directly to the current system units. A new print preview allows print settings to be verified before generating the printout.

The existing Named View capabilities have been extended to allow users to specify exactly which view parameters are to be captured with the named view. View orientation, size and position, mask and visibility states can all be specified and saved independently. These capabilities allow users to toggle between various views that would have required the execution of many commands to replicate in previous versions. Additionally predefined named views can now be referenced when generating job reports, allowing corresponding images to be captured and embedded in the report automatically.

“We’re very happy with these new core improvements,” Douglas went on to say. “The new Named View capabilities are an enormous time saver for all SmartCAM users, allowing complex viewing states to be recalled with just a single click of the mouse. And the new customization options in our report generation make it easy to create complete reports with graphics, and simple to distribute them via the web. These core improvements are some of our best yet.”

Other changes to the entire SmartCAM product suite include:

- Sort Step List/Report by Tool Number in Job Operations Planner and Step Report
- Layer Transparency can now be set for each layer to be used when displaying surface or solid facet elements
- File Export as PNG graphics

About SmartCAM & SmartCAMcnc

The SmartCAM family of computer-aided manufacturing software provides toolpath modeling and CNC programming for prismatic production work to complex molds, dies, and prototypes. SmartCAMcnc provides affordable maintenance contracts, updates, upgrades and technical support for all SmartCAM users, regardless of version. All SmartCAM products include updated data translators and NC editing software from Predator Software, Inc (<http://www.predator-software.com>).

To monitor further developments please visit <http://www.SmartCAMcnc.com>.



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TSMC Expands Cadence Tool Support in Integrated Signoff Flow by Adding Synthesis, Place and Route, and RC

April 12 2010

Cadence Design Systems, Inc. announced that it increases tool support in TSMC's 65-nanometer Integrated Signoff Flow by introducing RTL Compiler, [EDI System](#), QRC Extraction and Encounter Timing System for Signal Integrity into it. By following fully validated, scripted and documented procedures within TSMC's Integrated Signoff Flow, mutual customers can now establish an end-to-end RTL-to-GDSII flow with predictable, shorter time-to-volume for their 65-nanometer designs.

Global Unichip, a member of TSMC's Open Innovation Platform eco-system, partnered with TSMC and Cadence in the beta test of Integrated Signoff Flow. "Starting from 2008, we have successfully taped out over 20 65-nanometer projects annually using Cadence-based flow," said CC Hsieh, vice president of Design Service at Global Unichip. "The collaboration with TSMC and Cadence in Integrated Signoff Flow is a great opportunity to further enhance our design flow efficiency and a critical step to bring more success to our customers."

"To be successful in implementing their low-power, high-performance SOC designs, our mutual customers need a proven best-in-class methodology that allows them to get their design ready for high volume production," said ST Juang, senior director of design infrastructure marketing at TSMC. "In line with this, we have worked closely with Cadence to expand EDA tool support in TSMC Integrated Signoff Flow by integrating their implementation and RC extraction capabilities into our flow."

"Cadence and TSMC have been working closely to ensure that designers achieve their design goals as fast as possible when using our solutions," said Dr. Chi-Ping Hsu, senior vice president of Implementation R&D. "By qualifying EDI System and RTL Compiler, our customers can now get the best of both worlds: large-scale, high-performance physical synthesis and design closure capabilities in EDI System and RTL compiler, backed by the world-class manufacturing that results from using TSMC's Integrated Signoff Flow."

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