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CIMdata News

CIMdata Announces Three Key Promotions

29 January 2013

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the promotions of key Company personnel. In addition to recognizing service excellence within the firm, the promotions are designed to drive and support CIMdata's strategic business direction and growth.

Stan Przybylinski has been promoted to Vice President of Research after rejoining CIMdata in 2010 as Director of Research. Mr. Przybylinski was previously with CIMdata as a Senior Consultant from 2000 to 2003. Mr. Przybylinski's promotion recognizes the increased importance of, and his growing role in, the expansion of CIMdata's global research services. Mr. Przybylinski has over 30 years experience in the development of business-enabling IT solutions for research, engineering, and manufacturing organizations worldwide. He has worked in R&D, marketing, and communications with both Fortune 100 companies and smaller organizations.

Cheryl Peck has been promoted to Director of Marketing for CIMdata. She joined the firm in May 2011, with the acquisition of Collaborative Product Development Associates (CPDA). Ms. Peck had been with CPDA and its predecessor, D.H. Brown Associates, since 1997. Her new position significantly expands and acknowledges her strategic role at CIMdata. Ms. Peck is an instrumental resource in coordinating the PLM Road Map conference, CIMdata Knowledge Councils and external events, and internal organizational activities. In her new and expanded role, Ms. Peck will be charged with focusing and enhancing CIMdata's face to the global PLM Market.

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Richard McFall, who joined CIMdata in 2010, has been promoted to Director, Global PLM Community. His promotion is designed to recognize his significant contribution and focus on building, supporting, and enhancing CIMdata's global PLM Community program. Mr. McFall brings to CIMdata more than 20 years of experience across numerous PLM technology domains through a progression of work as an engineer, support analyst, application consultant, account representative, sales manager, channel partner manager, and international business development manager. In his new role, Mr. McFall will also continue to lead CIMdata's PLM Channel Consulting Practice.

Commenting on these promotions, Mr. Peter Bilello, CIMdata's President said, "I am excited to announce these promotions. These promotions recognize each individual's extensive and proven expertise in their areas of responsibility. These individuals represent CIMdata's strength and future strategic direction as the leading, global PLM strategic management consulting and research firm."

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM-enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA, Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands, Tel: +31 (0) 495.533.666.

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SolidWorks World 2013: a CIMdata Commentary

29 January 2013

Key takeaways:

- *SolidWorks introduces My.SolidWorks, a free service that allows users to aggregate information drawn from the Internet.*
- *SolidWorks offers more information on a new product, SolidWorks Mechanical Conceptual, scheduled for release in September/October 2013.*

SolidWorks Corporation held their fifteenth annual user conference, SolidWorks World 2013, over four

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days, January 20-23, 2013 at the Florida Disney World Swan and Dolphin Resort. Forty-five hundred attendees, including end users, resellers, third-party application vendors and SolidWorks employees, were welcomed by Bertrand Sicot, SolidWorks CEO. He emphasized the conference's theme "Design Without Limits" by reminding the audience that the current shipping version, SolidWorks 2013, supports backward compatibility. SolidWorks 2013 parts can be activated in SolidWorks 2012. Mr. Sicot also proudly noted that in December 2012 the company sold their two millionth copy of the software through their sales channel that now numbers 407 resellers worldwide.

Bernard Charles, CEO and President of parent company Dassault Systèmes, also welcomed attendees and emphasized the Dassault Systèmes' vision of the future based on their currently evolving 3DEXperience platform that "provides business and people with virtual universes to imagine sustainable innovations." They announced a new free service called My.SolidWorks.com that allows users to "aggregate company and community knowledge. [My.SolidWorks](#) pulls relevant information (forum discussions, blog posts, YouTube, Twitter, help files and more) into a single view" and can be customized so that a user will only see the information most relevant to them. The service is currently in public beta.

Fielder Hiss, Vice President Product Management, took the stage to introduce SolidWorks Mechanical Conceptual, a new conceptual modeling product targeted for release in the September/October 2013 timeframe. While providing only a limited description of the new product, Mr. Hiss did highlight the new application by showing an example of a mechanical structure of linkages and motion analysis. SolidWorks Mechanical Conceptual is being built atop Dassault Systèmes' 3DEXperience platform and is the latest in a two year journey for the company that started in 2011 with the initial possibility that the flagship SolidWorks product would change its geometric kernel from Parasolid to the CATIA V5 Modeler, now called the CGM Modeler. SolidWorks moved away from that direction last year but would only say there would be a complementary additional product for doing conceptual design. Today the message is that "motion" will be core to the new product. Expect, however, some level of a cloud implementation. The company did announce that the real customer beta would begin in May likely to work out any issues that arise, especially in transferring data from Mechanical Conceptual to SolidWorks.

After the first day's plenary session, the SolidWorks team embarked on an impressive offering of over 150 technical sessions for their users, spread out over three days. In addition the event included a third-party vendor showcase, Partner Pavilion, with over 100 diverse hardware and software tools being demonstrated for the attendees.

True to past user conferences, SolidWorks once again dazzled the audience on the second day with addresses from two keynote speakers. First, Professor Vijay Kumar from the School of Engineering and Applied Sciences of Pennsylvania University presented his team's work on swarming robots. At the General Robotics, Automation, Sensing and Perception (GRASP) Lab they build flying quadrotors, small, agile robots that swarm, sense each other, and form ad hoc teams for construction, surveying disasters and more. (see <https://www.youtube.com/watch?v=K1HhK5yFuRo>). Then in what seemed an impossible task to top Professor Kumar's presentation, Elias Knubben, Head of Corporate Bionic Project at Festo in Germany took the stage. Festo (www.festo.com) is a family owned supplier of

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pneumatic and electrical automation technologies. Mr. Knubben ended up bringing the audience to their feet with a demonstration of the SmartBird robot his team designed and built. As the mechanical bird gracefully flew over the huge conference audience, he spoke of their strategy to find in nature examples of solutions to complex engineering problems. (see <https://www.youtube.com/watch?v=nnR8fDW3Ilo>).

In the Partner Pavilion, a wide range of third-party vendors tempted attendees with their technology. CIMdata participated in interesting discussions with NVIDIA (www.nvidia.com), the graphics processor company who was showcasing their Maximus technology. Maximus merges the visualization and interactive design capability of [NVIDIA Quadro® GPUs](#) and the computing power of [NVIDIA Tesla GPUs](#) in a single workstation. In Maximus the [Tesla](#) GPU companion processor performs the heavy lifting of photorealistic rendering or engineering simulation computation. Their General Manager of Manufacturing industries spoke of the company's recent technical breakthrough of being able to now capture the bit stream data at the lowest level in the architecture in order to transfer it out over the net even before the data reaches the local display screen. Such a breakthrough will surely kick start a new round of collaboration technology improvements in performance as well as potentially new capabilities.

In a blend of both software and hardware, Mcor Technologies (www.mcor technologies.com), an Irish 3D printing company, presented their Mcor Iris 3D printing product. Mcor Iris is a unique solution in a sea of other 3D printing solutions in that it handles color (1 million+ colors and 5760 x 1440 x 508dpi) and takes as its input media common copier paper to produce 3D prints at an office friendly low noise level and produces no toxic waste.

On the software side, Anark Corporation (www.anark.com) demonstrated their MBEWorks software. MBEWorks represents a model-based enterprise (also called a model-based definition implementation) solution for the communication of 3D CAD data. By taking a Part Manufacturing Information (PMI) annotated 3D solid and outputting it in a neutral 3D PDF document, users can collaborate on the complete model description without the need for 2D drawings. The approach first fostered in the aerospace and defense segment is seeing increased attention across many other industry verticals today.

Also ExactFlat (www.exactflat.com) introduced their ExactFlat Design Studio solution that allows users to design fabric and solid components in a single application. With important uses in automotive seat design and related applications, the software delivers a design environment through 3D CAD design, flattening, nesting, and cutting. The company has tackled one aspect of the sophisticated materials environment that the average 3D solids modeling products have yet to address. If we are ever to fully generate a true virtual product world, malleable materials such as cloth and rubber must be simulated.

SolidWorks does an impressive job of staging their annual user conference each year. The event offers a rich environment for SolidWorks users to learn about current capabilities and the future directions of the product. San Diego, California has been selected for SolidWorks World 2014.

About CIMdata

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enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495.533.666.

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Acquisitions

Autodesk Completes Acquisition of Allpoint Systems Technology

31 January 2013

[Autodesk, Inc.](#) has completed the acquisition of technology and a development team from Allpoint Systems LLC, a Pittsburgh, PA-based developer of software and solutions for collecting and processing LiDAR (laser) point cloud data. The Allpoint Systems team and technology will help Autodesk expand the development of cloud-based reality capture software and solutions. Terms of the transaction were not disclosed.

The acquisition of Allpoint Systems reflects Autodesk's continued investment in developing sophisticated, easy-to-use reality capture technologies. Reality capture is the practice of creating digital models of physical objects and spaces using photography, laser scanning and other technologies.

Allpoint Systems, LLC offers software and data processing solutions for collecting and processing LiDAR data to the roadway and building markets. The Allpoint Systems technology and team will bring to Autodesk significant data registration, automation and robotics technology and expertise that will expand Autodesk's portfolio of reality capture software. The Allpoint Systems technology complements existing Autodesk capabilities, including previously acquired technology from Alice Labs and RealViz.

“Autodesk has a long history of making design technology more accessible, and this acquisition is a critical part of our effort to make it easier for our customers to start their design processes with models based on reality, instead of a blank page,” said Amar Hanspal, Autodesk senior vice president of Information Modeling and Platform Products. “We welcome the Allpoint team's help accelerating the development of new reality capture solutions that make the most of the nearly infinite computational power of the cloud.”

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ModernTech Acquires Secant Technology, Arkansas SolidWorks Reseller

31 January 2013

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ModernTech, a value-added reseller of 3D CAD and Engineering Technology for manufacturers in the Southeast, announces its acquisition of Secant Technology and its SolidWorks software business. As a result of this acquisition, Secant Technology's customers will benefit from immediate access to new products and value-added services from ModernTech. SolidWorks 3D computer-aided design (CAD) software provides tools for product design, validation, technical communications and data management.

“Our shared vision of growth and providing superior customer support was the basis for our companies coming together,” said Jon Carlton, Vice President of ModernTech. “Our goal is to serve the SolidWorks community by helping them create their 3D CAD designs more efficiently with all involved benefiting from the acquisition.”

Steve Ruffin, president of Secant Technology added, “Our first priority in considering this acquisition was our customers. We firmly believe the new company will be stronger and better able to serve the Arkansas SolidWorks user base.”

With the combined resources of ModernTech and Secant Technology the SolidWorks community in the Arkansas, Louisiana, Oklahoma and West Tennessee area will benefit from the additional technical, support and sales staff. With over 16 Certified SolidWorks Engineers, ModernTech leads the Southeast in 3D CAD design expertise. Named as one of the top SolidWorks resellers in the U.S. year over year, ModernTech is recognized for its exceptional sales, services, support and training for SolidWorks' customers.

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Company News

Aras Achieves 5th Consecutive Year of Record Growth

30 January 2013

Aras® today announced that the company achieved a fifth consecutive year of record global growth led by Asia which realized a 160% increase in sales in 2012. The company's strong performance was driven by the continued global expansion, accelerating adoption of the Aras PLM platform around the world and a series of innovative new product releases.

“We believe that the PLM market is undergoing a fundamental transformation where open architectures and modern Web technology are redefining PLM scalability and performance,” said Peter Schroer, President of Aras. “Our continued global growth and momentum are the direct result of mainstream adoption of our advanced PLM technology around the world.”

Aras 2012 Highlights & Milestones:

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- Achieved 5th year of record growth
- More than 67,000 downloads in 130 countries
- Joined the 3D PDF Consortium as a founding member
- Became a signatory member of the Codex of PLM Openness
- New strategic wins at ConAgra Foods, Honda, Hitachi, JAMCO, Kinnerton Confectionery, Mitsubishi, Petroleum Geo-Services, Seiko Epson, Sumitomo and others worldwide
- Named PLM industry expert and former head of SAP PLM Japan, Masahiko Hisatsugu, as President of Aras Japan
- Launched Aras Japan subsidiary
- Grew global partner network to include representation in more than 40 countries including new partners Aimnext, DIPRO, Integware, NobleTek, SCSK Corporation, SEEBURGER AG and vdR Group
- Became the first enterprise PLM provider to enable on Microsoft SQL Server 2012
- Made multiple major product releases including Aras EPLM for SolidWorks EPDM, Aras VPLM for Autodesk Vault and Aras Requirements Management
- Received new solution contributions from Carestream Health, COMPAL, ECCO, Gentex, GETRAG Ford Transmissions, Lear, Maxion Wheels, Mitsubishi, NSK, Sandia National Laboratories and numerous others
- Announced availability of exciting new Cloud-based data replication technology from Ilesfay

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Aras Names Brit Hutchins New CFO

30 January 2013

Aras® today announced that J. Britton (“Brit”) Hutchins, CFA, has joined the company as chief financial officer. Mr. Hutchins has a proven track record of leadership at high growth technology firms and will manage finance, accounting and legal worldwide to drive Aras’s continued international expansion.

“Aras has achieved record growth for the last 5 years and as we continue to scale our business globally we needed an experienced CFO. We chose Brit for his depth of expertise, knowledge of the PLM industry and ability to think outside the box. With Brit on board, the Aras executive team is in place for further acceleration,” said Peter Schroer, President of Aras.

Prior to joining Aras, Hutchins was CFO at VISTAGY for 8 years. During his tenure at VISTAGY, the company experienced consistent year over year growth culminating in an acquisition by Siemens AG in 2011. A 25-year industry veteran in finance, legal, IT and operations, Hutchins has served in various

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executive level positions on Wall Street and in emerging high-tech companies, including Standish, Ayer & Wood, FaxNet and Sonexis. Throughout his career, Hutchins has focused on building growth companies, global expansion and corporate development.

Hutchins is a Chartered Financial Analyst (CFA), sits on numerous boards and is a former board member of the Boston chapter of the Financial Executives International. He holds a BA in economics from Williams College and an MBA from Babson.

“I’m impressed with the way Aras has grown and differentiated itself over the past five years, and I believe the company is well positioned to capitalize on opportunities in the PLM market. The advanced technology in the Aras platform gives the company an advantage in the marketplace and the Aras team is comprised of smart industry veterans who know what it takes to be successful. I look forward to working with everyone here as we continue to build a strong, high growth business,” said Brit Hutchins, CFO of Aras.

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Creaform Appoints Alexis Wilcox as New Vice-President for EMEA Territory

30 January 2013

Creaform is pleased to announce the appointment of Mr. Alexis Wilcox to the position of vice-president for the EMEA territory, starting January 1st, 2013. Alexis will be responsible for managing the sales teams and he will be involved in developing strategies for Creaform’s subsidiaries in Europe, Middle East and Africa so as to reach annual sales and business development goals.

Alexis has more than 15 years of experience in metrology for industrial applications, more specifically in sectors such as industrial electronics and industrial automation. He has held executive positions for companies such as Hirschmann, Knürr and Datamars. Most recently and just before joining Creaform, he acted as managing director for Central Europe of the TESA Division at Hexagon Group. Alexis has extensive experience in building and managing routes to markets as well as an expertise in the distribution of industrial investment machinery equipment and industrial consumer goods. Alexis has a master’s degree in engineering from the University of Texas and Heriott-Watt in Edinburgh (Scotland) as well as a diploma in marketing management from the International Institute for Management Development (IMD) in Lausanne, Switzerland.

President and CEO Martin Lamontagne is delighted with the arrival of Mr. Wilcox: “We are so pleased to welcome Alexis within the Creaform team. His strong experience in building and managing decentralized sales organizations and subsidiaries and his broad international working experience and understanding for regional specificities will be a great asset for our company. We are convinced that his presence and work will have a positive impact on the growth of Creaform and our subsidiaries in Europe.”

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Dassault Systèmes and MARA Partner to Transform Students' Learning Experience, Sustaining Malaysian Transition from Rural to Global

25 January 2013

[Dassault Systèmes](#) announced a strategic partnership with Majlis Amanah Rakyat (MARA), an organization created by the Government of Malaysia's Ministry of Rural and Regional Development, to encourage and facilitate social and economic development particularly in the rural areas of Malaysia.

A key socio-economic goal of Malaysian government is to promote the well-being of its rural population by developing it into a vibrant middle-class, highly employable in the context of the global economy. To that end, a world-class educational program for science, technology, engineering and mathematics (STEM) education is being deployed, relying upon Dassault Systèmes' 3DEXPERIENCE platform.

From the age of 13 to Master's degrees, from academic to technical & vocational education and training, the partnership builds upon 3D-based educational practices and combines new types of learning environments into a game-changing learning experience. All types of Dassault Systèmes' software applications and its educational expertise gained across the world will be mobilized in programmes centred on project-based STEM education in Junior and Professional Colleges and on advanced collaborative engineering curricula at the university level. A key social impact of the programme is in the continuum of encouragement, interest and knowledge it among all different age groups, building a pipeline of talent.

"It is imperative to create an interest in science, technology, engineering and mathematics in children from the age of 13 and onward. The continuum from school to university is crucial to Malaysia to advance its social agenda and develop globally competent engineers for various industries," said Philippe Forestier, Executive Vice President, Global Affairs and Communities, Dassault Systèmes. "Dassault Systèmes will also facilitate a link between its global academic community and MARA to establish international learning opportunities for students."

MARA has over 45 years of experience in nurturing young minds in Malaysia and relies upon its countrywide network of 323 institutions to sustain its educational initiative. "We are proud to partner with Dassault Systèmes. This partnership aligns with our strategic transformation framework to produce a highly competent workforce for the global market," said Datuk Ibrahim Ahmad, Director General, MARA. "With Dassault Systèmes' 3DEXPERIENCE platform, we are able to innovate in the development of human capital in Malaysia and instill leadership values and entrepreneurial skills in the next generation of scientists and engineers."

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Edgecam Breaks All Its Records in 2012

30 January 2013

Edgecam CAM software broke all its records for sales and service in 2012. General Manager Raf Lobato says figures just released show that in the first 6 months of that year both sales and service were 100 per cent more than in previous years. “And for the complete year we are 70 per cent up.

“In a recent statement, the ONS reports manufacturing is down; however we believe that engineering sectors such as aerospace, medical, motor sport, oil and gas, and general subcontracting, were all up in 2012.”

Raf Lobato says: “Edgecam is now the natural choice for a lot of manufacturers in the UK.”

He is also confident of another record-breaking year in 2013 with radical additional developments in the next release scheduled for the Spring: shopfloor program visualisation and editing, and a more efficient workflow application. Using five key selections in Microsoft ribbon style, Workflow brings all CAM processes and steps into an easier structure. “This includes loading and positioning the component, choosing the manufacturing method and machine tools, and managing stock and fixtures, along with strategies to automate manufacture.”

Two major contributors to Edgecam’s record-breaking 2012 are its Waveform Roughing Strategy and a new product which provides an intuitive environment for the comprehensive programming of all wire EDM machine tools.

Engineers and machine operators say the Waveform Roughing Strategy pushes the boundaries of traditional milling. It maximises material removal rates while prolonging both tool and machine tool life, delivering shorter cycle times and better surface finish.

“As Edgecam is developing extremely fast, with each new release containing new or considerably enhanced functionality, we have a large and expanding team in the UK dedicated to ensuring that manufacturers can achieve the best from their engineering and manufacturing processes, taking their businesses to the next level.”

During 2012 Edgecam provided training courses for customers on the enhancements in the latest releases of the software, along with introducing a new annual training event for its resellers throughout Europe, and there are plans to extend this to Asia and the USA in 2013.

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EDS Technologies Receives “VAR of the Year” Award from Dassault Systemes, India

30 January 2013

EDS Technologies team received the “VAR OF THE YEAR” award at Dassault Systemes Annual sales kick-off meet held on 24th January 2013 in Pondicherry, India. Dassault Systemes honored EDS Technologies with the below recognitions for its performance in 2012:

VAR OF THE YEAR

- Sales Achievement Award
- Brand Diversification Award
- Best Aligned Operations Team

"Maintaining consistency in these challenging periods is quite difficult. But the dedicated efforts by all the EDS Technologies team members made the difference. This is the 12th time we are receiving this recognition and take great pride in receiving the same. I take this opportunity to thank all our customers for their business in 2012 and I congratulate our entire team for providing differentiating service and value to our customers that has enabled us to once again achieve this honor," said Mr. Senthil, President, EDS Technologies.

"EDS Technologies is a consistent performing partner for many years and it is exciting to recognize their performance and commitment. Their consistent value delivery and support to our customers has helped increase our reach and penetration in the market," said Mr. Sandeep Singh, Director, Value Solutions, Dassault Systemes.

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Gerber Technology Hosts Students from New York’s Fashion Institute of Technology

30 January 2013

Gerber Technology recently welcomed 35 students from New York’s [Fashion Institute of Technology](#) to its world headquarters in Connecticut, USA. The visit exposed the students to the company’s latest automation solutions and culminated in demonstrations of Gerber’s computer-aided design systems and spreading and cutting technology.

“For the past 15 years, Gerber has welcomed hundreds of FIT students to our facility, sharing with them our knowledge and insight into the inner workings of the apparel manufacturing environment,” said Bud Staples, vice president of North American Sales for Gerber. “We are proud to have such a strong relationship with the faculty at FIT, providing them with the most advanced technology to prepare their students for a competitive entrance into the workforce.”

FIT’s Production Management program is a comprehensive study that focuses on the concept through

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delivery process – including supply chain management, sourcing, purchasing, production management and logistics. Graduates of the program go on to work at many major brands including Ralph Lauren, Li & Fung and Jones New York, while some start their own companies.

Mario Federici, assistant professor and chairperson at FIT, said, “Gerber’s generosity affords our students the opportunity to learn about the most current design and manufacturing solutions as they progress through our Production Management program. By the time they graduate, they are very familiar with the technology. With this knowledge, they are able to recommend automation solutions to their future employers based on an understanding of the importance of controlling costs and ensuring quality.”

FIT student Adam Thomison was particularly impressed by the level of integration between the design room and the cutting room. “I might own my own business one day, so it’s important to have knowledge of the automation technology that exists and how it can improve the overall production process.”

The visit offered the students a glimpse into the various aspects of the apparel manufacturing operation, starting with a pattern digitizing demonstration on Gerber’s Silhouette™ drafting table, followed by a demo of the [AccuMark®](#) pattern design system and [GERBERplotter XLp](#). The students were then shown the [GERBERcutter®](#) DCS 2500, ideal for cutting samples or prototypes, as well as the [GERBERSpreader](#) and GERBERcutter GTxL used in thousands of mass-production environments around the world.

For 40 years, Gerber Technology has worked with more than 1,200 educational institutions in 82 countries to help them provide students with hands-on experience working with the latest software and hardware technology on the market.

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Hawk Ridge Systems Awarded #1 SolidWorks Reseller Worldwide at SolidWorks World 2013

29 January 2013

Hawk Ridge Systems® received the highest recognition from SolidWorks®, Dassault Systèmes by winning the coveted [#1 SolidWorks Reseller Worldwide](#) Award at SolidWorks World 2013 for the second consecutive year. In addition to the [Top Worldwide SolidWorks Award](#), Hawk Ridge Systems received awards for the #1 SolidWorks Reseller in North America for the 9th year, the President’s Club for the 12th time, and the newly created SolidWorks Gold Medal Award for outstanding performance.

“Hawk Ridge Systems has always been a leader in design innovation and cutting-edge customer service and support, so it is fitting that they won this sought-after worldwide award again this year,” said Ken Clayton, Vice President of Worldwide Sales at SolidWorks, Dassault Systèmes. “The award recognizes their deep bench of [highly experienced SolidWorks professionals](#), as well as their dedication and focus on the customer. Hawk Ridge Systems lives and breathes customer service and support in everything

CIMdata PLM Industry Summary

they do to provide a better SolidWorks 3D experience. Their track record speaks for itself. ”

In 2012, Hawk Ridge Systems expanded its portfolio of offerings with new products and services, and increased its geographic coverage. New products include [SolidWorks Electrical](#), [SolidWorks Plastics](#), and [CAMWorks®](#) for CNC machining, a SolidWorks Certified Gold Product. New software applications include [HawkWare™](#) productivity tools for SolidWorks and Enterprise PDM. New services include a dedicated Simulation Services team, and a significant investment in the Product Data Management implementation team. Hawk Ridge Systems expanded its geographic territory to include [Ontario, Canada](#) which extends coverage to the East Coast of North America.

As Dale Ford, P.Eng, President and CEO of Hawk Ridge Systems states, “To be presented the #1 [SolidWorks Reseller](#) Worldwide Award for 3 out of the last 6 years is a testament to our many customers who we partner with every day. Our team at the Ridge is dedicated to our core values which revolve around bringing excellence, innovation, integrity and commitment to build trusted relationships with our customers. I am so proud of our team at Hawk Ridge - this award recognizes our efforts to bring real value to our customers.”

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Lectra Appoints Paul Epperson as Vice President of Sales, Manufacturing for North America

29 January 2013

Lectra pleased to announce the appointment of Paul Epperson as Vice President of Sales, Manufacturing for North America.

Paul Epperson is responsible for leading strategic growth initiatives for CAD/CAM solutions in the North American market, which comprises Canada, the United States, Mexico and some countries in Central America. He reports to Roy Shurling, President of Lectra North America, and is based in Atlanta, Georgia. Paul Epperson's appointment takes place in a context of continued recovery in the US manufacturing industry. He will help Lectra's customers in the automotive, fashion, furniture and composite materials industries optimize their cutting rooms and reduce manufacturing costs.

"Developing our position in North America is one of our top priorities and Paul's appointment will enable us to strengthen our sales team. At a time when many companies are cutting back, Lectra is continuing to invest in the future. As a result we are able to provide our customers with an innovative offer along with unrivaled consulting, support and customer care," said Daniel Harari, Lectra CEO.

"Lectra North America has recently seen strong growth in orders, with an increase of 13% in the first nine months of 2012. Manufacturing accounts in the automotive sector have been at the forefront of this growth, but more recently other market sectors, notably furniture and fashion, have also started to improve. Paul's proven expertise and solid manufacturing background will bring value to Lectra's customers in the region," added Roy Shurling.

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"Lectra's customers in North America are always on the lookout for opportunities to work with knowledgeable companies that understand their business needs and the challenges they face in their respective industry. Lectra meets these needs by investing heavily and consistently in R&D, developing manufacturing solutions that add value to the customer," commented Paul Epperson.

Paul Epperson has more than 25 years' experience in manufacturing, engineering, consulting, and sales management. Prior to joining Lectra, he spent 15 years at General Electric, where he most recently served as North American Sales Director for its automation division. He has a bachelor's degree in Electrical Engineering from Tri-State University, Indiana.

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Microdesk Earns Autodesk Product Support Specialization

29 January 2013

Design technology consultancy, [Microdesk](#), announced that it has earned the new Autodesk Product Support Specialization recognizing outstanding technical support capabilities. This designation is awarded to selected qualified partners of [Autodesk, Inc.](#)

As an [Autodesk Specialized Partner](#), Microdesk has demonstrated that they have the ability to help customers implement Autodesk solutions faster, minimize downtime, and enhance their business performance.

"The Product Support Specialization highlights the high-quality support our consulting team consistently provides to our clients throughout the U.S.," said Mike DeLacey, president of Microdesk. "Whether troubleshooting a basic software issue or helping to identify ways to more effectively leverage their technology, our team treats each client issue as mission-critical. And because our team is entirely comprised of industry veterans, we have an insiders' perspective that enables us to provide smarter solutions driven by real-world experience."

The new Autodesk Partner Specializations highlight Autodesk partner proficiency in delivering services in key industry areas. Specialization is achieved by completing rigorous curriculum requirements and training, as well as meeting required levels of service and standards set by Autodesk.

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Mid-West CAD AEC Specialist Deanna Kimbrell Earns Autodesk ACI Award

29 January 2013

Mid-West CAD, Inc., an [Autodesk Gold Partner](#) serving Kansas City and the Mid-States region, announced AEC Application Specialist Deanna Kimbrell earned the [Autodesk Instructor Certification \(ACI\) Award](#).

The ACI program, a cornerstone of the Autodesk Professional Excellence Program, provides professional instructors with the highest level of training on the use of Autodesk software. The program requires each candidate to have at least two years' teaching experience before application and admission. It is designed to ensure that students leave the classroom competent and confident. The program also provides an in-depth evaluation of an instructor's proficiency with Autodesk solutions and the instructor's ability to train others.

"We congratulate Deanna on continuing her professional development," says Bob Treolo, Vice President of Mid-West CAD. "ACI certification enhances the tool set Deanna brings to class as she enthusiastically teaches and consults using her AEC Industry and product expertise. We're appreciative of the thousands of students that have consistently ranked Deanna in the top tier of ATC Instructors with their class evaluations.

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Vic Bhagat Joins EMC as Executive Vice President, Corporate Services and Chief Information Officer

28 January 2013

[EMC Corporation](#) today announced that 20-year General Electric (GE) veteran Vic Bhagat has joined EMC® as Executive Vice President, Corporate Services and Chief Information Officer. Reporting to Howard Elias, EMC's President and Chief Operating Officer, Global Enterprise Services, Bhagat assumes responsibility for EMC Information Technology, Global Centers of Excellence, Global Business Services and Indirect Procurement organizations. He succeeds Executive Vice President Sanjay Mirchandani who, after nearly seven highly successful years with EMC, will transition to a new strategic role within the company.

Bhagat has a proven track record of delivering results in IT, business process, development centers, shared service operations and innovation. A 30-year industry veteran, including more than 20 years at GE, he most recently helped establish Accenture's worldwide Big Data analytics practice for Natural Resources. Prior to that, Bhagat held the role of CIO for multiple GE organizations including GE Aviation Services, GE Global Growth and Operations, CNBC, GE Corporate, and GE India and Southeast Asia.

"Having known Vic for several years, we are delighted to have him join EMC's leadership team," Elias

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said. "Vic's ability to lead large-scale transformative initiatives, his tenure and accomplishments as a true change agent, and his deep international experience will be instrumental as we continue to build on the central role these organizations play in helping customers transform their IT through cloud computing, transform their businesses through Big Data and do so in a safe and trusted way."

"As a technology company to its very core, EMC is known throughout the industry as thoroughly committed to investing to maintain and extend its technology edge," Bhagat said. "This applies to the technologies it uses to run its business, those it uses to support its customers' strategic initiatives, and the intersection of the two. I'm thrilled to join EMC at this exciting time in its evolution, and proud to be surrounded by its world-class team from top management on down. I've admired and worked closely with EMC over the years, and look forward as, together, we transform the industry through Cloud Computing, Big Data and Trusted IT solutions."

Elias added, "Over the last seven years, Sanjay has worked tirelessly with his team to build a network of global Centers of Excellence, consult with the business on critical initiatives, and completely transform EMC IT into a value-driven, industry-leading showcase for our customers. Sanjay will remain an active global leader for EMC supporting the company's new Pivotal Initiative, which is tasked with unleashing the truly transformational capabilities of cloud applications, mobility and Big Data. Sanjay will also continue as one of EMC's key executives supporting the company's rapid growth market initiatives and interacting with our customers."

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Events News

ADT's Mehrdad Zangeneh to Present on 3D Inverse Design at LSTM Turbomachinery Course

30 January 2013

[Advanced Design Technology](#) (ADT) today announces that Mehrdad Zangeneh, PhD., professor of thermofluids at University College London and founding director and CEO of ADT, will give a presentation entitled, "Application of 3D Inverse Design Method for Turbomachinery Optimization," from 11:00 to 11:50 a.m. on February 21 as part of this year's Lehrstuhl für Strömungsmechanik (LSTM) at the Technical University, Erlangen in Germany. Attendees to Zangeneh's presentation will learn the basics of using 3D inverse design code for the design and analysis of turbomachinery components.

LSTM is held every two years at the Friedrich Alexander Universität in Erlangen and features multiple classes from professors and industrial experts on the development, design and analysis of turbomachinery components. This year's theme is "Modern Design Modern Design Methods for Ventilators, Turbines, Pumps and Turbo Chargers."

"With the implementation of [Europe's Ecodesign Directive](#), optimization of fan and pump designs has

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taken on increased importance in meeting efficiency requirements,” says Zangeneh. “With 3D inverse design optimization technology, engineers use a unique approach that specifies flow related design parameters and eliminates trial and error. This results in more efficient designs developed in far less time than it would take using traditional design methods.”

For more information about 3D design inverse design technology and the TURBOdesign Suite, visit ADT stand during LSTM February 18-21, 2013; contact them at +44 (0)20 7299 1170; or go to the ADT [website](#) to arrange a demonstration of unique 3D design and analysis codes.

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Automotive Industry Action Group Lends Support to 2013 3D Collaboration & Interoperability Congress

28 January 2013

Longview Advisors, organizers of the annual 3D Collaboration & Interoperability Congress (CIC), today announced that the Automotive Industry Action Group (AIAG) will support its 2013 event (www.3DCIC.com), to be held May 21-23, 2013 in Colorado Springs, Colorado.

AIAG (<http://www.aiag.org/>) is a not-for-profit, member-supported organization that works with a wide range of global manufacturing companies and service providers to help them operate at peak performance.

Now in its tenth year, CIC has become a yearly barometer of the state of collaboration and interoperability strategy, technology and solutions in manufacturing and business communications. The three-day international event gives attendees a unique opportunity to network, learn and strategize with thought leaders from many sectors of discrete manufacturing, including automotive, aerospace, heavy equipment and electronics industries, as well as with representatives from government and defense communities.

"Continuous improvement is key to enterprise sustainability and has contributed directly to the upward trajectory we have seen in the automotive industry in terms of overall product quality and customer satisfaction," said J. Scot Sharland, executive director of AIAG. "Improving processes and methods that enhance collaboration in global product development and supply chains will further drive these trends. We see our involvement with the CIC as a key part of our overall vision."

Interested attendees are encouraged to register soon as time-limited discounts currently apply. AIAG members will receive a discounted registration fee.

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AVEVA Sponsors Topsides Platforms & Hulls Conference and Exhibition 2013

30 January 2013

AVEVA announced today that it will once again sponsor the Opening Night Networking Reception at the upcoming Topsides Platforms & Hulls Conference and Exhibition 2013 (Topsides). AVEVA will also showcase its newest software technology including AVEVA Everything3D (AVEVA E3D) which enables Plant Design for Lean Construction, and AVEVA Enterprise Resource Management (AVEVA ERM), a complete application suite to optimise the materials management, planning and construction process. The conference runs February 5 to 7, 2013, at the Moody Gardens Convention Center in Galveston, Texas.

“Topsides 2013 is a great event at which to showcase these two very exciting products that we have just launched. In fact, this will be the first chance for the North American Offshore sector to see this new technology,” said William Muldoon, Executive Vice President, AVEVA. “There is a continuing shift to deeper water for offshore exploration and production. Our software has been used on some of the largest, most complex offshore projects in the world and the new AVEVA E3D and AVEVA ERM will help our customers meet the challenges of these environments. AVEVA has an impressive track record in the offshore industry and we’re very keen to share our experience in the design, construction and operation of FPSOs and platform topsides.

AVEVA E3D drives the adoption of Lean Construction by enabling Engineering, Procurement and Construction contractors (EPCs) to break down barriers between design and construction, reducing project costs, schedules and risk. AVEVA ERM gives EPCs a next-generation resource management solution enabling them to minimise risk and maximise profit, while delivering projects on time.

“Alongside our existing offerings which allow Owner Operators and EPCs to collaborate and monitor project performance through handover, and those to manage asset performance during the operational life of a facility, AVEVA will demonstrate how its solutions deliver significant business value across the entire end-to-end Offshore asset lifecycle”, added Mr Muldoon.

Topsides 2013 kicks off February 5 with the AVEVA sponsored networking reception from 5:00 to 6:30 pm in the exhibition hall. The conference and exhibition begins the next morning. Visit AVEVA at booth 700.

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BETA CAE Systems S.A. 2013 Japanese Open Meetings

1 February 2013

BETA CAE Systems S.A. has the pleasure to invite you to the 2013 open meetings in Japan, hosted by TOP CAE Corporation. The two events will take place: on February 20th, 2013, Shinyokohama Prince Hotel in Yokohama, and on February 22nd, 2013, Nagoya Urban Institute in Nagoya.

These events aim to introduce the latest developments in ANSA and μ ETA Pre- and Post-Processing suite and to showcase its application in various CAE disciplines. The Technical Discussion session that will follow each event's closing will give participants the opportunity to meet in person with their engineers and discuss about the software features and their application.

BETA CAE Systems S.A. and TOP CAE Corporation would like to express their appreciation to the invited speakers for their contribution.

The language of the events will be Japanese and English. The attire will be business casual. Coffee servings and lunch are courtesy of TOP CAE Corporation.

There is no participation fee for these events. However, they would appreciate if attendees register by email no later than February 13th, 2013.

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CAD Schroer: Sustainable Energy Plant Design

30 January 2013

Supporting sustainable energy projects with powerful yet affordable plant design software is a key goal for CAD Schroer in 2013. The engineering software provider will be exhibiting at Biogaz Europe (France) in March and at EfW Live (UK) in April 2013.

Significant savings for biogas plant designers

“New waste to energy (WTE) technologies are constantly emerging, while existing technologies are getting more efficient,” says Anke Adams of CAD Schroer. “With strict international emission targets and the drive to exploit renewable energy sources, technologies like anaerobic digestion for the creation of biogas are on the top of the agenda at many energy shows in 2013. CAD Schroer will attend with the goal to make it more affordable for renewable energy plant providers to plan and deliver new projects.”

CAD Schroer’s MPDS4 3D plant engineering software allows project engineers to design plants of any size, route and connect services, and quickly cost Brownfield or Greenfield projects. For companies using the software on renewable energy plants, CAD Schroer offers a 70% discount on the software, as well as discounted maintenance and support services.

Extensive Energy from Waste Conference Program

Both the Biogaz Europe exhibition at ExpoNantes, France (20 – 22 March 2013) and the Energy from Waste Live show (part of Sustainability Live) in Birmingham, UK (16-18 April 2013) will feature a high level conference program all around advanced thermal treatment processes including pyrolysis, gasification, autoclaving, anaerobic digestion, mechanical biological treatment (MBT) and incineration with combined heat and power. They will bring together industry professionals who can combine experience and expertise with fresh ideas and practical solutions, enhancing sustainability in businesses across Europe.

More information on CAD Schroer's events page:

<http://www.cad-schroer.com/News/Events/pk/203>

"CAD Schroer's teams in France and the UK are looking forward to contributing to the renewables debate with engineering software expertise, and with technology that makes the large-scale plant design process as productive and cost effective as possible," Anke Adams concludes.

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Cimatron's Triple Machining Act at IMTEX, India

28 January 2013

[Cimatron Limited](#) today announced that three of India's leading machining solution providers will be performing live machining demonstrations powered by CimatronE at the IMTEX trade show in Bangalore, India, from January 24-30, 2013.

"Manufacturers of molds, dies and discrete parts across the world rely on CimatronE's CAD/CAM software for reliable and accurate machining of any part, regardless of complexity", said Mr Edsel Vaz, Cimatron's Country Manager for India.

"Indian manufacturers have discovered how effective CimatronE's machining strategies really are in powering machines, with record machining times and ultra-high surface quality.

"CimatronE has become the leading solution endorsed by many of India's machine tool companies and we are proud that three of the most prominent machine tool companies, BFW, MTAB and Askar Microns, will be using CimatronE to power their live machining demonstrations at the IMTEX trade show."

The MTAB display at IMTEX (Hall 5, booth B107) will feature the machining of the face of a Buddha, a cellphone casing, a computer mouse cover, and a shoe model. CimatronE capabilities employed will include micro milling.

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The BFW machining demonstration (Hall 1A, booth A102) will feature the cutting of a turbine blade and a forging die.

Askar Microns' demonstration (Hall 3B, booth C109) will use CimatronE's 5-Axis.

CimatronE's NC programming capabilities include: built-in CAD functionality, 2.5 to 5 Axis machining, background toolpath calculations, efficient roughing, high quality finishing, plate machining and drilling, micro milling, a rich library of post-processors, and NC setup and tool table reports.

Detailed information on CimatronE can be found at <http://www.cimatrone.com>.

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Delcam to Show Robot Machining Developments at JEC

31 January 2013

Delcam will demonstrate the latest developments in its PowerMILL software for the programming of machining by robot at the JEC exhibition to be held in Paris from 12th to 14th March.

The latest developments in Delcam's PowerSHAPE design software and PowerMILL's five-axis machining system will also be demonstrated. Both programs are already used extensively in the marine, aerospace, rail and wind energy sectors of the composites industry for the design and manufacture of models, patterns, moulds and fixtures for component manufacture, and for the finish machining of parts.

The robot machining demonstration will use a KUKA robot, the combination that has proved successful for Delcam customers such as marine manufacturer Southern Spars. This is one of many applications where a robot has provided a lower-cost alternative to machine tools for the manufacture of larger composite components.

The new robot machining interface in Delcam's PowerMILL CAM software has made it far easier to program robots for a much wider range of applications. The ability to program the robot offline from 3D CAD data is both faster and more efficient than the "teach and learn" approach that is often used to create instructions for the equipment.

This easier programming method is allowing composite manufacturers to take advantage of the many potential benefits of using robots. Firstly, the cost of installing a robot is far less than the price of a large machine tool with a similar working envelope. In addition, the flexibility of the robot means that complex operations can be carried out in a single set-up, so cutting production times and reducing the

number of fixtures needed.

Robots do have their disadvantages since they struggle to machine harder materials and cannot match the tolerances possible with modern machine tools. However, they can be used successfully in any area where softer materials need to be machined to accuracies of tenths of a millimetre. This can be more than adequate for components that might be several metres in length, as is often the case for composite tooling and parts for marine, aerospace, autosport and rail applications.

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Four Vero Brands to Exhibit at Southern 2013

28 January 2013

Alphacam, Edgecam, Javelin and Radan will be showcasing their most recent features and updates at the Southern Manufacturing Exhibition (www.industrysouth.co.uk), being held at FIVE, in Farnborough, on February 13 and 14.

Alphacam, Edgecam and Radan are on stand P72, while Javelin is on stand Q43.

Alphacam: Stand P72

Alphacam, the CAM solution for wood, stone, composites and metal components from 2 Axis through to 5 Axis NC programming applications, offers increased productivity, reliability, and flexibility. Its ease of use and sophisticated toolpath generation, make it an ideal CAM system for routing, milling and turning.

Visitors to the stand will see a host of functionality in Alphacam 2013 R1 that reduces programming time and material wastage, while improving material surface finish, part quality and tool life.

It includes a new reporting application for nested job reports, setup sheets, tool listings and part labels; toolpath oscillation, which utilises more of the tool's effective cutting length; automatically adding support tags allowing the part to stay attached to the material being machined; nesting zones which contribute to reducing material wastage and improving the quality of the part; and pocket area clearance and finish contour machining can be combined into a single machining operation, which improves the quality of the part and reduces programming time.

Alphacam General Manager Nick Spurrett says: "These enhancements ensure Alphacam not only keeps pace with the changing needs of manufacturers throughout the area, but also delivers maximum return on investment."

Edgecam: Stand P72

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Edgecam will be demonstrating its recently-introduced wire EDM product which provides an intuitive environment for the comprehensive programming of all wire EDM machine tools.

And a number of enhancements in Edgecam 2013 R1 give added value for all users.

- The industry-leading Waveform Roughing cycle now has the ability to specify a pre-drilled hole as the approach type, ensuring a smoother transition into the material, reducing the cycle time even further.
- A new “Tube” stock type has been added, and the user can now edit stock dimensions and re-pick geometry while retaining the stock shape. Changes to the stock are now considered automatically when regenerating the machining instructions.
- Further enhancements have been made to the Edgecam Simulator, enabling the simulation process to rewind to a previous position in the machining sequence.
- Toolpaths are now generated much faster thanks to a new 5-axis 64-bit machining engine running as a separate process, utilising multiple core technology. Background processing of milling cycles in the Mill/Turn environment is now available, meaning the user can carry on working while Edgecam calculates complex toolpaths.

Javelin: Stand Q43

Javelin, the flexible, scalable and intelligent production planning and control system will be showing its new mobile wireless functionality on stand Q43.

There is something in the latest release, Javelin 2013r1, to improve processes for every manufacturer.

Data monitoring stock in and out is now gathered wirelessly and transmitted from hand-held devices such as scanners and tablets running terminal servers. Specific displays have been created to run on the small screens that these devices have. It enables barcode scanning to pick, locate and check stock, including confirmation that the correct stock is being despatched at the time of picking...all done wirelessly.

CRM includes a prospects database so that records can be held on a prospect without adding them as a customer. Users set their own classifications about what information is recorded, and it can all be linked to quotations and sales orders. An automatic, fully configurable link ensures that raising a quotation creates a diarised follow-up action.

A new Multi Sales Issue function overcomes the time-consuming task of picking stock for individual Sales Orders. Stock can now be picked by customer, date, or even by the part itself, as well as the specific Sales Order, saving considerable time for companies shipping hundreds of items a day.

Similar time savings are achieved for companies needing serial traceability, by using Serial Numbers Scan which can scan to select or deselect. “If you’re issuing 90 parts from a box of 100, you need only scan ten on ‘deselect,’ and it will keep those on stock while registering the others as having been

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despatched,” says General Manager Paul Holmes. “Or if you’re only sending a small number of items, you simply scan those on ‘select’.”

Program Nesting exports static nests to third-party software, such as a CAD package, for material optimisation and CNC coding. “That will then cover the whole nest with a series of programs. One nest may need ten programs to run ten times each, and some just once. Importing that information back into Javelin ensures Shop Floor Data Capture records against individual program runs rather than the entire nest.”

Radan: Stand P72

Radan offers a unique combination of applications for profiling, punching and bending, along with design and production management capabilities.

Radan 2013 includes improved support for multi-tools, meaning they are much easier to use. General Manager Chris Aston says the traditional way of setting up multi-tools in the machine system data file is cumbersome and time-consuming. “However, we take the principle that a multi-tool is a tool, not a turret, which has implications as to how multi-tools are deployed by Radan and configured and manipulated by users.

For example, a configuration for a Trumpf machine will have the definitions – the shape and number of stations – of all multi-tools the customer may purchase for their machine tool, without allocating it to a tool station at that time. This is less work-intensive and more flexible than the traditional system of always allocating a multi-tool to a station.”

The combination of all enhancements in Radan 2013 provides greater automation while still giving the user manual options if required. It contains key enhancements to the navigational tools, increasing accessibility to functions; along with improved integration of Radband; and the addition of colour making it easier to identify parts, both pre and post production.

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Financial News

Agilent Technologies to Host Webcast of First-Quarter Fiscal 2013 Financial Results Conference Call

31 January 2013

Agilent Technologies Inc. will release first-quarter fiscal 2013 financial results after the stock market closes on Feb. 14. The company will host a live webcast of its investor conference call in listen-only mode.

Date: Thursday, Feb. 14

Time: 1:30 p.m. PST

Web access: www.investor.agilent.com

Listeners may log on and select “Q1 2013 Agilent Technologies Inc. Earnings Conference Call” in the “News & Events – Calendar of Events” section. The webcast will remain on the company site for 90 days.

In addition, a telephone replay of the conference call will be available at 3:30 p.m. PST, Feb. 14 through Feb. 21 by dialing +1 888 286 8010 (or +1 617 801 6888 from outside the United States) and entering pass code 17893997.

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ANSYS to Release Fourth Quarter and 2012 Earnings on February 28, 2013

28 January 2013

ANSYS, Inc. announced that the Company expects to release its fourth quarter and 2012 earnings on Thursday, February 28, 2013. 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 fourth quarter and 2012 results and future outlook.

CONFERENCE CALL INFORMATION:

What: ANSYS Fourth Quarter and 2012 Earnings Conference Call

When: 2/28/2013 at 10:30 a.m. Eastern Time

They encourage participants to pre-register for the conference call using the enclosed link. Callers who pre-register will be given a unique PIN to gain immediate access to the call, bypassing the live operator. Participants may pre-register any time, including up to and after the call start time. You will immediately receive an online confirmation, an email with the dial in number and a calendar invitation

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for the event.

To pre-register, go to:

<http://services.choruscall.com/DiamondPassRegistration/register?confirmationNumber=10024047&linkSecurityString=1dfaa0a583>

You may also reach the pre-registration link by logging in through the investor section of our website at <http://investors.ansys.com> and clicking on the Audio Webcasts link. Click the event under Upcoming Events.

For those who do not have internet access or are unable to pre-register, simply join the call on the day of the event by dialing (877) 270-2148 (US) or (412) 902-6510 (CAN and INT'L). Ask the operator to join you into the ANSYS Conference Call.

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: 10024047

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Arena Solutions Announces Record Fourth Quarter Results

29 January 2013

Arena Solutions finished its fiscal fourth quarter of 2012 with growth in subscription revenue, existing-customer renewals, new customer wins, and partner channel sales.

Arena, developers of cloud PLM applications, posted total subscription sales for the quarter that grew by 31 percent compared to the previous year. The company achieved a net new renewal rate of 132% for the fourth quarter, while more than 100 existing customers expanded their implementations.

“Arena’s outstanding results reflect customer confidence in the unique features the company’s systems offer,” says Craig Livingston, CEO at Arena. He cites the low initial costs of Arena’s cloud PLM applications, the ease of system deployment, and the functionality that connects customer data to supplier information ecosystems. “Arena’s applications help customers cost-effectively innovate and competitively deliver more profitable products to their markets,” he explains.

Strong Performance

- Total subscription sales: Arena posted positive growth in subscription sales, those revenues the company expects to realize year after year. Arena’s total subscriptions for the year grew by 21 percent compared to the previous year. Total subscription sales for the fourth quarter increased

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31percent over the fourth quarter of 2011.

- New subscription sales: New subscription sales were up 89 percent in the fourth quarter over 2011 fourth-quarter results, and up 30 percent for the full year.
- Partner channel sales: Sales reached record levels in 2012, up 34 percent over 2011—the previous best year.
- Customer expansion: During the quarter, more than 100 existing Arena customers added to their Arena configurations. “This high number of customer expansions demonstrates a solid match between Arena’s new product releases and what customers want in cloud PLM applications,” says Livingston.
- Early-stage, “micro-emerging” performance: Subscriptions to these companies reached record levels as they took advantage of Arena promotional programs. Sales doubled over the previous year’s fourth quarter result and beat the previous high-water mark for a quarter by 33 percent. “Emerging companies are extremely focused on innovation and efficiency—both key values delivered by Arena’s cloud PLM applications,” Livingston explains.

New-customer wins

Arena added 41 new customers during the quarter. “Despite today’s economic uncertainties, increasing numbers of innovative manufacturers understand that Arena’s feature-rich cloud PLM applications will help them succeed,” says Livingston. The following companies are among Arena’s new customers.

- Alta Devices, maker of efficient, thin and flexible mobile power technology
- Kymeta, provider of simplified connections between mobile users and broadband satellite communications services
- Supersonic Image, a multinational medical imaging company; developer of an ultrasound system that enables the user to detect, characterize and eventually treat palpable and non-palpable masses
- Totus Solutions, provider of outdoor lighting based security platforms
- Matrix Design, maker of safety and productivity technology for underground mining products and services
- Anoto, provider of digital pen technology enabling fast, reliable transmission of handwritten text and illustrations into digital format
- Gridco Systems, developer of a new generation of utility-scale power management systems

“The success of the recent quarter underscores Arena’s commitment to maintaining focus on delivering cloud PLM features and applications that meet customers’ needs,” says Livingston, citing the company’s release of its latest update to its premier product, BOMControl, during the quarter. “With the right products, the right focus on assuring customer success, and the right management team with deep domain experience, Arena has the elements in place to continue to grow at a high pace.”

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Autodesk Extends Invitation to Join its Fourth Quarter Fiscal 2013 Financial Results Conference Call

1 February 2013

WHAT: [Autodesk](#), Inc. today announced that it will broadcast its fourth quarter fiscal 2013 financial results conference call live via its website Monday, February 25, 2013 at 2:00 p.m. Pacific Time.

HOW: Autodesk will host a live webcast call at www.autodesk.com/investors. An audio replay webcast and podcast will also be available after 4:00 p.m. Pacific Time on our website at www.autodesk.com/investors.

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

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Cadence Reports Fourth Quarter and Fiscal Year 2012 Financial Results

30 January 2013

Cadence Design Systems, Inc. announced results for the fourth quarter and fiscal year 2012.

Cadence reported fourth quarter 2012 revenue of \$346 million, compared to revenue of \$308 million reported for the same period in 2011. On a GAAP basis, Cadence recognized net income of \$314 million, or \$1.10 per share on a diluted basis, in the fourth quarter of 2012, compared to net income of \$11 million, or \$0.04 per share on a diluted basis, in the same period in 2011. Revenue for 2012 totaled \$1.326 billion, compared to revenue of \$1.150 billion for 2011. Net income for 2012 was \$440 million, or \$1.57 per share on a diluted basis, compared to net income of \$72 million, or \$0.27 per share on a diluted basis, for 2011. GAAP net income for the fourth quarter of 2012 included a \$220 million income tax benefit from releasing a valuation allowance against Cadence's deferred tax assets and a \$37 million income tax benefit related to the settlement of a State of California examination of Cadence's state income tax returns for the tax years 2001 through 2003.

Using Cadence's non-GAAP measure, net income in the fourth quarter of 2012 was \$58 million, or \$0.20 per share on a diluted basis, as compared to net income of \$46 million, or \$0.17 per share on a diluted basis, in the same period in 2011. For 2012, non-GAAP net income was \$217 million, or \$0.77 per share on a diluted basis, compared to non-GAAP net income of \$138 million or \$0.51 per share on a diluted basis, in 2011.

“In 2012, we executed on multiple aspects of our strategy,” said Lip-Bu Tan, president and chief executive officer. “In Silicon Realization, we demonstrated market leading technology for the newest process nodes, multi-core based design, 3DIC, low-power and mixed-signal as well as advanced verification. In SoC Realization, we significantly expanded our IP and VIP portfolios and revenue grew over 30 percent. In System Realization, Palladium XP had record revenue and we strengthened our printed circuit board platform with the acquisition of Sigrity.”

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“Cadence also produced strong financial results in 2012,” added Geoff Ribar, senior vice president and chief financial officer. “Revenue grew 15 percent, operating profitability improved approximately five percentage points, and operating cash flow increased 31 percent. With \$827 million of cash and short term investments at year end, our balance sheet is well positioned to support our strategy and meet our debt obligations.”

The following statements are based on current expectations. These statements are forward-looking, and actual results may differ materially.

Webcast access is available at www.cadence.com/cadence/investor_relations.

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EMC's Fourth-Quarter and Full-Year 2012 Earnings Results Available

29 January 2013

EMC Corporation today announced that its fourth-quarter and full-year 2012 financial results and earnings news release are now available on the EMC Investor Relations website at: <http://www.emc.com/q4-2012-earnings> and on the U.S. Securities and Exchange Commission website at: <http://www.sec.gov/cgi-bin/browse-edgar?action=getcompany&CIK=0000790070&owner=exclude&count=40>.

As previously announced, EMC will host its fourth-quarter and full-year 2012 earnings conference call today at 8:30 a.m. ET, which will be available on EMC's Investor Relations website at: <http://www.emc.com/ir>.

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Stratasys Conference Call to Discuss Fourth Quarter Financial Results

28 January 2013

Stratasys Ltd. announced that it will release financial results for the quarter ended December 31, 2012 and hold a conference call with investors on Monday, March 4, 2013. The Company plans to hold the conference call to discuss its fourth quarter financial results on Monday, March 4, 2013 at 8:30 a.m. (ET).

The investor conference call will be available via live webcast on the Stratasys Web site at www.stratasys.com under the "Investors" tab; or directly at the following web address: <http://www.media-server.com/m/p/aix9b7e6>.

To participate by telephone, the domestic dial-in number is 866-270-6057 and the international dial-in is

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617-213-8891. The access code is 82394547. Investors are advised to dial into the call at least ten minutes prior to the call to register.

The webcast will be available for 90 days on the "Investors" page of the Stratasys Web site or by accessing the provided web address.

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Trimble Announces Fourth Quarter and Fiscal 2012 Earnings Call and Web Cast

29 January 2013

Trimble will hold a conference call on Tuesday, Feb. 5, 2013 at 1:30 p.m. PT to review its fourth quarter and fiscal 2012 results. The call will be broadcast live on the Web at <http://investor.trimble.com/>. Investors without Internet access may dial into the call at (800) 528-9198 (U.S.) or (702) 928-6633 (international). The pass code is 95278356.

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Implementation Investments

Angola's PAENAL Yard Adopts AVEVA Marine to Drive Down Production Costs

30 January 2013

AVEVA announced today that Porto Amboim Estaleiros Navais Lda (PAENAL) Yard, an Angolan joint venture between Sonangol, SBM Offshore and DSME, has implemented AVEVA Marine for the integrated 3D design of offshore steelwork and outfitting across its construction yard. AVEVA's software was selected for its ability to efficiently handle complex steelwork and outfitting design for offshore assets such as FPSOs and Platforms, saving time and man-hours, not only in design, but also on the production field.

By using a single model database, AVEVA Marine will enable PAENAL Yard to create, develop, manage and exploit engineering and design data, achieving benefits such as improved design quality, reduced production rework and optimised use of resources. PAENAL Yard will use AVEVA Marine Outfitting to create precise production info such as, plate nesting and workshop drawings.

'Members of our joint venture have used AVEVA software for a number of years on many successful FPSO projects, so we are fully aware of its capabilities,' said Sung-Ho Son, Engineering Manager, PAENAL Yard. 'For offshore projects, the technology advantage of integration between disciplines in AVEVA Marine is considerable. The ability to drive efficiencies through the entire engineering process using AVEVA's highly productive tools helps to ensure that we offer our customers the highest possible quality while delivering savings both in construction deliverable generation and production that improve our bottom line. The work at this yard will support Angola's growing and strategic offshore oil & gas

sector.'

'AVEVA Marine provides a business-critical set of applications to support PAENAL Yard's large and complex projects, including Topsides", added Fredy Ktourza, Senior Vice President – West EMEA, AVEVA. "AVEVA's expertise in shipbuilding and offshore is second to none. By offering fully integrated, concurrent development of 3D design data, our other shipyard customers achieve savings of up to 30%. We are confident that by upgrading to AVEVA Marine from competitive solutions, PAENAL Yard will be able to achieve similar savings on its projects in the future.'

[Learn more about AVEVA Marine.](#)

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Product News

A New Way to Go 3D - Zebra Imaging to Partner with Autodesk

31 January 2013

Zebra Imaging, Inc., the provider of 3D holographic displays and visualization technologies, announced that the company is launching a new Web GL integration service that will be available on the Autodesk 123Dapp.com website. The integration will allow 123D users to seamlessly print a 3D holographic display from a 3D model. The relationship further strengthens both Zebra Imaging's and Autodesk's commitment to providing 3D design and fabrication tools across the globe.

This partnership extends holographic prints as a new medium for 3D modelers to share their designs. The Autodesk [123D family](#) of apps provides users with the ability to capture, design and make their ideas in 3D, and connect with others for support and inspiration. Zebra Imaging will now be part of that inspiration as a featured Fabrication Partner, offering users the ability to print their creations in a true 3D hologram, also known as a ZScape[®] 3D Holographic Print.

"With our technology and 3D print services, 3D data can be brought out of the computer and into the consumer 3D display market at an affordable price. The partnership is about inspiring creativity and new approaches for visualizing in 3D," says Brian Hill, GM Zebra Imaging Print Division.

Zebra's holographic prints are an alternative to traditional 3D printing services. Where traditional 3D printing companies produce a physical model of 3D data, 3D holographic prints are an actual 3D print, a product that looks like a digital film photograph, only when illuminated with a light source, the image appears to float above the surface and can be viewed without glasses.

Zebra Imaging created an intuitive graphical user interface (GUI) so users of the 123D website can simply choose a 3D model from the Gallery or upload their own 3D model direct through the web for

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holographic print production. The integration makes it seamless for users of the 123D site to print their photos in 3D holograms.

"The main component of a Zebra Imaging hologram is 3D data. Our prints create a compelling 3D visual experience unlike anything you have seen. The development of the Autodesk 123D family of apps provides the tools for mass user generated 3D content and extends hologram creation capabilities across the globe," says Hill. "The possibilities are endless."

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AWR and Zuken Announce RF Verification Flow for PCB Design

29 January 2013

[AWR Corporation](#), a leader in high-frequency EDA software, together with [Zuken](#), a leading provider of electrical and electronic engineering software solutions, today announce AWR Connected™ for Zuken.

This RF printed circuit board (PCB) verification flow simplifies the PCB design process and therefore shortens design cycles by enabling users to quickly and easily simulate and verify embedded RF functionality. [AWR Connected for Zuken](#) provides a pathway from Zuken's [CR-8000 Design Force](#) PCB design software into AWR's Microwave Office® high-frequency simulation software.

The new interface enables an intelligent, collaborative design flow for RF design and verification on the PCB. Users now have flexibility to bring in an entire design, or select specific RF signals and other design structures to conduct electromagnetic analysis. This saves time and effort for users who work with non-intelligent conductive data formats by eliminating the need to remodel before simulating.

The solution works by extracting user-specified data from the Zuken platform, generating a 3Di file output, and then importing the 3Di data into Microwave Office for further electromagnetic (EM) simulation with any one of AWR's solutions: ACE™ automated circuit extraction, AXIEM® 3D planar EM analysis, or Analyst™ 3D finite element method (FEM) EM analysis.

For demonstrations of the AWR Connected for Zuken PCB design flow tool, stop by the AWR/National Instruments booth #707, or the Zuken booth #624 at DesignCon 2013, being held January 29-30 at the Santa Clara Convention Center, Santa Clara, CA.

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CADCAMConnect Teams Up with CAD/CAM Services to Offer Raster to Vector Conversion Services

30 January 2013

With more and more companies wanting to preserve their old paper drawings for reuse, the demand for experts in the industry who specialize in raster to vector conversion has risen.

[CAD CAM Services, Inc.](#) offers raster to vector conversion services for all types of scanned CAD files. Their team of professionals convert hard copy paper work to electronic format that makes archiving, retrieving, copying, editing, and sharing of the drawings easier. Once converted, the files can be easily imported into nearly any CAD system.

CAD CAM Services, Inc. gives companies the choice of doing both the scanning and conversions for them, or having clients download their already scanned images to a [website](#) for CAD CAM Services to convert. Their customers range from Automotive OEM's, to suppliers in Aerospace and Defense, Consumer Goods Manufacturers and Industrial Machinery Manufacturers. Their team of engineers and architects can be trained on the drafting standards of your company in order to give you the best results, while stressing accuracy of the final output.

"There are a lot of scanning and conversion services bureaus out there. We wanted to partner with a company who has a proven track record of success, and whose primary focus is scanning and conversion. CAD/CAM Services is also one of a few firms who has technicians with the United States Department of Defense Secret Clearances. Secret-level drawings can be scanned and converted using the Defense Security Service guidelines for the handling of Secret Data. This has been a huge benefit to our government clients", said Ken Wilson, CEO of CADCAMConnect.

[CAD/CAM R2V](#) provides a seamless blend of editing and conversion of architectural, mechanical and various technical drawings, maps, archive drawings, schematic diagrams photos and other types of line artwork from scanned raster files to various vector formats.

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D|C|CADD Releases Updated Utility for Autodesk Revit Software

31 January 2013

[D|C|CADD](#), an Autodesk solutions provider offering software and services to the building, infrastructure, and manufacturing communities, recently announced the release of an updated version of [D|C|Tools](#), its collection of useful utilities for Revit. The latest release works with the 2013 version of the Autodesk® Revit® software platform, and includes new and enhanced functionality. D|C|Tools is available free of charge to all members of the Revit community.

Developed by D|C|CADD, this productivity-enhancing set of tools has been specifically designed to

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increase efficiency and save users time by streamlining repetitive tasks and minimizing data entry errors.

The new version of D|C|Tools includes:

- **Renumber Almost Anything in Revit Tool.** It allows renumber by Type or Instance of Casework, Electrical Fixtures, Electrical Equipment, Floors Architectural, Furniture, Grids, Lighting Fixtures, Parking, Specialty Equipment, Structural Columns, Walls and Windows.
- **Room Renumber Tool.** This tool renumbers rooms in the order you select them. You can specify a number to start incrementing from and add prefixes and suffixes to that number.
- **Door Renumber Tool.** This tool allows you to renumber doors by selection order and by the room into which they swing. The door mark includes the room number and an appended suffix. These suffix characters can be either alpha or numeric. Also include is an option that omits the suffix if a room has only one door swinging into it.
- **Change Case Tool.** The change case tool allows you to modify the case of any text note within Revit. Text notes can be changed to all upper case, all lower case or you can capitalize every word in the note. Newly added are the options to change case to Proper Case, Sentence Case and to always capitalize or leave as lower case any text you wish.
- **Door Parameters Tool.** This tool updates the “to-room” and “from-room” parameters for every door in the project so schedules accurately reflect the latest changes to door swing orientation.

As a member of the Autodesk Developer Network, D|C|CADD is committed to supporting Autodesk customers around the world by extending the capabilities of their design tools and providing solutions that help them gain competitive advantages. D|C|Tools for Revit is available for download at www.dccadd.com/dctools or via the Autodesk Exchange App Store.

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Geomagic Releases Freeform 2013

29 January 2013

[Geomagic](#)[®] today released its newest version of Geomagic[®] Freeform[®] 3D modeling software. Geomagic Freeform is a unique, touch-enabled solution that facilitates fast 3D modeling of highly detailed, organic shapes; these shapes can then be easily combined with geometric shapes for prototyping or manufacturing. In combination with Geomagic’s Sensable[®] Phantom[®] haptic 3D input devices, Geomagic Freeform software creates a unique modeling environment in which users can intuitively navigate in true 3D and design with virtual clay as if sculpting by hand.

Once the exclusive tool of the world’s top sculptural product designers, medical implant companies and high-end jewelers, Geomagic Freeform’s new subdivision (SubD) modeling features have created a powerful and versatile mainstream modeling solution. With this release, Freeform becomes the only system to give product designers the freedom and flexibility to combine up to four different modeling approaches – voxels, subdivision surfaces, polygons and NURBS (Geomagic Freeform Plus only) – in the same manufacturable model. With the new SubD surfacing, designers reap the benefits of SubD

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modeling: more control over smooth forms, hard edges, transitional blend control, and the ability to refine the mesh to allow detailed features such as textures to be captured – all while retaining fast and precise editing of the underlying base forms.

“Freeform 2013 improves upon an already fantastic digital sculpting package with a whole slew of new features,” said Nick Whitmore, digital sculptor at Designworks Windsor Ltd., a design consultancy with offices in the United Kingdom, Hong Kong and Australia. “The new Manual Pattern Piece construction tool alone, which enables me to select a number of digital clay pieces, replicate them incredibly quickly and directly control the scale of each piece, increases my productivity in sculpting complex forms by over 200 percent! I also see a whole new world of even more productivity with the addition of subdivision modeling and the ability to combine the strengths of SubD and digital clay sculpting.”

Geomagic Freeform 2013 software also includes complex patterning tools that empower users to create patterns from existing geometry along one or two curves, or across broad areas. In seconds, designers can add details, such as zippers along a single curve or laces between two curves, to make realistic designs. The software also includes the ability to create customized bitmap files for patterning and texture creation from existing geometry.

Another new feature is the ability to easily add detailed annotations to models, so that designers, clients and manufacturing partners using Geomagic Freeform can each add pointers, comments, image links and web page links to models, thus streamlining collaboration throughout the design and production workflow. Geomagic Freeform 2013 also enhances standard tools such as 2D Lattice Deform and measurement functions. Lastly, new user-defined workflow wizards guide designers through repeatable workflows with simple, clear steps, allowing even novice users to become productive in a matter of hours.

“The Geomagic Freeform 2013 product family is the only 3D modeling solution to integrate voxels, polygons, SubD and NURBS,” said Kevin Atkins, senior product manager for Geomagic Freeform. “This means designers can be more productive in a single product, cutting out the non-productive time of importing and exporting to other packages, when the designer could be modeling. Plus, 2013 removes the frustration of learning different UIs and trying to create in only one representation – for example, NURBS designs that are better created in another representation, like voxels. Combined with the other user-driven new features, version 2013 streamlines workflows and ultimately allows our customers to get more creative and bring better products to market faster, which is really what it’s all about.”

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Geomagic Releases Geomagic Spark, a New Approach to Designing from Scan Data

29 January 2013

Geomagic® announced the release of its new 3D scan and CAD design software, Geomagic® Spark™. This new product is the only 3D software that combines a live 3D scanning interface, built on Geomagic's robust 3D point and mesh editing platform, with a comprehensive direct modeling package, built on the innovative [SpaceClaim®](#) platform. In addition, Geomagic Spark includes powerful assembly modeling and 2D drawing capabilities. The result is an intuitive and powerful product that will allow CAD experts and CAD novices alike to create models for conceptualization, prototyping, manufacturing or documentation – easily and in one complete package.

With a powerful set of tools, Geomagic Spark's direct modeling CAD environment relies on a gesture-based user interface, a simple push/pull toolset, and a familiar ribbon-based GUI. Now, users can skillfully create accurate, manufacturable solid models and assemblies using scan and CAD data in the same application within minutes, even from partial scan data. With the power of Geomagic Spark, companies in the automotive, electronics, industrial design, consumer goods, tooling and aerospace industries can accelerate product development, facilitate better communication between teams, simplify design processes, and increase reliability in scan-to-CAD operations.

"Geomagic Spark delivers a truly transformative integration of scanning and design – for every level of user," said Ping Fu, founder and CEO, Geomagic. "Combining Geomagic's scanning expertise with an innovative direct modeler allows designers and engineers to realize their creative inspiration, from basic reality capture applications, such as reverse engineering, to product design and modification. Geomagic Spark is powerful, affordable and capable of finishing a product quickly."

Geomagic Spark is built on the [SpaceClaim](#) API, allowing Geomagic's advanced scanning technology to be seamlessly integrated with the direct modeling capabilities of SpaceClaim. To model, users easily move between scanning and editing tools, and the platform also enables the integration of many third-party add-ins built for the SpaceClaim software, including CAD translators, CAE, CAM, rendering and more.

"I was impressed how quickly I was able to start using Geomagic Spark right after installation," said David O'Connor, manager of technical services at [ShapeGrabber, a manufacturer of 3D laser scanning devices](#). "The speed and ease Spark brings to the modeling process opens up whole new possibilities in the world of digitizing real-world objects."

Workflow, Features and Benefits

Geomagic Spark's integrated package begins with a live scanning interface, which currently supports Faro®, Hexagon® and Creaform® scanners, and also includes the ability to load existing scan data from other scanners. Designers can choose from a wide range of automated editing tools used to convert and edit data into a polygon mesh: sampling, noise reduction, wrap, mesh simplification and more. Within seconds, designers can transfer the mesh into the direct modeling CAD environment. Using intuitive

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solid modeling tools – like one-button extraction of curves, surfaces and solids – simplifies the process of creating solid geometry from the mesh. Users can then quickly perform a mesh-to-solid comparison and prepare interactive 2D technical drawings, annotations, dimensions and more.

Geomagic Spark natively allows users to import and export a wide range of MCAD-specific and industry-neutral (e.g., PDF and STEP) file formats, and separate data exchange modules are available for additional supported formats (e.g., CATIA and JT). This powerful combination of 3D data processing and CAD functionality ignites process efficiency in reverse engineering, production-focused manufacturing, prototyping, concept modeling, rendering and documentation. With its wide range of supported file formats, Geomagic Spark is especially well positioned to become an indispensable tool in service bureau production environments.

“At CCAT, we are very excited about the new Geomagic Spark,” said Tom Scotton of the [Connecticut Center for Advanced Technology](#), a non-profit center of excellence in advanced technology. “This one product addresses the need for intuitive and uncomplicated conversion of point cloud data scans into true feature-based solid models that include easily created GD&T and PMI data definitions.”

Geomagic Spark is available in English, German, Chinese (simple and traditional), Japanese, Italian, Spanish, Portuguese, French and Czech.

To see more information, or to receive a free trial of Geomagic Spark or other exciting new Geomagic 2013 products, please visit Geomagic at <http://geomagic.com/en/products/spark/overview>.

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Geomagic Releases Version 2013 of its Scanning and Metrology Product Lines

29 January 2013

[Geomagic](#)[®] announced the availability of the 2013 versions of Geomagic Qualify[®], Geomagic Qualify[®] Probe, Geomagic Studio[®] and Geomagic Wrap[®], which transform scan and probe data into 3D to be used in design, manufacturing and metrology applications. Geomagic’s latest software products deliver more comprehensive platforms for greater automation and user customization of 3D inspection and scanning processes, enhanced features focused on probing procedures, and streamlined workflows.

Geomagic Qualify 2013 and Geomagic Qualify Probe 2013

Geomagic Qualify 2013 expands upon an already powerful platform with more comprehensive, robust and accurate 3D metrology features and automation tools, which can be used with both scan and probe data. Geomagic Qualify Probe 2013 incorporates Geomagic Qualify 2013’s rich toolset in a probing-only measuring environment.

The 2013 releases include deeper platform access and the ability for users to write custom functionality

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– like inspection protocols, constrained alignments, CAD model access and reporting – using Python scripting. Enhanced Geometric Dimensioning and Tolerance (GD&T) probing and measurement functions include CAD-less definition of nominal geometry, improved prompts to probe test data, and a more detailed Measure Features command that delivers measured and nominal features plus deviations. The products now have more streamlined workflows designed to help customers improve inspection, produce better products, and lower operating and manufacturing costs.

In addition, the Geomagic Qualify products have been enhanced to deliver more intuitive interactivity between the engineer and the software, especially in the QuickFeature™ and QuickProbe™ toolsets. These new features make it even easier to quickly measure the size of manufactured parts while performing automated inspection and measurement in near real time on the manufacturing shop floor.

Geomagic Studio 2013

Geomagic Studio, the advanced solution for automated point cloud cleanup, mesh repair and patch functions, helps designers, engineers and manufacturers produce highly accurate 3D polygonal models from scan data. The new version of Geomagic Studio allows users to save time with increased automation, and it includes Python scripting and a command line-driven version of the software, which allows customers to create and execute customized macros and scripts without a graphical user interface, allowing commands to run faster and use less memory.

Geomagic Studio 2013 also includes the ability to capture design intent from any shape for history-based CAD platforms, an easy-to-learn interface for streamlined functionality and fast operations, and a wide array of hardware and software integration capabilities.

“Our 3D museum work at the [Idaho Virtualization Lab](#) would not be possible without Geomagic Studio at the core of our activities,” reported Herbert Maschner, director. “Geomagic is a critical part of our Democratization of Science Project as we put the Idaho Museum of Natural History’s collections online. Using Geomagic, 3D models of mammal bones, complete skeletons, fossils and artifacts are accurately and quickly created from 3D scans, and these 3D models are accessed and used by thousands of students and scholars worldwide for education and research.”

Geomagic Wrap 2013

Geomagic Wrap incorporates many of Geomagic Studio 2013’s new automation and customization features, which allow artists, archeologists, designers and filmmakers, among others, to create perfect 3D models from physical objects. With its 2013 release, Geomagic Wrap now also includes exact surfacing, using the powerful one-button AutoSurface tools. Additional new features include Repair Patches, Construct Grids and Fit Surfaces functions, and more automated, intelligent tools for visualizing and transforming point clouds into usable 3D models. For prototyping, analysis, archiving, design, visual effects and more, Geomagic Wrap is a cost-effective, user-friendly way to quickly incorporate 3D scanning into a variety of workflows.

“In a world that is increasingly moving to digital reality, where physical objects become digital and

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digital objects become physical, manufacturers need innovative scanning and inspection tools that simplify and automate these processes,” said Kevin Scofield, Geomagic’s senior product manager. “As manufacturers look to scanning and inspection as a way to get products to market faster and drive competitive advantage, Geomagic’s 2013 products are at the forefront of usability, customization, automation and highly accurate results.”

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Kenesto Launches Free Community Edition of its Social Business Collaboration Platform

29 January 2013

Kenesto Corp today announced the launch of a Free Community Edition of its platform.

With immediate availability, the zero-cost Kenesto Community edition offers teams and individual business users the same Social Business Communication, ad-hoc and fixed Workflow Processes, Project Team Organization, and Content Collaboration capabilities as the subscription-based Kenesto business packs, in a social-community environment with generous usage maximums.

Within the new Kenesto Community, individual business users can communicate with their virtual teams using real-time social and ad-hoc methods. With the new Kenesto Community being used as a central project collaboration hub, users can now engage in contextual discussions connected to every project item, share files and content, manage and execute task assignments, workflow processes and more.

“The demand for rich and comprehensive Social Business Collaboration capabilities is growing steadily,” said Michael Payne, Kenesto CEO. “With our new Kenesto Community Edition, we’re opening the door for business users to take advantage of the recognized communication, innovation and operational benefits our solution offers.”

Kenesto’s new Community edition supports 100% cloud-based file viewing, for file sharing and collaboration of documents that’s more secure than consumer-oriented file sharing tools. Kenesto also supports business forms, checklists and data tables, as well as full system search. Using Kenesto, business users can immediately increase collaboration with customers, partners and suppliers, improve marketing and sales enablement, and take advantage of Kenesto’s full history tracking for audit trails and as a knowledge base

Kenesto’s Community Edition is free of charge. Subscription-based, multi-tenant business packages are also available to support virtual teams of any size.

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Latest Version of Siemens' Fibersim Software Helps Reduce Product Development Time

31 January 2013

Enhancements in the latest release of Siemens' Fibersim™ software help industries that use composite materials in their products, reduce design and analysis time by up to 80 percent and shorten some design for manufacturing processes by up to 50 percent. Fibersim 13 is an offering of Siemens' product lifecycle management (PLM) software business unit. The Fibersim portfolio of software for composites engineering is used by numerous leading manufacturers in the aerospace, automotive, marine, and wind energy industries.

Version 13 (Fibersim 13) adds new functionality for bi-directional exchange of computer-aided engineering (CAE) and computer-aided design (CAD) data that facilitates the elimination of tedious, error prone data re-entry. The new capability directly integrates analysis data into the design environment, enabling automatic design updates based on analysis results. It also provides new design-for-manufacturing processes that support optimization for parts designed to match the manufacturing definition and then trimmed to the engineering definition.

"Manufacturing composite products requires a multi-disciplined, concurrent engineering approach where information is efficiently exchanged between disciplines during all phases of the development cycle," said Steve Luby, Senior Vice President, Specialized Engineering Software, Siemens PLM Software. "Exchanging composites information between analysis and design has historically been extremely difficult and error prone because the terminology and geometric representations used by each discipline are different. The enhancements in Fibersim 13 improve productivity by enabling engineers to import and update their CAD model from the CAE composite part representation, providing engineers with a tool to efficiently optimize designs."

Fibersim 13 also extends its integration with Siemens' Teamcenter® software to associate manufacturing datasets – such as flat patterns, laser data and automated deposition data – to the proper model revision and subsequently communicate this information to the factory floor. This delivers complete and consistent datasets to manufacturing and facilitates the fabrication of products according to the latest design.

Fibersim 13 breaks down the communication barriers between stress analysts and design engineers, which is critical to making smarter decisions that result in better products. Having the ability to easily share data between analysis and design enables engineers to achieve the optimal combination of weight, strength, stiffness, component unitization, assembly and maintenance.

Fibersim 13 will begin shipping immediately. For more detail on all the latest enhancements, please visit www.siemens.com/plm/fibersim13.

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Mentor Graphics Announces New HyperLynx Technology with Advanced 3D Channel and Trace Modeling, Superior Accuracy and Fastest Simulation Performance

30 January 2013

Mentor Graphics Corporation today announced the newest release of HyperLynx® for superior high-speed design and analysis. Key features in the new HyperLynx product release include advanced 3D channel and trace modeling, improved DDR signoff verification, and accelerated simulation performance—up to 5X faster. Engineers and designers who use the HyperLynx products during the system design process can quickly analyze potential high-speed design issues that can impact signal integrity, power integrity, and electromagnetic interference (EMI) performance. These new capabilities will improve product quality and performance by correcting problems earlier in the design process with minimized risk and greater productivity.

“In applications above 10 Gbps, insertion loss will often exceed -12 dB at the Nyquist and eyes will be completely closed. Successful designs require getting everything in the design right and building confidence in the design early in the design cycle with accurate simulations,” stated Eric Bogatin, signal integrity evangelist, Bogatin Enterprises, a wholly owned subsidiary of Teledyne-LeCroy. “The accuracy of the latest release of Mentor Graphics HyperLynx was recently validated with a 12.5 Gbps backplane design from Molex that included causal material models, copper surface texture contributions, via models, mode conversion and reflections from integrated S-parameter models of connectors.”

Advanced Channel and Trace Modeling

The new HyperLynx product decreases the amount of channel modeling that requires 3D analysis with advanced area fill-aware 2.5D planar trace extraction. When this advanced feature is enabled, the system will model variations in signal trace impedance or delays due to non-ideal planes and references (complex area fills with voids and cuts). The resulting impedance variation effects are included during time domain simulation and s-parameter model extraction.

Where necessary, the HyperLynx product also provides full 3D extraction and modeling. The designer can quickly select board areas for 3D full wave analysis, including exporting the full channel to the schematic editor for auto-port creation, assignment and simulation, tightly integrating the HyperLynx 3D EM full wave solver.

Lightning Fast Simulator

The newest release of the HyperLynx product provides fast and powerful analysis results, with an average of 5x simulation performance improvement over the previous release. Internal tests of earlier versions and the new HyperLynx product release show a significant increase in the performance of the circuit simulator, especially for large-scale batch-mode analysis with complex stimulus (for example, DDRx simulation). In addition to substantially increased performance, the upgraded simulator takes extra care to avoid accuracy problems for circuits involving short transmission lines, which are common when modeling PCB-trace meanders. Many of the non-Mentor® simulators—especially SPICE-based ones—round-up or eliminate the short delays of small routing segments based on the analysis time step, but the HyperLynx tool accurately preserves such effects, including during complex crosstalk

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simulations. Overall, especially for large boards with a significant number of delay-tuned nets, customers will see high-accuracy results in noticeably less simulation time.

Here are a few of the powerful analysis capabilities found in this new HyperLynx release:

- Pre-layout DDRx signal integrity and comprehensive cycle-based timing simulation during parametric sweeps. The HyperLynx DDRx wizard supports DDR3L and DDR3U supply levels by incorporating the required derating tables, timing models, and voltage levels, plus test-load compensation of signal launch delays using the DDRx wizard.
- Batch support of s-parameter models from the post-route environment; interconnect modeling with accurate wideband dielectric models and surface roughness • Advanced meshing for DC drop analysis to review accuracy of narrow slivers of metals within complex designs
- Accelerated simulation flow of IBIS AMI models in statistical mode with LTI equalization algorithms; this feature is based on peak distortion analysis techniques and statistical algorithms that process impulse response of the channel directly for eye diagram generation to quickly produce results for buffers with LTI equalization schemes down to very low BER
- Improvements to the advanced waveform viewer and processor, a graphical environment for displaying and analyzing large sets of simulation results that has many advanced measurements for complex waveform processing using a rich set of calculator functions. Improvements include an interactive simulation GUI that automatically plots centered eye diagrams.

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MSC Software Corporation Announces the Release of Adams 2013

29 January 2013

Building on its Adams multibody dynamics technology platform, [MSC Software Corporation](#) today announced the new release of Adams 2013. The release includes new modules for machinery dynamics analysis along with extended automotive features for ride test, leafspring generation, and powertrain modeling.

The Adams 2013 release helps mechanical engineers more accurately model systems, predict performance, and visualize results.

Key enhancements include:

Faster Performance

The HHT integrator was enhanced with a more efficient step size selection which benefits all classes of models with faster speed. Adams 2013 also provides users with the option to implement the “Adaptive Interpolation” in all integrators to improve the solver speed. The “Adaptive interpolation” approach has increased simulation speed by 4 times for a typical Rough Road ride simulation, and by 10 times for a similar Straight Flat Road test.

New Bearing Module for Machinery Designers

In the new Adams 2013 release, the Adams/Machinery solution adds a new bearing module to the existing gear, belt, and chain modules introduced in the 2012 release. The new Adams/Machinery Bearing module enables a user to select from a library of more than 24,000 off-the-shelf bearings spanning a range of 14 bearing types. The library supplies characteristic geometry values for bearings from 8 leading manufacturers. The novel modeling technique employed enables service life prediction based on widely-accepted industry standards.

Adams/Machinery is fully incorporated inside the Adams/View environment and makes analyst-level simulation practical and approachable for machinery designers. Engineers now can use multiple modeling productivity modules to create common machinery components more efficiently than with the generic Adams/View environment, while encountering a shorter learning curve. See Machine Design article: <http://www.designworldonline.com/system-level-dynamic-simulation-for-machinery-designers/>

Also included are productivity enhancements for automotive & truck engineers such as:

User-Customizable Model Browser

The model browser in Adams/View is now customizable, and is available in both Adams/View and Adams/Car. It exists in both Template Builder and Standard User Interface modes, and has User Defined Element (UDE) support. With the customizable model browser, including dynamic searching and savable filters, it is now easier to access and modify complex vehicle models.

New Leaf Spring Preprocessor in Adams/Car

Taking advantage of previously available and proven leaf spring modeling tools in Adams/Chassis, Adams 2013 implemented this new capability in Adams/Car. Also, a single leaf spring model will be fully supported, thus reducing the need for custom solutions and improving the ease of use. This new feature will benefit the CAE analysts in light and heavy truck industries.

“The 2013 leafspring editor provides vast improvements in usability and commonality across the Adams automotive solutions,” said Robert Borries, Core Vehicle Dynamics CAE engineer at Ford Motor Company.

Expanded Options for Robust Powertrain Modeling

Adams 2013 features the powertrain consolidation in both Adams/Car and Adams/Chassis. In the new release, engineers find a variety of pre-defined templates, including those for manual, automatic, CVT, and dual-clutch transmissions.

Adams/Tire with Belt Dynamics

The traditional Adams/Tire focuses on handling tests with frequencies below 15 Hz. In the new Adams 2013 release, the belt dynamics option offers validity up to 70Hz, which enables engineers to apply Adams/Tire to ride analysis with high fidelity and low computational cost.

To learn more, view the [Adams 2013 new release videos](#) or the on-demand webinar at www.mscsoftware.com

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nCode DesignLife Version 9.0 Released for Simulation

28 January 2013

nCode announced today the version 9.0 release of nCode DesignLife™. New enhancements and technologies for composites, welds, load reconstruction, multi-body dynamics, and data visualization provide unmatched capabilities for engineering durability and CAE fatigue analysis.

Composites. nCode DesignLife, named the 2012 CAE Innovation of the Year by Automotive Testing Technology International magazine for its approach to the fatigue of composites, continues to expand its technology for composites at 9.0. Thicker components such as those created by injection molding polymers containing short glass fibers can now be analyzed for fatigue by using finite element models of solid elements. Additionally, new analysis methods for full 3-D stress states and critical plane analysis allows for prediction of sub-surface failures within the part.

Welds. When structural failures occur in ground vehicles and other fabricated metal structures, welded joints are often the critical locations. With nCode DesignLife 9.0, users can now assess thicker welds commonly used in off-highway and construction machinery or other applications that require 3-D solid models prior to physical testing. The approach uses the stress integration method outlined in the ASME Boiler & Pressure Vessel Code VIII (Division 2) standard and has been made easy to use by being applicable to any arbitrary finite element mesh.

Load Reconstruction. In order to simulate product durability, it is often necessary to perform the difficult task of directly measuring the forces on a component during operation. Available at no extra cost in nCode DesignLife 9.0, users can use load reconstruction to calculate input loads based on data from both a set of physical strain gauge measurements taken across the component and the results of a unit load FEA using DesignLife's Virtual Strain Gauge capability. All supported finite element codes such as ANSYS, Abaqus and NASTRAN can be used with this approach.

Multi-Body Dynamics Data. Another method of calculating the dynamic in-service loads is by using a multi-body dynamic simulation with known inputs such as a road profile. These loads are then used as input to fatigue simulations. In order to streamline this process, nCode DesignLife 9.0 now directly reads the output data from two leading multi-body dynamics codes: MSC Software Adams™ REQ files and Altair MotionSolve® PLT files.

Visualization. A new Animation capability enables users to better understand how a structure is deforming under dynamic loading and how to improve structures to avoid fatigue failures. The linear superposition that is commonly used for calculating the fatigue damage under load can now be used to calculate the total displacement at each instant in time and this can be viewed as a full 3-D model animation. This can be shown on the base model or together with a color contour showing the locations of predicted fatigue damage.

nCode DesignLife is released as part of nCode 9.0 which provides a robust set of tools for test and CAE simulation for durability. nCode 9.0 also incorporates nCode GlyphWorks[®], a graphical test data processing software and nCode Automation[™], a scalable web-based environment for collaborative engineering test data storage, analysis and reporting. Other new features include 3-D color scatter plots using a new “XYZ Display” to visualize the relationship between 3 or more quantities, the color coding of GPS data shown on maps to indicate vehicle speed or other measurements and enhanced reporting capabilities in both desktop and web-based products.

These new capabilities available in nCode 9.0 are discussed in a series of [free webinars](#) starting February 6, 2013.

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SPRING Technologies Opens New Horizons with its “Smart Solutions” Philosophy and “NCEXPERIENCE”

1 February 2013

SPRING Technologies officially announces the implementation of its strategy based on the new NCSIMUL SOLUTIONS portfolio supporting end-to-end manufacturing processes for NC machines and its smart solutions philosophy: more integrated, smarter, more instrumented, pushing users’ experience to higher ground, not only with NC simulation tools but also in the way companies manage their NC machines and their global manufacturing process.

This vision releases innovation in production processes for discrete part manufacturers who, from now on, will be able to adapt their production cycles to the fluctuations of the economic environment, and ultimately achieve perfect real-time synchronization of their physical and virtual machining cycles. SPRING lays down a milestone along the road to the smart factory of the future.

Called the “NCEXPERIENCE”, the combination of smart solutions and an enriched user experience will enable SPRING Technologies customers to get end-to-end control of their machining process, integrating the creation of cutting tool libraries, optimized cutting conditions, simulation and optimized NC programs, plus the ability to publish the manufacturing data needed by operators in the workshop. This enables manufacturers to set up a robust, real-time digital production process that is complete, reliable, and fits the context of their business needs.

VISION, VALUE PROPOSITION and A NEW PORTFOLIO OF SOLUTIONS

Since 1980, the mission of SPRING Technologies has always been to offer its customers efficient, reliable tools to help them manage their NC tools. From developing and delivering its very first post-processors, to its groundbreaking digital workshop, via the checking of machining operations and 3D simulation of NC machine tools, the company has always been one step ahead of the market, basing its product development strategy on a value proposition: help customers win the battle of competitiveness.

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Today it is laying the cornerstone for a new era of “Smart Machining“: NCSIMUL Machine 9, its integrated realistic machining simulation module that is faster, more immersive and smarter.

Philippe Solignac, Corporate Marketing Director, looks at back at the story so far: “In the last few years, we have been working in partnership with our customers to fine-tune our NC simulation tools. The result is an extension of our range of dovetailed solutions to offer comprehensive coverage of all the processes in the production environment. By integrating the latest developments in hardware and software technology from Microsoft and Intel – ultra-mobility and calculation power – into real-time DNC and realistic virtual 3D simulation, we are now in an ideal position to step into a new era of technology. NCSIMUL SOLUTIONS addresses the needs of businesses in the 21st century.

Details of the NCSIMUL SOLUTIONS portfolio

Olivier Bellaton, General Manager, explains: “Our value proposition today, addressing the development of the industrial environment, is to deliver smart, process-oriented solutions that enable our customers to squeeze every drop of performance from their NC machine tools, in real time and for the duration. The logic remains the same: to help our customers to become more competitive. Our leitmotiv is about safeguarding their investment, improving productivity and helping to increase profit by continuously innovating in their production processes and getting full control of their NC machine. Customer relations have always been absolutely central to SPRING’s corporate culture and remain our prime focus today.”

Gilles Battier, CEO, has the last word: “We know that tomorrow... By 2020 at the latest, embedded intelligence will prevail in just about any product or service. Intelligence will be everywhere: from car tires to spectacles. Everything will integrate augmented reality functions that interact totally and in real time, between the physical world and its virtual equivalent enriched with contextual information. This means that manufacturing will have to be smarter too, capable of turning out these new generation products. We are ready to meet the challenge and have everything we need to win. An innovative portfolio based on state-of-the-art technology, thorough knowledge of our market, and the expertise of our teams, going back 30 years.”

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Synopsys' LightTools 8.0 Increases Designer Productivity with Faster Performance and Enhanced 3D Design

28 January 2013

Synopsys, Inc. today announced the availability of version 8.0 of its LightTools® illumination design software, which delivers multi-CPU support that dramatically improves the speed of lighting system simulations. With the addition of several new 3D objects, application-specific utilities and enhancements to parametric controls, this version also provides features that simplify the design of state-of-the-art lighting components.

"We've made LightTools even better with significantly faster performance as well as new and improved tools for building and visualizing illumination designs," said George Bayz, vice president and general

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manager of the Optical Solutions Group at Synopsys. "These updates help pave the way for lighting engineers to design, manufacture and deploy their products faster and more cost effectively."

Multi-CPU Support

LightTools has been enhanced with a multi-threading capability that enables illumination simulation processes to take advantage of all CPUs or cores on a computer. The multi-CPU feature can dramatically improve the speed of simulations, analyses and design optimizations.

"The multi-thread capabilities of LightTools 8.0 efficiently leverage my computer resources," said Dr. Juan Manuel Tejido, chief scientist at Haag-Streit AG. "The fast ray tracing allows me to perform rapid iterations and stay focused on my optical design. My productivity has been greatly improved with this release."

"The LightTools multi-CPU feature has yielded great results. On my latest project, simulation times with 1.5 million rays were reduced from 177 seconds to 41 seconds," said Kris Young, opto-mechanical engineer at Konstant Products. "This is more than a 4X speed improvement that enables me to run hundreds of simulations at the beginning of a project and also allows for much more complex optimizations at the end of the project."

New 3D Objects

To facilitate the creation of complex lighting components, LightTools introduces new types of 3D objects, including revolved sheets and solids, extruded sheets and solids and freeform sheets. These objects expand the range of shapes available for creating state-of-the-art illumination optics such as compact, freeform surfaces used in automotive headlights.

Source Array Utility

The LightTools Source Array Utility simplifies the construction of source arrays used for applications such as edge-lit displays and luminaires. It enables users to quickly and easily convert a given surface of a solid to an array of identical sources while requiring only a single source in the model.

Street Lighting Utility

The LightTools Street Lighting Utility provides a specialized set of tools that guides users through the process of evaluating, designing and optimizing luminance and illuminance patterns on roadways to meet industry-standard specifications. The utility has been enhanced to broaden capabilities for street lighting design. For example, users can now define a light distribution that is either Gaussian or uniform across a roadway in order to determine the type of distribution that is needed to meet roadway lighting specifications.

Improvements to Parametric Controls

Improvements to LightTools' parametric controls include convenient new ways to move and group them. These enhancements help users more easily organize and manage elements that control the geometry, position and function of each component in a LightTools model.

Enhanced Illuminance Display in the 3D Model

Additional tools are now available for visualizing the shape and orientation of a light source's illuminance distribution with respect to model geometry. This includes the ability to display true color output in the LightTools 3D Design view, as well as the ability to concurrently display illuminance results for all surface receivers in a model, making it easier to compare results.

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Vector Software Announces Integration with Reqtify Requirements Management Tool

30 January 2013

Vector Software, provider of dynamic software testing solutions for embedded systems, announced the integration of its VectorCAST integrated suite of embedded software test tools with the Reqtify requirements management and traceability tool from Dassault Systèmes.

Reqtify is an easy to use interactive tool for managing requirements, traceability, and impact analysis across the entire hardware and software development lifecycle. The Reqtify tool can capture a wide variety of data and file formats from multiple sources.

Using the VectorCAST Requirements Gateway (VectorCAST/RGW), engineers can import software requirements and associate them with VectorCAST test cases, including pass/fail results and code coverage metrics. This mapping can then be pushed back to the requirements management tool for complete traceability. Through a simple and intuitive interface, developers can quickly and easily link requirements to VectorCAST test cases

The VectorCAST / Reqtify integration permits data to flow between the Reqtify requirements management tool and the VectorCAST testing tools. The integration enables organizations to effectively manage their requirement engineering process and to ensure compliance with standards such as IEC 61508, ISO 26262, DO-178B/C, IEC 62304, and more.

“As development cycles accelerate, it is more important than ever for project teams to collaborate throughout the development process. Organizations expect requirements traceability, data analysis, and report generation to be seamlessly integrated within their development environment” said Bill McCaffrey, Chief Operating Officer at Vector Software. “The integration of Reqtify and VectorCAST provides organizations an innovative and industry-proven solution to the problem”.

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ZW3D 2013 Beta Now Available

28 January 2013

ZWSOFT, a supplier of CAD/CAM solutions to the AEC and MCAD industries, today officially announced [ZW3D 2013 Beta](#) is available. ZW3D 2013 provides features including better sketch, flexible history manager, simplified machining tools as well as a friendlier UI, which help users to streamline design workflow, improve product quality and accelerate time to market. More features will arrive with the official version release in the middle of March.

[ZW3D](#) is cost-effective CAD/CAM software for 3D modeling, mold design, and machining. In the previous version, ZW3D provided significant improvements in increased modeling efficiency, advanced CAM operations as well as the new ribbon interface. In ZW3D 2013, more enhancements have been made to improve design efficiency and user-friendliness.

Saving More than 30% Design Time

Designers can control and inquire about all of the conflicting constraint information with new control options for constraint conflicts, which makes sketching more visual and efficient. A new sheet manager has also been introduced providing an even easier drafting experience for designers. The improved history manager allows designers manage feature history, assembly constraints and drawing sheets/views properties in a more consistent way.

Simplified Workflows in Machining

In the CAM manager, engineers can freely manage all items with the fold function. Double clicking can achieve more convenient operations, and the drag and drop function makes programming more flexible. All of these improvements result in a clear and simplified workflow that greatly improves efficiency.

Moreover, ZW3D 2013 provides over 600 new features and improvements including a user friendly UI and powerful data exchange to offer a more enjoyable experience to designers. [Click here](#) to learn more about ZW3D 2013 Beta.

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