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Happy Holidays and a Healthy and Successful New Year



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Company News

Mastercam 2010 Innovator of the Future Competition Gives Teachers a Chance to Accelerate Their Students' Careers

December 2009

CNC Software Inc. announced the 2009-2010 Mastercam Innovator of the Future (IOF) national competition. This competition entices students with a real-world manufacturing challenge, celebrity judge, and a chance to win a scholarship as well as a trip to the celebrity judge's headquarters. This competition provides instructors with a motivational tool to get students excited about learning The

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CAD/CAM and the manufacturing process.

The Celebrity Judge

The 2009-2010 IOF competition will be judged by a team of celebrities from Stewart-Haas Racing. Stewart-Haas Racing is a NASCAR Sprint Cup Series team co-owned by two-time Sprint Cup champion Tony Stewart and Haas Automation. The judging team consists of Tony Stewart, owner and driver of car #14; Ryan Newman, driver of car #39; and CNC Shop Manager, Brad Harris.

The Challenge

For the 2009-2010 competition, students are challenged to design and machine a NASCAR style gear shift lever and knob. Tony Stewart, Ryan Newman, and Brad Harris will select the winner based on several criteria including innovation and creativity, accuracy, quality of machining finish, and aesthetics.

The Awards

The student who creates the winning entry will be awarded a \$1,000 scholarship to the school of their choice. In addition, the winner and their Mastercam instructor will receive an expense-paid trip to tour the Stewart-Haas Racing headquarters and machine shop in Kannapolis, North Carolina. A Mastercam IOF recognition plaque will go to both the winner and their school, and the winner's instructor will receive a limited edition Mastercam IOF polo shirt. Everyone who enters the competition receives an exclusive Mastercam IOF shirt.

Competition Rules

All entries to the Mastercam 2010 IOF competition are subject to the following requirements:

- The part must be programmed with a licensed copy of Mastercam software.
- The part must have a professional look and remain consistent with the theme industry standards.
- The part must adhere to the specifications.
- Tell us the story behind the part; the inspiration for the design, materials used, etc.
- Include photos of you holding the part, your instructor, the school lab, and the CNC machine. Electronic files are preferred.
- The entry must consist of one finished, unpainted part.
- All entries become the property of CNC Software, Inc. Parts cannot be returned. All designs become the property of Stewart-Haas Racing.
- All entries and completed entry forms must be received by March 31, 2010.
- Send entries to CNC Software, Inc., Educational Division, 5717 Wollochet Drive NW, Ste 2A, Gig Harbor, WA 98335. (Please e-mail iof@mastercam.com to let us know to expect your entry).
- While we welcome past winners to submit entries, past winners are not eligible to win the grand prize.

For more information on the 2009-2010 Mastercam Innovator of the Future competition including the entry form and part specifications, please visit www.mastercam.com/iof.

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Russian Sigma Technology Collaborates with XC Engineering of Italy

15 December 2009

Sigma Technology, international provider of the design optimization software based on high efficient IOSO optimization technology and XC Engineering, a leading engineering and software reseller company in Europe announced they have entered into collaborative distributor agreement. By this agreement XC Engineering is to be in charge of the distribution of IOSO software across Italy, France and Germany.

IOSO is multi-disciplinary design optimization software developed by Sigma Technology. It is used to improve the performance of complex large-scale systems and technological processes and to develop new materials based on what-if scenarios for arriving at optimal parameters.

About Sigma Technology

For more than 25 years Sigma Technology has developed and implemented efficient methods of improving complex technical systems. The company started by assuming that the existence of mathematical models (no matter how complete and accurate they are) and engineering applications (no matter how powerful they are) is not enough for the successful design and modification of modern engineering systems. To create competitive alternatives, it is required to integrate either mathematical models, actual prototypes or engineering applications with the engineering exploration methods inside a unified “optimization environment.” Sigma Technology has developed the technology of nonlinear multidimensional optimization — IOSO technology (Indirect Optimization on the basis of Self-Organization).

Sigma Technology is located at Electroavodskaja St., 20, Moscow, 107023, RUSSIA. Telephone: +7 (495) 788-1060. For more information, go to: <http://www.iosotech.com>.

About XC Engineering

XC Engineering is an engineering society active since 2002 in the field of process optimization and numerical simulations. XC Engineering offers its knowledge and professionalism in consulting services, in all those cases where numerical approach gives a solution to complex problems. The software distributed by XC Engineering in Italy, France, and other European countries, satisfy every analysis demand in several fields: FLOW-3D (CFD code) that gives you the possibility to model every flow in every situation, involving thermo-fluid dynamic systems, even very complex ones (multi-phase systems, multi-fluids, with fluid objects coupling); FLOW-3D Cast that is an interface to FLOW-3D, particularly dedicated for foundry users and others.

XC Engineering Srl is located at Via Matteotti, 7, Cantù (CO), 22063, ITALY. Tel/fax: +39 031 715 999. For more information, go to: <http://www.xceng.com>

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Surfware, Inc. Announces New Direct Sales Account Manager, Rick Richardson

18 December 2009

[Surfware, Inc.](#) announced that Rick Richardson has joined the Surfware Sales team as Direct Sales Account Manager. He will be responsible for generating direct sales in the Surfware Direct territories.

Rick Richardson has more than 10 years of experience in selling CAD/CAM, PLM and complementary

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products, applications and solutions. He has a track record of winning new business while growing the existing customer base. His industry experience includes electronics, aerospace/defense government, semiconductor, medical products and other manufacturing and engineering/technical sectors.

“We’re very pleased that Rick has joined our growing Surfware Direct Sales team,” says Peter Marton, Sales Managing Director of Surfware. “Rick will help us continue to build our Surfware Direct customer base, both with SURFCAM and our patented TrueMill technology. We look forward to leveraging his skills in a variety of industries that will benefit from our high quality and innovative SURFCAM software solutions. Rick’s insight and professionalism will also add value to our overall sales and marketing efforts.”

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Tony Wood Named Vice President of Marketing at TradeStone Software

21 December 2009

[TradeStone Software](#), delivering [Merchandise Lifecycle Management solutions](#) that unify the design, sourcing, ordering and delivery of private label and branded goods, today announced that Tony Wood has been named as Vice President of Marketing for the Company.

Prior to joining TradeStone, Wood served as Head of Product Marketing & Product Management at a UK-based provider of Web-based PLM, sourcing and supplier management solutions, where he was responsible for overhauling the company’s product positioning and communication of value-based messaging out to the market. In his role Wood also managed the product roadmap, working closely with customers, prospects and analysts to ensure new requirements were balanced against the company’s own business and commercial objectives.

Previously, Wood held various senior roles including EMEA Program Manager for SAS Institute’s Retail & CPG division, where he was a key contributor to the creation and marketing of the company’s Retail & Supply Chain Intelligence solutions.

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Top five SolidWorks Value Added Resellers in Sweden, Denmark, Finland, Estonia, and Latvia Merge to Become PLM Group

18 December 2009

MP Engineering AB, Solid Design House A/S, CadON Oy, SIA CadON and CadON Consulting Oü joined to become PLM Group ApS in a merger between the five leading SolidWorks value added resellers in Sweden, Denmark, Finland, Estonia and Latvia.

The move creates the region’s largest provider of product development solutions and services with more than 100 employees and a turnover of around 20 million €. PLM Group’s software solutions and services help more than 3,500 small, medium and large product development and production companies to create innovative products.

PLM Group CEO Jess G. Frandsen says:”With the formation of PLM Group we can deliver even more comprehensive services by highly skilled support teams and specialists covering all products from Dassault Systèmes SolidWorks Corporation. Customers will now have access to our collective knowledge and experience in product development and lifecycle management gained from

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implementing thousands of PLM solutions in Nordic companies.”

Ken Manoff, Vice President, Western EMEA for Dassault Systèmes SolidWorks Corporation, is very enthusiastic about the merger: "We have had a very long and successful history together with MP Engineering, Solid Design House and CadON. That is why we are very pleased to now see the natural step of the formation of the PLM Group in the Nordics.

Combining the many years of experience with technical competence across the Nordics will allow the PLM Group’s customers to continue to not only develop innovative products, but to also create some of the world’s most innovative product development processes.” The advantages gained by the formation of the PLM Group allow customers to be more competitive and productive while also lowering their internal costs. The PLM Group provides premium product lifecycle management solutions and tools combined with leading edge knowledge about product development processes to secure better and more sustainable products.

About PLM Group

PLM Group ApS provides software solutions and services for entire product lifecycle management. PLM Group customers are product development and production companies in five Nordic and Baltic countries.

Offices & Locations:

Sweden: Skellefteå, Västerås, Karlstad, Stockholm, Norrköping, Göteborg, Värnamo, Malmö

Denmark: Roskilde, Århus

Finland: Turku, Tampere, Espoo

Estonia: Tallinn

Latvia: Riga

Visit: <http://www.plmgroup.se>, <http://www.plmgroup.dk>, <http://www.plmgroup.fi>,
<http://www.plmgroup.ee>, <http://www.plmgroup.lv>

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Events News

‘Avatar’ Director James Cameron Headlines SolidWorks World 2010

21 December 2009

A machinist, a truck driver, and then a winner of 11 Oscars, Hollywood filmmaker James Cameron is now a featured special guest at [SolidWorks World 2010](#), taking place Jan. 31 through Feb. 3 in Anaheim, Calif.

Cameron’s films, including Titanic, Aliens, and the Terminator franchise, have amassed over \$3 billion in box office receipts. Not every tinseltown luminary could inspire an audience of 4,000-plus

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[SolidWorks® software](#) users, but Cameron is an innovator's innovator. As part of his Hollywood resume, he has invented a plethora of technology for exploring the depth of the seas and outer space, including Mars.

Cameron's films have blazed new trails in visual effects and set numerous performance records. Among Cameron's inventions:

Filming, lighting, and robotic equipment for use in the extreme pressures of the deep;

A 3D digital camera system to enable shooting of 2D and 3D film versions in parallel; and

Mini fiber-spooling remotely operated vehicles (ROVs) for deep sea use.

The making of Cameron's new 3D feature film "[Avatar](#)," a science fiction epic set in the virgin ecosystem of a distant planet, has required more than two years of new production technology development. Innovations include image-based facial performance capture, a real-time virtual camera for computer-generated production, and the SIMULCAM system, all of which help weave computer-generated characters into live-action scenes. These techniques are combined with stereoscopic photography to create a hybrid CG/live-action film.

Cameron's appearance will be one of many rich learning, networking, and entertainment opportunities at SolidWorks World 2010. Attendees will present more than 150 in-depth training sessions with an unprecedented number of popular hands-on sessions. More than 100 SolidWorks-designed products will be on display in more than 6,000 square feet of space within the Partner Pavilion exhibition hall. More than 100 partners will demonstrate technology products that complement SolidWorks software, and there will be dedicated time for birds-of-a-feather networking.

SolidWorks World provides a tremendous opportunity for users to network and share best practices. Nearly the entire DS SolidWorks R&D staff will be on site to talk to attendees, learn about their experiences, and demonstrate interesting projects. As always, the general sessions will stimulate and entertain. The sessions will include a sneak preview of SolidWorks 2011 software and presentations from DS SolidWorks CEO Jeff Ray, Dassault Systèmes President and CEO Bernard Charlès, and DS SolidWorks Co-Founder and Group Executive Jon Hirschtick.

There are numerous ways to follow SolidWorks World 2010:

DS SolidWorks Blog – SolidWorks World 2010 topics	http://blogs.solidworks.com/solidworksblog/solidworks_world/
DS SolidWorks on Twitter	http://twitter.com/solidworks
SolidWorks World 2010 account on Twitter	http://twitter.com/solidworksworld
SolidWorks World 2010	http://search.twitter.com/search?q=%23SWW10

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hashtag (#Sww10)	
DS SolidWorks on Flickr	http://www.flickr.com/photos/solidworks
SolidWorks World 2010 Flickr group	http://www.flickr.com/groups/sww10/
DS SolidWorks on YouTube	http://www.youtube.com/solidworks
SolidWorks World 2010 YouTube group	http://www.youtube.com/sww2010
SolidWorks World blogger & Twitter feed	http://www.solidworks.com/swworld/2589_ENU_HTML.htm

Also, Chris McAndrew of the 3D Engr blog will be SolidWorks' first official Internet Correspondent. He tweets at <http://twitter.com/Cbmcandrew> and will be blogging about SolidWorks World 2010 on the main SolidWorks blog <http://blogs.solidworks.com/solidworksblog/>.

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Cyon Research Announces COFES Russia Seminar in Partnership with LEDAS

17 December 2009

Cyon Research Corporation announced that its first COFES Russia Seminar will be held September 14, 2010 in Moscow, Russia. The event will bring together the community of engineering software vendors, developers, resellers, analysts, and users for private and public discussion in a relaxed and informal—but intense—atmosphere. The COFES Russia Seminar will be a part of isicad-2010 forum organized by LEDAS Ltd. <http://cofes.com/Russia> and <http://isicad.ru/2010>

COFES has historically focused on creating an environment where the strength of our community takes precedence over our individual needs to sell, and where c-level executives can openly discuss the important issues facing business today. COFES Russia Seminar will bring together senior executives from firms in manufacturing, construction, and design to discuss innovation in the face of the current economic situation both globally and within Russia and the CIS.

Isicad, the biennial forum organized by LEDAS Ltd., is a recognizable brand for the Russian IT-community. Isicad-2010 is the fourth event in the line and will take place in Moscow in September 14,

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2010 under the theme “CAD and PLM as tools of innovative economics”.

“Partnership with Cyon Research for the COFES Russia Seminar gives us a unique opportunity to take advantage of Cyon Research’s outstanding research and apply it to the Russian CAD/PLM market as a part and tool of an innovative economy,” explained David Levin, CEO and founder, LEDAS Ltd. “I expect participation of many leading companies, including Autodesk, Dassault Systemes, and ASCON who have already become partners of our Moscow events.”

Alexander Tasev, Regional Sales Director, Autodesk Russia and CIS, said: “Autodesk is known as an active participant and sponsor of COFES conferences in Arizona, USA. The COFES events remarkably contribute to the determining and refinement of the priorities and direction of CAD technology, industry, and business. I believe that closer contacts of COFES - Cyon Research and the Russian market with its huge potential will be very useful for all involved participants.”

Cyon Research welcomes all top managers and experts from leading providers in the fields of BIM/CAD/CAE/DP/PLM, top managers from Russia manufacturing, construction and industrial organizations, in addition to analysts, media, and representatives from academia and government.

The COFES Russia Seminar is an invitation-only event. For more information on the forum, and how to obtain an invitation, please visit <http://apply.cofes.com> (English) and <http://isicad.ru/ru/2010/request/> (Russian).

Cyon Research has been bringing the unique vision of COFES to a select group of international venues where the event can trigger a leap forward for the industry. This COFES Russia Seminar follows in the footsteps of the annual COFES events, held since 1999 in Scottsdale, Arizona; the 2006 COFES India Summit; and is a precursor to the December 2010 COFES Israel Forum <http://cofes.com/Israel>.

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Cyon Research Announces Keynote Speakers for COFES 2010

15 December 2009

Cyon Research Corporation, host of the Congress on the Future of Engineering Software (COFES), announced that Omid Moghadam and Bo Burlingham will keynote COFES 2010.

COFES is the annual by-invitation-only gathering of the leadership from the community of vendors, users, press, and analysts from the domain of software for design and engineering.

Geomagic Corporation is sponsoring Bo Burlingham’s keynote: “Got Mojo?” Burlingham, editor-at-large of Inc. Magazine and chairman of the Small Giants Community (<http://www.smallgiants.org>), is a brilliant commentator on the nature of business and how it can be harmonious with the pursuit of greatness.

"Burlingham's message is particularly relevant to the software entrepreneurs in the COFES audience," says COFES co-founder and visionary Joel Orr. "Understanding the relative benefits and disadvantages of size is powerful."

Burlingham’s book, *Small Giants: Companies That Choose To Be Great Instead of Big* was a finalist for the 2006 Financial Times/Goldman Sachs Business Book of the Year award. According to Cyon Research president & CEO Brad Holtz, Burlingham’s most recent book, co-authored with Norm Brodsky, *The Knack: How Street-Smart Entrepreneurs Learn to Handle Whatever Comes Up*, “...is a must read for any current or prospective entrepreneur.”

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In addition to *Small Giants* and *The Knack*, Burlingham co-authored two books with Jack Stack, the pioneer of open-book management. One of the books, *The Great Game of Business*, has sold more than 300,000 copies. The other, *A Stake in the Outcome*, has been called “the first management classic of the new millennium.

Omid Moghadam’s keynote: “From Product Informatics to Bio-Informatics” will discuss how software vendors from design and engineering fields have a disruptive opportunity in bioinformatics.

According to Moghadam, “...modest successes in developing software for biological modeling have never made it to the market, since any company that was able to show success has promptly transformed itself into a drug discovery firm, instead of becoming a software tools provider to the industry. This is akin to a company with a CAD/CAM package deciding to turn itself into an airframe manufacturer.”

As an inventor (he holds 32 patents) and leader straddling both the engineering and healthcare domains, Moghadam is in a unique position to address the applicability of the resources of the engineering software community to the developing needs of the explosively growing field of Bioinformatics and Genomics.

Omid Moghadam is the chair of the National Development Board for the Ignite Institute for Individual Health and recently joined Harvard Medical School’s Center for Biomedical Informatics. Moghadam is perhaps best known for his work at Intel as head of product strategy. During his tenure at Intel, Moghadam led the team responsible for Intel’s push into 3D graphics. His experience at COFES provided much of the proof point for his team which eventually resulted in the definition of what became project Alamere, which evolved into Intel’s new Larrabee chip (due to launch in 2010). Later, still at Intel, Moghadam led Intel’s entrance into electronic health records and genomics industries. Later on, he founded Dossia Corporation, a national network for consumer-controlled personal health records.

About COFES

COFES 2010, the 11th annual COFES will take place April 15-18 in Scottsdale, Arizona. COFES is the one annual event that brings together executives from engineering, design, development, architecture, and technology companies to discuss and explore engineering technology and its effects on business and the future. COFES offers unparalleled opportunities for in-depth and open discussion among industry participants without distraction. Information about COFES can be found at <http://cofes.com>.

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Delcam Donates £100,000 in Training to UK Users

21 December 2009

Delcam has donated over £100,000 to its UK customers in the form of free training vouchers given to all attendees at its latest series of user meetings. The meetings were held in Bolton, Hampshire and at the company’s Birmingham headquarters, with the Birmingham meeting proving so popular that a second day had to be added to cope with the high demand. Overall, more than 300 customers registered for the meetings.

Commenting on the offer of free training, Delcam UK General Manager Steve Creron said, “We realise that many of our customers have had a difficult time over the last twelve months so we wanted to do something to show how much we appreciate their loyalty. At the same time, we have introduced many new enhancements to our software recently and felt it was important to encourage our users to have the extra training they need to make the most of these new features.”

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Delegates to the meetings had their first opportunity to see the new release of Delcam's PowerSHAPE CAD software. The 2010 version incorporates greatly enhanced solid modelling capabilities, alongside the surface modelling capabilities developed over more than 30 years. The combination of the two technologies provides a powerful solution for designers that undertake conceptual design with PowerSHAPE and for toolmakers that use imported data extensively for tooling design.

Another highlight was the new release of the PowerMILL CAM system, which offers the fastest-ever toolpath generation on multi-processor computers, giving greatly increased user productivity. This incorporates the latest background-processing and multi-threading technologies and so uses the full power of recent hardware developments to reduce calculation times and increase output dramatically. Other enhancements to further improve productivity include reduced memory usage when programming the largest and most complex parts, and improved ordering to give faster cycle times on the machine tool.

Delegates were also shown enhancements across the complete range of functionality in the 2010 release of the FeatureCAM feature-based machining system. Like the latest PowerMILL release, this incorporates support for multi-threading when generating 3D toolpaths. A number of innovative new programming options were demonstrated, including combined drilling and milling functionality that allows more efficient hole creation on machines fitted with automatic tool changing. This generates roughing and finishing toolpaths to produce any holes for which the appropriate drill is not loaded, using the existing tooling within the machine's crib.

The sessions were completed with demonstrations of the 2010 version of the PowerINSPECT inspection software, which offers even easier inspection of parts, tooling and prototypes against CAD data. Enhancements include easier creation and editing of inspection sequences, extended 'simple measures' functionality, an improved and simplified GD&T Wizard and more flexible simulation of the inspection sequence.

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Delcam to Show Solid Doctor for Data Repair at SolidWorks World

22 December 2009

Delcam will show SolidWorks users its latest software for the repair of CAD models, the Solid Doctor, at the [SolidWorks World 2010](#) exhibition to be held in Anaheim, California, from 31st January to 3rd February. Solid Doctor will be available as part of the new releases of Delcam's PowerSHAPE CAD software and the CopyCAD Pro reverse engineering program.

The incorporation of the same kernel used in SolidWorks, together with Delcam's existing tools, allows the Solid Doctor to read in and repair models from all sources, including IGES and native CATIA files, and output a file that can be read directly into SolidWorks. To read more about the costs of data transfer and learn how Solid Doctor can help solve these problems, download the white paper from <http://www.delcam.tv/PS2010/Downloads/PowerSHAPE2010.pdf>. A video showing how the Solid Doctor works can be viewed at <http://www.delcam.tv/soliddoctor>.

With the Solid Doctor, SolidWorks users will be able to tackle all the common problems that can be found when translating low precision and incomplete data, including gaps and overlaps between surfaces, or duplicated and missing surfaces, and generate a valid, high-precision model.

The Solid Doctor uses a combination of automatic data repair tools and surface creation and editing

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options available within PowerSHAPE. This combination means that simple repairs can be carried out quickly and easily, while more complex problems can be overcome by deleting and replacing the existing surfaces within the model.

The first stage in using the Solid Doctor is to analyse the model, to determine the extent of any inconsistency issues in topology or geometry when the data is examined with high levels of precision. Solid Doctor divides these issues into separate categories and labels the model. For each category or class of inconsistency, Solid Doctor recommends the most appropriate course of action, including a possible automatic fix.

The user then applies the automated repair sequence. These automated tools are typically different for each class of inconsistency, as experience has shown that what is effective in one case does not necessarily work for another. Each corrected issue has its label changed from red to green as it is repaired. The repairs can be inspected individually to ensure that the results are as required or the whole model can be checked again to highlight any further inconsistencies.

The second repair stage involves using Delcam's unique trim region editing tools to correct larger issues that require manual repair by a skilled user, such as mismatches between the edges of the various surfaces within the model. These include direct editing options for the trim boundaries, which allow very quick and flexible adjustment of the surface edges to overcome errors in the model.

For the more serious problems that remain, it will usually be necessary to generate replacement surfaces in the affected area. This can be done easily using PowerSHAPE's Smart Surfacing technology. The user simply deletes the existing surfaces and sketches around the area to be repaired. PowerSHAPE will then analyse the boundary and suggest the most appropriate type of surface to fill the space. Tangency can be maintained with the surrounding surfaces if required. If the user is not happy with the initial selection made by the software, he can run through alternative solutions until he is satisfied with the result.

Once the user is happy with the quality of the repaired surfaces, they are incorporated automatically back into the model. This process continues until all the inconsistencies have been resolved. By giving the user total control over how the part is repaired, even very poor quality or badly damaged data can be repaired quickly and efficiently.

Despite the many improvements made in data translation in recent years, it still remains a multi-million dollar problem for manufacturers that need to pass CAD data up and down a supply chain. Delcam's Solid Doctor will provide a quick and easy solution to this problem and so allow faster and more efficient new product development.

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47th Design Automation Conference (DAC) Extends Speakers Bureau Deadline

21 December 2009

The [Design Automation Conference \(DAC\)](#), the conference devoted to electronic design and design automation (EDA), has extended the deadline for submissions to the Speakers' Bureau to January 13, 2010. The DAC Speakers Bureau will act as a resource center from which the DAC Executive Committee can contact industry experts and thought leaders for participation in invited sessions, panels, and other speaking opportunities at the 47th DAC in the Anaheim Convention Center, in Anaheim, California, from June 13-18, 2010.

DAC invites third-party nominations and self-nominations for interesting and experienced speakers in all areas of EDA, including:

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- Analog/Mixed-Signal and RF
- Beyond Die-Integration and Package/Hybrid/Board Design
- Circuit Simulation and Interconnect Analysis
- Embedded HW Design and Applications
- Embedded SW Tools and Design
- FPGA Design Tools and Applications
- High-Level Synthesis
- Logic Synthesis and Circuit Optimization
- New or Emerging or Specialized Design Technologies
- Physical Design and Manufacturability
- Power Analysis and Low-Power Design
- Signal Integrity and Design Reliability
- System-Level Communication and Networks on Chip
- System-Level Design and Co-Design
- Testing
- Timing Analysis and Design for Manufacturability
- Verification

Nominations can be made at

http://www.mpassociates.com/easysubmit/DACSpeakers_Bureau_submit.html. Third-party nominations, highlighting prior presentations by the nominated speaker that generated substantial audience interest, will be especially appreciated.

“In the course of evaluating a variety of sessions for the technical program, DAC Executive Committee members often find that they need a reservoir of experienced and well-regarded speakers from which to draw,” said Greg Spirakis, Panel Chair, 47th DAC Executive Committee. “Rather than simply relying on our collective memory, we look forward to having access to a bureau of information on speakers with a wide range of technical, company, and speaking experience.”

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Financial News

Aspen Technology Announces Financial Results for the First-Quarter Fiscal Year 2010

21 December 2009

- Filing of 10-Q brings company current with SEC filing requirements
- Reports its first quarter under the new aspenONE subscription-based licensing model

Aspen Technology, Inc. announced its financial results for its first quarter of fiscal 2010, ended September 30, 2009.

Mark Fusco, Chief Executive Officer of AspenTech, said, “We are very pleased to have completed the process of bringing the company’s financial statements current. As a result of our progress, we are continuing with our plan to begin the process of seeking a relisting of our common stock on a major U.S. stock exchange during the first calendar quarter of 2010.”

Fusco added, “The first quarter of fiscal 2010 was a milestone for the company as we launched our new aspenONE licensing model. As previously discussed, while our customers have entered into multi-year term contracts for many years, the ratable revenue recognition associated with the new licensing model will initially result in significantly lower reported revenue and large operating losses, as a much smaller portion of the company’s license bookings are recognized on an up-front basis. From a long-term perspective, we expect our financial performance to ultimately exceed that which would have been possible under our previous commercial model. During and after this multi-year transition process, we remain focused on increasing our total calculated term license contract value, which was more than \$1.1 billion at the end of the first quarter on a gross basis.”

For the quarter ended September 30, 2009, AspenTech reported total revenue of \$39.8 million, a decrease compared to \$86.4 million in the first quarter of the prior year due primarily to the ratable revenue recognition characteristics associated with the company’s new aspenONE licensing model. With the launch of and focus on the company’s new aspenONE licensing model, AspenTech has expanded the number of revenue categories that it will report, as follows:

Subscription revenue includes all revenue associated with the company’s new aspenONE licensing model. Subscription revenue was approximately \$25,000 in the first quarter of fiscal 2010. The new aspenONE licensing model was launched during the quarter and associated revenue is recognized on a daily basis over the course of the multi-year contract. Subscription revenue recognition begins when the first payment is due, which is typically 30 days after the contractual agreement is signed. The majority of the first quarter subscription bookings were closed in the final month of the quarter and the associated revenue will begin to be recognized in the second quarter of fiscal 2010.

Software revenue includes all non-subscription-based license revenue, including term-based contracts for specifically defined sets of products or point products as well as perpetual licenses. Software revenue was \$11.1 million in the first quarter of fiscal 2010, compared to \$49.6 million in the year ago period when license bookings were predominantly recognized on an up-front basis. The year ago period also benefitted from a net \$15M of software revenue related to prior period license bookings.

Services & other revenue includes professional services, maintenance and other revenue, and is reported on a similar basis as compared to prior reporting periods. Services and other revenue was \$28.7 million

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in the first quarter of fiscal 2010, a decrease compared to \$36.8 million in the year ago period. The year-over-year decline consisted mainly of professional services and training revenue, a result of the more challenging economic environment compared to the year ago period.

For the quarter ended September 30, 2009, AspenTech reported a loss from operations of \$24.8 million due primarily to the ratable revenue recognition treatment associated with the company's new aspenONE licensing model. For the quarter ended September 30, 2008, the company reported income from operations of \$18.3 million. Net loss was \$21.1 million in the first quarter of fiscal 2010, leading to net loss per diluted share of \$0.23, compared to net income per diluted share of \$0.12 in the same period last year.

AspenTech had a cash balance as of September 30, 2009 of \$109 million, which compared to \$122 million at the end of the fourth quarter of fiscal 2009. The company did not sell any installments receivable to raise cash during the first quarter of fiscal 2010 and it continued to reduce its secured borrowings balance, which was \$108.8 million at the end of the quarter, down \$3.3 million compared to the end of the fourth quarter of fiscal 2009.

Conference Call and Webcast

AspenTech will host a conference call and webcast, December 21, at 8:00 a.m. (Eastern Time), to discuss the Company's financial results for the first quarter of fiscal 2010. The live dial-in number is (877) 245-0126, conference ID code 47703559. Interested parties may also listen to a live webcast of the call by logging on to the Investor Relations section of AspenTech's website, <http://www.aspentech.com/corporate/investor.cfm>, and clicking on the "webcast" link. A replay of the call will be archived on AspenTech's website and will also be available via telephone at (800) 642-1687 or (706) 645-9291, conference ID code 47703559 through December 28, 2009.

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Implementation Investments

Think3 and GE Lighting India Work Closely to Design the Latter's Products on Fixtures

23 December 2009

Think3 announced its success story with GE Lighting India. GE Lighting, a division of GE Consumer and Industrial, provides state-of-the-art technology, ranging from incandescent to speciality products. It has been GE's vision ever since its inception in 1878 to meet the highest levels of international standards in products and processes. Team India takes this initiative one step further with the establishment of LTDC (Light Technology & Design Center) at Bangalore. The tech center focuses on new design of lighting fixtures, with its state of art testing facility to test newly developed fixtures, and today its one stop solution to all the lighting requirements of Indian market. To design its product on fixtures GE Lighting opted for ThinkDesign Styling and have designed indoor and outdoor lighting products on ThinkDesign.

"LTDC has SOLID EDGE as its main design platform. In addition to this think3's ThinkDesign is used in new concepts with intricate surface features. GE Lighting decided to go with ThinkDesign because think3's CAD solution has benefits of both parametric and feature based software's. ThinkDesign Styling is really handy while initial modeling and also while editing in later part of design stages" quotes Mr. Maruti and Mr. Nitin, GE LTDC Design Team.

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“GE Lighting is one of our oldest customers in India and we are happy that the client has found ThinkDesign Styling quite useful while designing its products. We look forward for more such associations with our customers and delight them with think3’s innovative CAD and PLM technology” states Mr. Vignesh Kumar Padmanabhan - Head Sales South Asia at think3.

GE Lighting used ThinkDesign Styling to design ORANE, GLITRA, STEALTH and OPTYLANE products. Think3’s CAD solution enabled optimum management of all steps in the modification of surfaces. ThinkDesign Styling offers an innovative approach to design. With its Target Driven Design, it frees users from the technological constraints of traditional design systems. ThinkDesign Styling’s capabilities include tools such as Global Shape Modeling, capping, blending curves and blending shapes, associative global sweep, as well as dynamic morphing, automotive grid and rendering. The designer would save 70-80% of his design time on design Iterations and Modifications. This is the speed at which ThinkDesign works for its advanced GSM technology.

Think3’s Global Shape Modeling (GSM³) provides designers with a very high level of technological innovation ensuring ease of use. Currently, this is the only creation and modification tool that enables users to make changes in a quick and accurate way in any stage of the design process, accelerating interactions with unlimited creativity and eliminating the need of rebuilding models.

ORANE is basically an outdoor city beautification product with its unique shape compared to its existing competitor’s products, it stands out from the crowd. *“Using ThinkDesign was very helpful in modeling initial concept models”* states Mr. Maruti and Mr. Nitin.

GLITRA belongs to ORANE family, but is outdoor wall mount city beautification product. Initial concept models have been designed using ThinkDesign and the aesthetic look is impressive.

STEALTH is an indoor commercial fixture for office interior. This product has been designed and detailed completely on ThinkDesign.

OPTYLANE is mid range outdoor street lighting system. The design of this product has been carried out on ThinkDesign, even detailed drawings have been made using ThinkDesign. *“This project was a very good exercise to explore the capabilities of the software”* quotes Design Team, GE Lighting.

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Product News

CNC Software, Inc. Unveils Mastercam® X4 for SolidWorks®

December 2009

CNC Software, Inc. introduced Mastercam X4 for SolidWorks, a fully integrated CAM application that runs seamlessly in SolidWorks. SolidWorks users can now program their parts directly within SolidWorks using Mastercam’s toolpaths and machining strategies.

Mastercam for SolidWorks provides a full suite of cutting strategies, including Feature Based Machining (FBM) and 3D High Speed Machining (HSM) toolpaths. Mastercam for SolidWorks also delivers a powerful set of automated cleanup toolpaths, letting the user to get parts off the machine faster and with little or no handwork.

Mastercam for SolidWorks offers many benefits to both the Mastercam and SolidWorks communities alike. It relies on familiar, shop-tested parameter screens and processes, and presents a machining tree

that provides quick access to any point in the machining process.

In addition to conventional 2D programming such as pocketing and contouring, Mastercam for SolidWorks offers a range of high power machining functions:

- Dynamic Milling creates a constantly adapting toolpath that delivers more consistent cutting conditions and allows use of the entire tool flute length.
- High Speed Machining can deliver a faster turnaround and a superior finish.
- Peel Milling assures efficient constant climb milling between two selected contours or along a single contour. When cutting hardened material, the peel mill toolpath allows you to use the full flute depth of the cutter and avoid taking many shallow cuts.

There are many more toolpaths in Mastercam for SolidWorks. For more information, please visit

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



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Delcam Releases PartMaker 2010 for Latest Machine Tools

21 December 2009

Delcam has released PartMaker 2010, the latest version of its dedicated software for programming turn-mill centres and Swiss-type lathes. This latest release incorporates a number of new features and enhancements that will allow users to program faster, make more complex parts and take advantage of the latest developments in machine tool technology.

“Version 2010 will provide every PartMaker user with an immediate productivity improvement,” states Delcam’s PartMaker Division President, Hanan Fishman. “Plugging into Delcam’s development staff, the largest in the CAM industry, has facilitated the incredible leap in technology included in the software.”

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

Five-axis simultaneous milling for multi-axis lathes

PartMaker 2010 offers an optional module to perform simultaneous five-axis swarf milling on multi-axis lathes. Swarf machining is a technique that allows side cutting with an end-mill while proceeding along the surface of a part, such as the sidewalls of a tapered rib. The benefits of five-axis simultaneous swarf machining over traditional three-axis milling strategies include significantly reduced machining time and improved surface finish. Employing swarfing can allow parts to be machined complete in a single set-up by allowing for more advanced de-burring techniques, thus eliminating time consuming and laborious additional finishing.

PartMaker and PowerMILL integration

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

directly from that working environment. This integrated solution of two market leading technologies assures users they will never be limited in their ability to program and optimize parts in the most efficient and powerful way possible.

More powerful milling strategies

PartMaker 2010 features a number of more advanced 2½ axis milling routines, including a variety of high-speed machining strategies, trochoidal milling, rest-area machining, face milling and a more powerful pocketing strategy among others. These additional milling strategies are also based on PowerMILL technology and have been adapted to work inside PartMaker in an efficient and easy-to-use manner.

Additionally, the software's chamfering ability is much improved, allowing users to automatically chamfer or round any edge with a single mouse click. This functionality is critical for completely finishing parts on multi-axis lathes and eliminating costly secondary operations. The new version also features new, highly sophisticated functionality for thread milling as well as automated face milling.

Improved thread whirling programming and simulation

PartMaker Version 2010 includes an improved facility for programming and simulation of thread whirling, a technique often used in the machining of "bone-screw" threads and other specialty threads commonly found on surgical implants. The popularity of thread whirling attachments on Swiss-type lathes has grown substantially in recent years because of the dual benefit this technique offers. Specifically, thread whirling allows threaded products to be produced faster because it only requires a single pass, where as traditional threading routines require multiple passes to achieve the same result. Additionally, with the rigidity afforded by a sliding-headstock Swiss-lathe, thread whirling can also provide higher and more repeatable precision.

PartMaker Version 2010 includes specially developed algorithms and user interface to automate the programming of this unique manufacturing technique. Additionally, 3D simulation fully simulates machining with a thread whirling attachment, an important option as these attachments can generally be quite large inside the working envelope of a machine and thus provide additional risk of collision during machining.

Additional Productivity Enhancements

PartMaker Version 2010 includes a number of user requested productivity enhancements. Among these improvements are: enhanced grooving functionality, powerful and flexible threading capability, improved solids-based programming and additional CAD functionality. Additionally, 2D toolpath selection has been improved from previous versions to measurably speed up programming time. Also, a number of improvements have been made to the software's Tool Database.

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IMSI/Design Launches DoubleCAD XT Pro v2 in Same Calendar Year

21 December 2009

Just in time for the holidays, IMSI/Design announced it is releasing DoubleCAD™ XT Pro v2.

Of merit, Version 2 is being released in the same calendar year as Version 1 due to a rapid development pace.

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"We continue to pour through customer feedback and AutoCAD user groups' wish lists to include features we know AutoCAD users are anxious for," stated Royal Farros, CEO of IMSI/Design. "There's no doubt DoubleCAD XT Pro is an appreciated alternative to AutoCAD LT... and a great choice for AutoCAD users just looking for optimized 2D CAD."

Based on IMSI/Design's CAD code with over two million copies sold worldwide, DoubleCAD XT Pro v2 works like AutoCAD LT but goes beyond with a host of new features and enhancements, including:

- Drawing Compare: Instantly compare two DoubleCAD (.2CD), .DWG, .TCW, .JPG, .BMP, or .PNG drawings for all visual differences.

- Hatch Pattern Creator: Easily create, modify, and combine custom hatch patterns with control over scaling, orientation, and position. Also includes automatic detection of repeating patterns.

- Exploding Viewports: Convert visible geometry in your viewports into flattened, editable 2D geometry within your layouts, even hidden line views. Your shaded views are also converted into standard bitmaps.

- New and Enhanced 2D CAD Tools: Includes Revision Cloud, Chain Polyline, Bisector Line, Minimal Distance Line, Select By Query, Transform Recorder, Surface Area Measurement, Double Point Arc tools, and more.

- New and Enhanced Intelligent (Parametric) Architectural Objects: Includes more wall, window, door, slab, rail, and profile styles and new section and elevation tools.

- Xref support includes VISRETAIN settings and binding.

- Mid-point and pattern constraints.

- Terrain import and modify.

- Enhanced ESC key, Space Bar, and Enter Key for seamless AutoCAD usability.

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- Enhanced .DWG compatibility.
- Enhanced .DAE (COLLADA) compatibility.
- Index Color and CTB print style support.
- Batch file conversion tool for multiple file conversions.

Additionally, DoubleCAD XT Pro v2 can be customized and extended via a new Software Developers Kit (SDK), allowing one to create tools, scripts, and even commercial applications that can run with DoubleCAD XT Pro.

About DoubleCAD XT PRO v2

DoubleCAD™ XT Pro is an AutoCAD LT work-alike that goes beyond AutoCAD LT in terms of 2D CAD capabilities, especially in the area of drafting and detailing. Most significantly, DoubleCAD XT Pro includes a Drafting Palette that expedites the drafting-to-detailing process by creating fully associative, 2D views and hatched sections (even from xrefs) from 3D models. Other unique features include geometric and pattern constraints (lightning-fast "what if" design scenarios), drawing compare, hatch pattern creator, a range of intelligent (parametric) architectural objects, design director, and parametric parts manager, as well as self-healing walls, self-aligning blocks, advanced handle-based editing, snap prioritization, transparent fills, draw order by layer, hide objects regardless of layer, ability to imbed image files, revision cloud, batch file conversion, smart dimensions, and viewport exploding. DoubleCAD XT Pro also has a number of useful 2D CAD tools not found in AutoCAD LT or AutoCAD, including special line, arc, and circle tools, as well as multiline, bezier curves, fixed ratio ellipses, and bisector line tools. The product has a fully customizable interface and includes one of the widest varieties of file filters in the CAD industry, including support for .DWG (AutoCAD R14 to 2009), .SKP, .DAE (Collada), .SAT, .3DS, .OBJ, .IGS, .STEP, and more. DoubleCAD XT Pro includes premium customer support and is \$695 (\$195 for upgrade from v1). For more information, visit <http://www.DoubleCAD.com>. Visit user forums at <http://forums.DoubleCAD.com>.

About DoubleCAD XT

DoubleCAD™ XT is a free AutoCAD LT work-alike that also contains many new features such as self-healing walls, self-aligning blocks, modern handle-based editing, snap prioritization, brush editor, and smart dimensions. DoubleCAD XT is free for commercial and personal use and was awarded 5-stars from the CNET review editors (CNET's highest rating). For more information, visit <http://www.DoubleCAD.com>. Visit user forums at <http://forums.DoubleCAD.com>.

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Santa and His Elves Deliver Release of Tech Soft 3D's HOOPS® v18.0

22 December 2009

Twass the night before Christmas and all through the world,

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Developers were sleeping; snug in bed they were curled.
Their computers dark from a final unplugging,
After hours spent coding and fixing, debugging.

Tossing and turning, tho' their rest was much needed,
Dreaming their letters to Santa would this year be heeded.
What software would lay wrapped 'neath the tree?
Please Santa, thought they, make it HOOPS version18!

When up on the roof, a soft landing was heard,
A sleigh parked with the soft sound of a bird.
Santa whistled and looked at his landing device,
(His new SantaSafe app made delivery so nice).

"High performing, ho ho, and so visually rich!
GPU Shaders!" Santa boomed, "working without a hitch.
Plus out-of-core point clouds for my scanned excursions,
And a new OpenGL2 Driver -- oh what a version!"

So happy was Santa with the test of HOOPS beta,
He proclaimed, "Tis no better way to render your data!"
He filled up the stockings and the trees made aglitter,
With this gift from Tech Soft (who can be followed on Twitter).

Come morning, the developers clicked "download now" with glee,
Praised the performance, the rendering, the improved static tree.
"Happy Hanukkah, Joyful Kwanzaa, Merry Christmas," Santa yelled,
"With HOOPS Version18 many apps you shall sell!"

Peek inside the Package

Want to take a look at all the goodies wrapped up in HOOPS v18? Check out the feature video on YouTube: http://www.youtube.com/watch?v=6A_-vysEpSc

Follow on Twitter

<http://www.twitter.com/TechSoft3D>

About the Tech Soft 3D Elves

Tech Soft 3D (TS3D) handcrafts component technologies and provides related services that make all little software developers' dreams come true. The company's flagship HOOPS® technology has been incorporated into nearly 200 commercial software applications. The elven workforce, sensitive about being called one-toy wonders, are quick to remind the world that they also resell premium components such as Autodesk's RealDWG® Toolkit, Adobe 3D OEM Platform, Adobe's APEX® OEM, the Parasolid® Kernel Modeler from Siemens PLM, and Spatial's 3D InterOp translation toolkits. The company shifted corporate headquarters from the North Pole to Berkeley, California, and there they will stay until something is finally done about the spying reindeer! They can be reached through <http://www.techsoft3d.com>.

Looking for the Other Press Release?

In case you have a taste for the mundane press releases that tend to accompany new product versions, we have one on our website just for you. View it here:

http://www.techsoft3d.com/company/press/pr_hoops18a.html.

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So What Did 2009 Bring for Schott Systeme?

December 2009

After investing considerable time in porting Pictures by PC across to Microsoft Vista in late 2008, we launched the Pictures by PC 3.4 32 and 64 bit versions for Windows Vista, and more recently Windows 7. This development subsequently provided us with an opportunity to introduce parallel processing, making use of multiple core processors during CAM toolpath calculations. With speed improvements of up to 60%, combined with many other new CAM related features, 2009 represented a big step forward for those companies involved in machining.

The year also saw major new enhancements made to our hybrid mesh, surface and solid modelling suite. With customers having to handle ever more complex 3D models, these new features are now helping to make both the creation and modification of intricate 3D data far easier and considerably quicker.

As part of our 'Business Graphics' module used for the generation of product technical documentation, 2009 has seen the implementation of the 3D PDF format. Integrated into our linked PDF projects, this is now providing customers with the ability to convert entire project information, including 3D designs, into a single portable document. Interestingly this field of graphics and documentation also sees the launch of our visual Stereo output, ideal for interactive product presentations.

Most importantly, we do appreciate that 2009 was an extremely difficult year for all involved in design and manufacturing. This is why we are proud to retain our 12 year price freeze, in addition to still offering free support with no maintenance charges, which should alone aid our customers in remaining profitable.

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Tech Soft 3D Announces the Release of HOOPS® v18.0

22 December 2009

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Leading graphics toolkit provider Tech Soft 3D (TS3D) announced the availability of HOOPS v18.0, featuring enhancements driven by its extensive customer base of over 200 engineering software companies.

“The new features in HOOPS v18 were chosen by listening carefully to our customers’ needs and using our experience to anticipate the future of the graphics industry,” said Gavin Bridgeman, Director of Product Management for Tech Soft 3D. “This gave us the insight to provide cutting-edge functionality in three pivotal areas: enhanced shader capabilities, improved rendering performance, and expanded point cloud functionality.”

View a video demonstration http://www.youtube.com/watch?v=6A_-vysEpSc that highlights some of the latest capabilities of HOOPS.

About HOOPS

HOOPS is a high-performance graphics framework used within applications from engineering software companies such as Autodesk®, Solidworks®, PTC®, MSC.Software, ANSYS®/Fluent, COADE, Siemens PLM Software, Mitutoyo, IronCAD and over 200 others. By leveraging the set of HOOPS libraries, software teams develop high-performance, visually-rich applications and get those applications to market quickly and cost-effectively.

To find out more about HOOPS and the industries it serves visit:
<http://www.techsoft3d.com/products/hoops.html>

Highlights of HOOPS v18.0 include:

- Significantly enhanced shader capabilities with a particular focus on shadowing and ambient occlusion, including new shaders for bloom and depth of field effects. With HOOPS v18, developers now have the ability to hook up their own custom GLSL/HLSL shaders. Visual quality is rapidly becoming a key way for engineering software applications to differentiate themselves from the competition. Exposing some of these shader-based capabilities will dramatically improve the look of your application.
- Rendering performance gains through broad improvements to our fixed framerate, static tree and segment-level display list. End users have an insatiable appetite for applications to smoothly interact with larger and larger models. These new capabilities in HOOPS help your graphics performance keep up with your users’ expectations, as well as the competition.
- Expanded point cloud capabilities including a preview of our new out-of-core point cloud system, which allows pre-processing, rendering and interacting with models containing billions of points on even a low-end 32-bit desktop.

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