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CIMdata News

CIMdata Commentary: RuleStream Standards Based Engineering (SBE) for Requirements Management

29 September 2008

Common Requirements Challenges

All organizations produce myriad information about their products. However, transforming that information into accessible knowledge is difficult. In product development, understanding how a

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product is intended to function and how to apply that understanding to create an appropriate product is knowledge; and capturing, managing, and reusing that knowledge effectively is a competitive advantage. The history of the design process is embodied in CAD models. However, this history doesn't convey all of the knowledge about how or why the product was created in a specific way or what requirements such as specifications, standards or regulations drove that development.

Requirements play a critical role in product development today. The reach of requirements extends from conceptual ideas that are based on customer needs to the techniques used to create a product on the shop floor. A hierarchy of interrelated requirements, or requirements that define a next level of requirements, exists and must be maintained and managed. It is critical to the product development process that companies know what requirements drive the design, assure that those requirements have actually been incorporated into the design, and understand what impact design changes have on requirements and vice versa. To do this successfully, requirements and their relationships to the design and to each other must be managed and made available to all participants in the product development who need to make decisions based upon them.

RuleStream's Standards Based Approach to Requirements

RuleStream's Standards Based Engineering solution, when integrated into a PLM environment, provides an infrastructure that extends existing systems of record (e.g., PLM data managers) for storing requirements and facilitating their use throughout the product design process. RuleStream's standards-based requirements management approach captures, manages and reuses corporate intellectual property, best practices and lessons learned to help automate complex engineering processes.

RuleStream's database of requirements forms a repository of best practices, while offering a detailed representation of individual requirements. A feedback loop solution ensures that requirements are continuously refined, updated, and applied throughout the product development process and that a manufacturer's standards are adhered to in the intended manner.

By capturing standards as engineers execute the product development process, they are automatically made accessible to be applied to new designs. A validation process creates a comprehensive series of compliance/ and assessment reports to ensure designs are in concert with best practices and defined requirements.

Generating a requirements model based on a database of best practices allows requirements to be effectively linked to other related requirements and data models. RuleStream allows subject matter experts to create and maintain a database of generic requirements. The system can automatically assess requirements within the context of a specific program based on data from a PLM system through trace links that are defined by designers.

Using RuleStream's SBE solution, manufacturers can capture the knowledge that is an inherent part of all design activities in order to help them:

- Capture and reuse the organization's intellectual property or knowledge from previous design efforts
- Assure that product requirements are fulfilled
- Reduce design and manufacturing errors
- Improve product quality
- Ensure adherence to internal, industry and regulatory standards

RuleStream Value for Requirements Management

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RuleStream's SBE solution provides a bridge between past product development efforts and future designs. By capturing intellectual value from product development, RuleStream provides that knowledge to product designers in a form that can be adapted and reused.

For program-driven manufacturers, RuleStream ensures that design work is done in compliance with requirements and corporate standards, offering early warning detection when standards and requirements are not met, even earlier than product simulation. RuleStream's approach facilitates Six Sigma and Lean Manufacturing methodologies across all engineering disciplines.

Program startup times are reduced because domain experts can define and maintain a single super-set of generic requirements, including rules about the requirements and their applicability. These rules and requirements can be automatically applied to any specific new program and automatically compute applicability based on program and context data.

RuleStream manages requirement assessment and compliance through a bidirectional link to a company's existing PLM system, providing a centralized, uniform way to manage requirements validation throughout and across programs.

A number of benefits derive from the use of a solution like RuleStream's:

- Designers, systems engineers, and others involved in product development have a tool they can use to manage the complex requirements and constraints required by customers, regulators, and others.
- The solution allows rules to be developed so that requirements are applied to designs in valid ways.
- New designs can be accomplished more quickly, since designers can work faster without having to worry that they are violating customer and other requirements.
- Intellectual property is captured and preserved so that companies have a base of knowledge that supports rapid development and allows time for innovation.
- Product quality is improved by design and quality stops in manufacturing are avoided.

It is CIMdata's opinion that RuleStream's SBE solution for requirements management, when combined with a robust PLM solution, enhances, complements, and extends the overall product development process beyond the capabilities of current PLM solutions. This synergistic approach provides a strong platform upon which companies can manage and assure the use of product requirements, thus helping streamline product development efforts.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. Visit <http://www.CIMdata.com> for more information.

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CIMdata Publishes a New Review of MSC Software's SimEnterprise Program

2 October 2008

CIMdata, the leading global Product Lifecycle Management (PLM) consulting and research firm

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publishes a new review of MSC Software's SimEnterprise program. The paper entitled "MSC SimEnterprise: Providing Simulation to the Enterprise" describes MSC Software's (MSC) overall program for managing and working with complex engineering analyses and their results within a PLM environment. It provides an overall description of the Enterprise Simulation Management (ESM) market as well as CIMdata's assessment of the entire SimEnterprise program including its components. In addition, it includes comments and assessments from two SimEnterprise users who provide further insight into the value of SimEnterprise.

CIMdata Senior Consultant John MacKrell noted that for many years, the area of simulation and analysis has been largely ignored in terms of its integration into the broader enterprise. It has generally been treated as something of a "black hole" within the overall product development organization. Simulation investments typically have not focused on linking simulation more effectively into the broader enterprise.

"Today, however, new approaches are being developed and implemented in companies worldwide that much more effectively integrate simulation activities into the enterprise and enable the capture and reuse of knowledge gained in this critical area—knowledge that is generally lost in most companies." explained Mr. MacKrell.

As ESM has become more important to industrial companies, suppliers of technologies and services have worked diligently to provide solutions to the market. Currently, several companies are providing a variety of solutions that fit within the framework of ESM. MSC, in particular, is targeting broad-based offerings.

MSC has developed a set of solutions, called SimEnterprise, that support management of the engineering analysis process within product design. The solutions are intended to help companies expand access to analysis information for people who are not analysts, allowing them to make more informed product design decisions. Another theme of SimEnterprise is that it helps analysis specialists create reusable templates that can then be leveraged by engineers who are not analysis specialists, allowing much earlier evaluations of design viability.

Mr. MacKrell added, "ESM is a relatively new market opportunity and the solutions are evolving rapidly. Solutions released over the past year have been impressive, and even more substantial solutions will become available over the coming months and years as industry gains more experience and ESM matures."

Copies of "MSC SimEnterprise: Providing Simulation to the Enterprise" are available [here](#) at no cost.

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CIMdata Releases a White Paper on the Value of Unified Architectures for PLM

3 October 2008

CIMdata releases a new white paper on the topic of Unified Architectures for PLM. This white paper, entitled "The Value of Unifies Architectures for PLM" presents the challenges that companies are currently facing, defines a unified PLM architecture approach and describes the benefits that it can deliver. It also includes a discussion of the factors companies should consider in evaluating if they should transition to a unified architecture, and examines approaches to the transition. This paper is not a review of any specific architecture. Instead it is intended to provide an overview of such architectures,

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their potential value, and issues to consider in making a transition decision.

Mr. Ken Amann, CIMdata Director of Research, explained that enterprises today must maximize the use of all their financial and human resources to create environments that enable them to deliver competitive products and services in a timely manner. "These companies," Mr. Amann said, "must also focus intensively on better ways of running their operations to ensure that they produce these innovative products cost-effectively with high quality." In order to achieve these goals, he added, they have increasingly turned to PLM strategies and solutions as critical initiatives for their business success.

As PLM environments have expanded to cover more and more of the complete product lifecycle, the complexity and cost of supporting those environments have continued to rise. Simplifying the PLM environment while providing more information and capabilities to the individual worker, is an important factor in the overall success of PLM programs.

"Unified PLM architectures can provide a major step forward in creating and sustaining more flexible, productive PLM environments," noted Mr. Amann. They address many of the issues of integrating the diverse set of applications and functions required across the full product lifecycle. Unified PLM architectures deliver many of the required functions and processes through a common set of services, providing a common data model and database and a consistent user interface across the included modules, and reducing or eliminating redundant data entry and transformation within the supported modules.

Mr. Amann cautioned that while unified PLM architectures can provide significant benefits, they do not encompass every application and function needed by an enterprise to address the complete product lifecycle. Additional integration of selected applications will still be required. A unified architecture however, provides a foundation upon which these additional applications can be built, integrated, and delivered and this can reduce the cost of maintaining the overall PLM environment. "We believe that companies should evaluate the use of solutions based on unified architectures as part of their PLM strategies," added Mr. Amann.

Copies of "The Value of Unified Architectures for PLM" are available [here](#) at no cost.

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Company News

Autodesk Student Engineering and Design Community is Redesigned and Reaches Record Number of Members

29 September 2008

Autodesk has redesigned its Student Engineering and Design Community website with a new look and feel that is more closely aligned with other popular social networking sites frequented by students. The enhanced Student Community offers several new features and benefits to more than 350,000 students and educators.

"Having access to free software in the Autodesk Student Community is crucial for future professional designers," said Roland Cernat, winner of the Industrial Design category of the Student Design Challenge and the Sustainable Design Grand Prize. "The broad range of programs available in the community gives me the opportunity to easily try out and choose the programs that best match my needs. As an industrial design student I use Autodesk AliasStudio software, and while learning the

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curriculum, the community was the primary place I went to get help, stay up-to-date and much more. The community has been vital in giving me the right tools and guidance to be prepared for the requirements of my future job."

In addition to a new look and feel, the redesign introduces the following member benefits:

- More community interaction, similar to Facebook social networking, profile sharing, blogging and news feeds
- A Career Hidden List Center that includes job search technology, employer profiles, and career advice
- Community TV, which allows users to showcase their work and increase awareness for the Student Community on the Google-YouTube network
- Directed learning path to guide members through the design process and use of design software
- Community RSS newsfeed
- Easier access with a new widget that faculty can post on their school's intranet site allowing their students one-click access
- A more robust search tool

"We developed a large portion of the redesign and new features based on our members' input. We created the Student Community to provide students with the vital tools and information they need to learn the design process and be successful in their careers. Educators benefit by having access to our software, curriculum and faculty-only forum and discussion groups," said Paul Mailhot, director of worldwide education programs at Autodesk. "This redesign comes on the heels of many recent milestones for Autodesk Education, including the global "Build Something" student design contest, the launch of the China Student Community, and the release of our new Autodesk VEX Robotics curriculum."

Since September 2006, the Autodesk Student Engineering and Design Community has attracted members from more than 16,600 schools in 137 countries, Over 350,000 members have downloaded approximately 650,000 copies of Autodesk's 3D design software solutions.

Partner Offers Student Editions of Software

Software partner RISA Technologies is joining the initiative by providing the next generation of design and engineering professionals with student editions of their products free of charge.

When members visit the Learning and Tutorials section of the online community, they can find software and related learning tools. For example, RISA Technologies offers free student versions of RISA-3D and RISAFloor structural engineering software applications for analysis and design.

About Autodesk Education

Autodesk supports schools and institutions of higher learning worldwide through substantial discounts, subscriptions, grant programs, training, curricula development and community resources. For more information, visit <http://www.autodesk.com/education>.

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Magma Realigns Organization for Enhanced Focus On Key Technology Segments and Improved

Financial Profile

2 October 2008

[Magma Design Automation Inc.](#) announced it is restructuring certain aspects of the company's operations, resulting in reduced costs and focus on key product areas.

On Oct. 1, 2008, company management approved implementation of the next phase of a plan initiated in May 2008 to restructure its operations, a plan that includes reduction of its workforce. The restructuring plan is the result of Magma's efforts to improve its cost structure, better align its resources with business opportunities and improve operating efficiencies. In connection with this phase of the restructuring, Magma expects to record a one-time charge during the second quarter of fiscal 2009 ranging from \$2.5 million to \$3.5 million. The majority of these charges will include personnel-related costs, including severance benefits and other costs, and represent cash expenditures expected to be paid during the second quarter of fiscal 2009.

"We updated financial guidance during our August 28, 2008 earnings call that was intended to de-risk our revenue forecast, and the decisions we're making now are intended to adjust expenses to be consistent with current revenue expectations and to restore profitability on a non-GAAP basis by our fiscal year end," said Magma President and Chief Operating Officer Roy E. Jewell. "These changes put our focus on product areas that stand to drive our greatest growth."

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Si2 Announces Release of Common Power Format Version 1.1

23 September 2008

The Silicon Integration Initiative (Si2) announced release of the Common Power Format (CPF) Version 1.1, incorporating major enhancements to the widely adopted low-power intent format. CPF 1.1 was approved by the Low Power Coalition (LPC).

Ameesh Desai, Si2 Board Chair and Senior Director of Design Tools and Methodology at LSI said, "I am pleased with the rapid progress of the CPF. Efficient power utilization has become a primary need for electronic products worldwide. The efforts by Si2's LPC coalition members are enabling the industry to implement low-power semiconductors that reduce costs and risks and development times."

The CPF standard reduces this risk by extending the industry's RTL-GDSII design infrastructure to support low power design techniques in a safe and efficient manner. In a little over a year the LPC has taken the next step to broaden the applicability to an even larger set of designs and methodologies with CPF 1.1.

CPF is a Tcl-based format used to capture the power intent of a design. CPF complements the RTL and/or netlist description of the design allowing existing golden RTL blocks to be used without modification. CPF has achieved wide acceptance in EDA tools in end-user tool flows, and enjoys a record of numerous completed chip tape-outs with subsequent testimonials, and adoption into leading foundry reference flows.

The extensions in CPF 1.1 further expand support for bottom-up and top-down hierarchical flows and enable the integration, reuse and verification of internal and 3rd party developed power aware IP. Power intent for multiple IP blocks from multiple sources can be integrated together with appropriate resolution of power domains, power modes and power related rules. In addition, CPF 1.1 supports sophisticated

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macro modeling of hard IP such as embedded memories with complex power structures. This enables implementation and verification of the IP's power behaviors in the design context.

CPF 1.1 expands the number of power domain operating states to include reversed biased and forward biased states. This enables the support of additional sophisticated power minimization techniques that are becoming more common in low power designs. CPF 1.1 improves the modeling of transitions between power modes which enables in-depth verification to ensure that the design can successfully enter and exit each operating mode, preventing a common source of failure in low power designs. CPF 1.1 also provides a new general model to describe power requirements for special low power cells such as state retention, isolation, "always-on" cells. This improves designer productivity by further automating implementation and verification of the design power intent.

Gill Watt, CAD Manager at AMD, and chair of the LPC said, "The LPC members recognize that the marketplace is demanding more power efficient designs for both mobile and wired products. CPF 1.1 contains major enhancements to extend its applicability to new design styles and methodologies. These enhancements provide greater flexibility particularly for designs that re-use IP from multiple sources. This flexibility is expected to expand the use of power-aware techniques from specialized power-critical designs into widespread practices used in all mainstream designs, allowing LPC member companies to provide more power efficient products to the marketplace."

CPF 1.1 is available for download at: <http://www.si2.org/?page=811>.

Background

The CPF standard was approved and made publicly available in March of 2007. CPF is supported by many adoption aids and tools, all available from Si2: a CPF tutorial (in both English and Mandarin), a CPF Parser software, the CPF Pocket Guide, a LPC Glossary. A CPF Relational Analyzer is available to LPC members. CPF is supported not only by the Low Power Coalition, but also the Power Forward Initiative, <http://www.powerforward.org>.

For further information on the Low Power Coalition, see <http://www.si2.org/?page=726>.

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SolidProfessor Releases Update Training 2009 for SolidWorks Services

19 September 2008

[SolidProfessor](#), a SolidWorks Solution Partner, announced the release of Update Training 2009 for SolidWorks. Update Training 2009 is a self-paced multimedia course created to help designers get the most out of their SolidWorks upgrade which includes more than 260 customer-driven enhancements. Some of the many topics covered in Update Training 2009 include General Enhancements, Sketching, Parts, Features, Assemblies, Drawings, Detailing, Sheet Metal, and Weldments.

Jason Wright, Product Manager for SolidProfessor comments, "With so many enhancements in each release of SolidWorks, our Update Training course helps users get up to speed quickly on the new features to get the most out of their upgrades." Dave Ptak, President of SolidProfessor remarks, "The 2009 Release marks the fifth year we've produced this Update Training course. I'm pleased our resellers are making this course available to their customers to improve the upgrade transition."

Update Training 2009 can be loaded into the current SolidProfessor Learning Management System which runs as a SolidWorks add-in and as a standalone application. The SolidProfessor content library

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includes SolidWorks courses from beginner through advanced, as well as training for SolidWorks Simulation, Routing, Advanced Surfacing, CSWP/CSWA Exam Preparation, SolidWorks PDM, PhotoWorks, CAMWorks, SolidCAM, and more.

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Surfware Announces Redesigned, Updated Website

30 September 2008

Surfware, Inc. announced that its website (<http://www.surfware.com>) has received a total makeover, updating the design to provide more in-depth information and make it simpler and more intuitive for browsing, as well as more interactive in operation.

Among the site's new features:

- Detailed Product Information featuring the upcoming release of SURFCAM Velocity 4.
- New Support, Training, Services, Business Partners and Customers sections.
- Updated TrueMill information including a history of how TrueMill was invented and who its principal inventors are.
- Updated company information.
- A "New" section with highlights of the latest news.
- Updated Events, Press Releases and Articles sections.
- Updated tech tips for SURFCAM users.
- Updated Surfware Reseller map.
- And more!

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Tacton Adds Former IBM Executive as North America Sales Executive

29 September 2008

[Tacton Systems](#) has signed David Goldstein, a former executive at IBM Americas, to join Tacton as "North America Sales Executive". He is based in New York and will have responsibility for sales in the US and Canada.

David Goldstein is an addition to Tacton's operations in North America, to further develop Tacton's regional growth and to support customers and partners. At IBM David was a Certified Sales Professional with over 25 Hundred Percent Clubs and Golden Circle to his credit. Among his many and varied assignments, he was a sales instructor, sales manager, and software channels executive. When IBM began its growth into e-Commerce, David was the second hire to the Worldwide e-Commerce Sales Team. In that role, he drove ISV and reseller partnerships from Canada to Brazil. He particularly helped Tacton establish sales success of the Tacton Configurator with reseller partners.

In his last position with IBM, he was part of the Global ISV Sales Team and received a Vice President's award for his sales leadership.

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University, Technical College, and High School Students Are Invited to Submit Projects Displaying Their Creativity and Skill in Applying Design and Engineering Principles

24 September 2008

Bentley Systems' BE Careers Network announced the opening of its 2009 BE Awards student design competition – an integral part of Bentley's annual BE Awards of Excellence program honoring the extraordinary work of its users. University, technical college, and high school students are invited to submit projects they've designed using Bentley software, along with a short essay describing their work. The judging will focus on creativity and skill in applying design and engineering principles. The program welcomes both individual and team efforts, but teams cannot exceed three members. All submissions must be received by Feb. 20, 2009. Bentley will award a \$1,000 scholarship to the winning individual or team in each of the five submission categories.

University and technical college students can submit projects in one of three categories: Architectural Design, Computational Design Using GenerativeComponents, and Engineering. In each of these categories students must make clear the project's problem, intent, and solution, and support the design models with architectural or engineering drawings using any of the applications in Bentley's comprehensive portfolio of software for the lifecycle of infrastructure. High school students can participate in the Design a Sports Arena of the Future category using MicroStation PowerDraft XM Edition. The fifth category, Animation and Freeform/Artistic Expression, is open to all academic levels and requires students to take their projects from concept to completion using Bentley software.

The winning projects will be recognized at BE Conference 2009, which takes place next May in Charlotte, N.C. In addition to the \$1,000 scholarship, winners will receive an award trophy and can select 10 seats of Bentley software – from the more than 50 products available through the academic subscription – for use by their schools. Project submissions will be judged by a distinguished panel of educational leaders and industry professionals from around the world.

For more information on the submission process or to fill out a submission form, visit <http://www.bentley.com/AcademicBEAwards>. To view the 2008 jury process, please visit <http://www.bentley.com/2008JuryVideo>.

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Virage Logic Announces Promotion of Dr. Alex Shubat to CEO, Chairman and Former CEO Dan McCranie Becomes Executive Chairman

2 October 2008

Virage Logic Corporation announced the promotion of Alex Shubat, Ph.D., 46, ([bio](#)) from chief operating officer (COO) to president and chief executive officer (CEO), and the appointment of J. Daniel McCranie, 64, from chairman to executive chairman. Dr. Shubat takes over his new responsibilities from Mr. McCranie who, in addition to serving as chairman, also served as president and CEO. These two key executive management appointments will facilitate the next phase of the company's product, market and economic transformation.

Dr. Shubat, a Virage Logic co-founder, has been responsible for leading the company's innovation and technology development since its inception in 1996. In his most recent role, Dr. Shubat served as COO,

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where he led the company's strategic initiative to always be first-to-market with next generation products by focusing on both organic and in-organic product line expansion and operational excellence. Prior to his role as COO, Dr. Shubat served as the company's vice president of research and development (R&D) and chief technical officer (CTO) where he was instrumental in leading the nearly 300 person technical staff to conceive, develop and deliver the highly differentiated advanced technology solutions for which Virage Logic has become known.

Concurrent with the promotion of Dr. Shubat to president and CEO, Mr. McCranie has been appointed executive chairman of the board. In that capacity, Mr. McCranie will continue to lead both the company's demand creation efforts and overall strategic direction, including merger and acquisition activities.

"In the seven quarters that I have had the pleasure to serve as CEO, we have made significant progress in transforming Virage Logic from a highly specialized semiconductor IP supplier to that of a broad-line supplier of highly differentiated standard product semiconductor IP," stated Mr. McCranie. "Today, our standard product portfolio encompasses embedded memory compilers, logic libraries, DDR memory interface and non-volatile memory solutions, as well as memory development software, embedded test and repair solutions, and semiconductor die yield enhancement tools. Our strong year-over-year revenue and earnings growth metrics are a clear reflection of our past efforts and resulting success in our transformation. For those results, I am proud and appreciative of the efforts of our talented employees, and I am especially proud of the innovation, tenacity and strong management direction provided by Alex during this entire period. It is with great confidence that I relinquish the CEO role to this very capable executive."

Mr. McCranie concluded, "It's important for all of our employees, our customers and our stakeholders to realize that we are in the early phases of transforming this company. Over the past year and a half, we have made good progress in building the infrastructure needed to drive a scalable and profitable business. In addition, we have now put in place an extremely capable executive team with the drive and experience needed for our future success. For the next phase of our growth, we need to execute on several critical initiatives. Amongst those initiatives are product line expansion, increased penetration at major IDMs and semiconductor foundries, and significant improvement in our overall demand creation efforts. I have committed to the company and to our board of directors that I will personally drive these three initiatives as well as the continual monitoring of our performance against the company's traditional revenue, earnings and balance sheet objectives."

"I would like to personally thank Dan for his relentless drive to lead the transformation of the company as he took the CEO office in 2007," said Dr. Shubat. "Under his direction, Virage Logic has recaptured its leadership position in the Physical IP market, significantly expanded its product portfolio through both organic and inorganic growth, and put in place the robust processes and infrastructure that provide the foundation for a scalable business and for continued growth."

Dr. Shubat concluded, "In a recent press release, we re-affirmed guidance on our revenue and earnings for the quarter ending September 30, 2008, and this solid financial performance is the result of the company's efforts over the past seven quarters. During this time, we have assembled an exceptional executive management team and together, we look forward to working with Dan in his new role and our dedicated employees to execute on the initiatives that will drive the next phase of Virage Logic's transformation."



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Events News

Accept Announces “Open for Innovation” Webinar Series

30 September 2008

Accept announced that it is hosting “Open for Innovation,” a webinar series featuring prominent innovation experts. This Accept webinar series provides insight and practical recommendations on how to leverage social media, tap the collective wisdom of online communities and systematically transform the best ideas into successful products and services.

To register for any webinar or to listen to past events in the series, visit http://www.acceptsoftware.com/news_events/webinars.html. The calendar of upcoming topics and speakers will be updated regularly and includes:

The Three Essentials of a Practical Open Innovation Framework

Presenter: Andres Jordan, Vice President of Innovation at Deutsche Telekom North America, Inc.

When: October 15, 2008, 10:00 a.m. – 11:00 a.m. PT

Recognized as one of today’s most savvy open innovation transformation leaders, Andres Jordan’s knowledge extends well beyond the boundaries of his industry. In this one-hour, interview-style webinar, attendees will have the opportunity to hear from, and interact with, Mr. Jordan on practical ways to create a successful open innovation framework in their own companies.

Keys to Thriving in Today’s New Open Innovation Landscape

Presenter: Henry Chesbrough, Adjunct Professor, Executive Director, Center for Open Innovation, Haas School of Business, University of California, Berkeley

When: October 29, 2008, 10:00 a.m. – 11:00 a.m. PT

Henry Chesbrough is an advocate of open innovation. He currently leads the Center for Open Innovation at Berkeley’s Haas School of Business, and has authored two books on the topic; *Open Innovation: The New Imperative for Creating and Profiting from Technology*, and *Open Business Models: How to Thrive in the New Innovation Landscape*. In this webinar he will share his insight about how companies are managing intellectually property differently in order to capture value from their communities and innovate more openly.

Tapping the Collective Wisdom of Affinity Communities for Competitive Advantage

Presenter: James Surowiecki, author of *The Wisdom of Crowds* and regular contributor to *The New Yorker*

When: December 10, 2008, 10:00 a.m. – 11:00 a.m. PT

James Surowiecki is the foremost authority on how to harness the collective wisdom of affinity communities for competitive advantage. In this webinar he will discuss systematic ways that organizations can improve their return on innovation by gathering and aggregating community intelligence in order to arrive at superior decisions—often better than those that individuals would make.

Profit from Open Innovation

(Archived Webinar)

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Presenter: Don Tapscott, author of Wikinomics

No company today can innovate fast enough or big enough by itself. Collaboration externally with customers and partners, and internally across geographic and organizational boundaries, is a must. Web communities, social media monitoring, ideagoras, co-creation, prosumer models—they're all part of the new innovator's toolkit. In this one-hour webinar, learn how new open innovation models are changing everything—and how you can thrive from this sea change. Learn how you can tap into this rapidly expanding stream of dialog and collaboration to open up a whole new world of innovation.

Turn Social Media into an Innovation Opportunity

(Archived Webinar)

Presenter: Josh Bernoff, co-author of Groundswell

Your customers are writing about your company in the millions of blogs, forums, and affinity communities exploding across the Web—rating your products, re-defining your brand, even engaging with your competitors. Learn how to turn this social media “groundswell” into an innovation opportunity.

About Accept

Accept is the expert in on-demand innovation management solutions. Products include Accept Ideas, Accept Portfolio and Accept Requirements. Accept customers include Intuit, Fidelity, BEA Systems, Cadence Design Systems, TeleAtlas, and Hewlett-Packard. For more information, visit <http://www.acceptsoftware.com>.

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ANSYS to Highlight the Power of Simulation at the Energy Industry's Premiere Conference

1 October 2008

ANSYS, Inc. announced the preliminary agenda for its Engineering Simulation Energy Conference (ESEC). Keynote and technical presentations will offer leading-edge applications focused on solving complex, real-world problems. Providing a unique forum for the application of engineering simulation technology specific to the energy industry, ESEC is scheduled for November 11 and 12, 2008, in Houston, Texas, U.S.A. The event is the successor to the International Oil and Gas CFD conference (IOCC) held in London in 2006. Due to the IOCC's success, ESEC is planned to be far broader, covering the whole of the energy industry — oil and gas, production and processing, and renewable energy including wind, wave and solar — and to include a far wider technical focus, with applications and technologies representing the entire multiphysics spectrum of engineering simulation.

Today, the challenges faced in extracting oil and gas are growing, since conventional reserves have been tapped and the industry is increasingly seeking petroleum and natural gas sources from more extreme locations, such as ultra-deep water or tar sands. In exploring challenges related to the scale-up of renewables, such as solar, wind and tidal power, the issues include increasing development costs or project planning. And above all else, the need to protect the environment, to minimize emissions and to lower the carbon footprint of any and all energy sources is paramount. Collectively, these trends signify that the benefits of applying engineering simulation to meet the diverse challenges in the energy sector have never been greater.

The ESEC program for day one features speakers and thought-leaders from pioneering organizations in

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the global energy industry.

Among the keynote presenters are:

Mark Peters of Gulf Publishing, which sponsors events and publishes information dedicated to the energy sector (including Hydrocarbon Processing), on the state of the industry, trends and opportunities;

Washington Geraldelli of major Brazilian oil producer PETROBRAS (CENPES) highlighting refining and processing;

Roberto Ruiz of the process burners group at leading industrial combustion technology company;

John Zink speaking on pollution control and combustion systems;

Grant Bromhal from NETL in the U.S. Department of Energy speaking on carbon sequestration;

Scott Parent at GE Gasification, one of the world's leading providers of both gasification and power generation technologies, discussing renewable energy;

Roger Basu from marine standards developer American Bureau of Shipping on engineering challenges in sea keeping;

and Jim Cashman, president and CEO of ANSYS, Inc. presenting on innovation in energy and the role of engineering simulation.

Day two features users of ANSYS software presenting applications from real-world case studies that showcase ways to apply engineering simulation to maximum effect. There are three technical tracks: upstream and production, refining and processing, and renewables and environment. Multiple discussion forums will provide attendees with the opportunity to drill further into each of six pivotal subject areas (multiphysics, LNG – gasification, high-performance computing, flow assurance, equipment and reactor design, and offshore structures), share and debate ideas, and learn how to maximize the use of engineering simulation in this rapidly developing industry sector.

A technology pavilion at ESEC will feature a wide range of complementary hardware and software suppliers. There is also an exciting social program planned for delegates and partners.

ESEC will uniquely bring together leading technology solutions providers, industry experts and thought-leaders in the energy industry under one roof to hear how computational technology and engineering simulation software can accurately and efficiently test and predict operational efficacy and environmental impact to reduce design and development times, minimize costs, and ensure regulatory compliance.

To register for the event or to view the agenda, visit the event website at <http://www.ansys.com/esec>. For questions or further information, send email to Ahmad Haidari at ahmad.haidari@ansys.com.

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Autodesk Debuts at 2008 Paris Mondial de l'Automobile

2 October 2008

Autodesk will make its debut appearance at the 2008 Paris Mondial de l'Automobile, one of the world's largest and most important auto shows, in Paris Porte de Versailles, France, from October 4-19, 2008.

Autodesk's participation reflects its focus on providing a solution for Digital Prototyping that helps automotive industry manufacturers to better concept, model and test designs before they are ever built,

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thereby reducing costs and accelerating time to market. Sponsored by the International Organization of Motor Vehicle Manufacturers, the Paris Mondial de l'Automobile has been the venue for the introduction of new production automobile and concept cars for more than a century.

As part of its presence at the show, Autodesk will be serving as a gold sponsor for several main events:

-- **AutoDesignNight**. Scheduled to take place on October 2, AutoDesignNight provides an unparalleled networking opportunity for the automotive industrial design community in a casual, but professional, atmosphere.

For more information, visit <http://www.autodesigntnight.com/Paris>.

-- **Interior Motives Design Awards**. On October 3, this contest recognizes automotive industrial design achievements in categories ranging from Best Conceptual Interior, Best Use of Ambient Lighting, Best Safety Innovation and more. For additional information, visit <http://www.interiormotivesawards.com/>.

"Historically, Autodesk has been a major partner of the global automobile industry, delivering integrated conceptual design, engineering, and manufacturing tools across all phases of product development," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "Our attendance at the Paris Motor Show, and our sponsorship of AutoDesignNight and the Interior Motives Design Awards, is a natural extension of our commitment to meeting the needs of global automotive engineers and designers."

Digital Prototyping on Display

Autodesk customer Estech, a French design firm specializing in the industrial automotive field, will have a booth at the 2008 Paris Mondial de l'Automobile (Hall 3, Lane 5, Stand 524) displaying its full-scale show car, the Crysaly, which it developed using Autodesk Digital Prototyping tools.

Digital Prototyping brings together design data from all phases of the development process to create a single digital model. This digital model simulates the complete product and gives designers and engineers the ability to better visualize, optimize and manage designs before producing physical prototypes.

"The [Autodesk](#) solution for Digital Prototyping helps us to better concept, model and test designs before they are ever built," said Herve Roman, chief executive officer of Estech. "A wide range of Autodesk products, from Autodesk AliasStudio to Autodesk Showcase, worked together seamlessly to create a digital workflow and speed the development of the Crysaly."

Venturi Automobiles, an ecologically minded French sports car manufacturer, will also have a booth at the show (Hall 5, Lane 1, stand 101) to display animations of its latest prototype vehicle, which was developed with Autodesk Opticore real-time raytracing visualization software, which produces highly interactive and realistic 3D digital product visualizations and presentations.

Gildo Pallanca Pastor, chief executive officer of Venturi Automobiles, said, "Autodesk 3D visualization software solutions enable us to implement a fully digital design process. Those tools reduce development costs of our future models; the choice of production is not based on expensive physical prototypes but on digital prototypes that are entirely explorable and modifiable anytime."

Autodesk in Automotive

Autodesk is a market leader in solutions for automotive design, styling and marketing development and is a major supplier of engineering and visualization software for the automotive industry. For more than

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20 years, Autodesk has provided automotive original equipment manufacturers with 2D and 3D applications to simplify the design-to-manufacturing process and provide creative professionals with photorealistic tools that transform imagination into reality. Many of the new vehicles presented by car manufacturers at the 2008 Paris Mondial de l'Automobile were designed with Autodesk solutions for Digital Prototyping.

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Delcam Crispin to Show Orthotics Software at Podiatrists' Conference

29 September 2008

Delcam Crispin will demonstrate its OrthoModel software for the design and manufacture of orthotic insoles at the Annual Conference of the Society of Chiropractors and Podiatrists to be held in Bournemouth from 23rd to 25th October. OrthoModel is the latest addition to the company's comprehensive range of software for the footwear industry. The highly-automated system provides a complete solution, from the import of scanned data from the customer to the machining of the orthotic, that produces high-quality insoles for both the comfort and medical markets.

The complete OrthoModel process is driven by a series of easy-to-use menus that incorporate the specific terminology used by the industry to describe the various features of the orthotic. These menus have been developed in association with a number of orthotics' manufacturers to ensure that the system can be used by technicians in the industry without any need for training in general CAD/CAM technology.

The software is also completely "open" in that it can take data from any scanning system or use manual measurements, and can output machining instructions to any milling machine. Delcam Crispin is happy to recommend the type of equipment that is required to companies that are new to computer-aided manufacturing.

Once the customer's details have been imported, OrthoModel includes a full range of options to design the orthotic, including features such as Kirby skive, cobra cut-out, deep heel cups and medial arch flange. Text and logos can be added to the design to engrave customer details and/or company information.

OrthoModel can then arrange a series of orthotics inside a block to give the most efficient use of material and automatically add the machining tabs needed to hold the items in place during machining. The complete set of toolpaths for the group of items can then be created automatically. The resulting toolpaths can be simulated on the computer to check that the results are exactly as required.

Using OrthoModel reduces the time needed to prepare orthotics so giving the faster turn-around times that customers demand. In addition, the use of computer-based design and manufacturing techniques brings the benefits of accuracy and quality to the orthotics industry that are already enjoyed by other sectors of footwear manufacturing.

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Delcam Predicts Record Asian Sales at Taiwan Summit

30 September 2008

Delcam announced that the company is on target to achieve record sales in Asia this year at its Asian

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Technical Summit held in Kaohsiung, Taiwan, last week. As might be expected, sales in Greater China and India are showing the fastest growth, but Delcam's Sales Partners in many other countries are also expecting to see their best results.

Delcam's Asian Technical Summit is held each year to present the latest developments from the company to its leading customers and the technical media in the region. This year's meeting was the eighth in the series and the first to be held in Taiwan. Close to 100 delegates attended from 13 countries. They were welcomed to Kaohsiung at the opening dinner by Mr. Y.K. Tseng, Chairman of the Taiwan Mold & Die Industry Association.

With around half of the company's revenue from software sales spent on research and development, there is always a large number of new products and enhancements to cover. This year's meeting included demonstrations of new versions of all of Delcam's main software products for design, machining and inspection, together with details on new products, such as the OrthoModel software for orthotics manufacture, and the DentCAD and DentMILL systems for the dental industry.

These demonstrations were complemented by presentations from a number of Delcam's customers, including surgeon Ninian Peckitt, dental company Cerasys, footwear giants adidas and machine tool supplier YCM. These highlighted the wide range of different industries where the software is now used. More traditional Delcam applications in the toolmaking industry were demonstrated during a visit to Jui Li Enterprise Co. Ltd., one of the largest press tool manufacturers in Taiwan.

The programme was completed with contributions from the event's sponsors, hardware suppliers HP, metrology specialists Renishaw and rapid prototyping system manufacturers Z-Corp.

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Delcam to Sponsor MWP Summit at AMRC/Boeing Factory of the Future

1 October 2008

Delcam is to sponsor the Metalworking Production Summit "Sustainable Manufacturing in the 21st Century", which will be held at the AMRC with Boeing Factory of the Future in Sheffield on 6th November. The company will use the event to promote its CAD/CAM software to delegates looking to improve any or all aspects of their product development processes.

Emphasising the importance of the event in the rapidly-changing environment for UK manufacturing, Mike Excell, Editor of Metalworking Production said, "The current economic climate, developments in manufacturing technology and the rapid evolution of consumer demand present new challenges and opportunities, almost daily, for engineering SMEs and OEMs. The aims for the MWP Summit are very simple: to illuminate some of the critical issues within this complex environment, and to help stimulate the growth and prosperity of the companies that work in it. We hope that representatives of companies both large and small will join us for what we firmly believe will be a valuable, informative and enjoyable day."

Reflecting the choice of venue, the Summit will concentrate on the importance of the aerospace industry to UK manufacturing. Delegates will be able to hear top-level speakers from organisations such as Boeing and Rolls Royce, as well as the AMRC, and senior managers from successful SMEs. Topics to be covered will include advanced manufacturing techniques and materials, how to prosper as an independent SME, maximising global sourcing and marketing opportunities, and the impact of environmental imperatives. The programme will be completed with a tour of the Factory of the Future,

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featuring demonstrations of virtual reality simulation, additive manufacturing and high-speed machining.

“As the UK’s largest developer of CAD/CAM software for product development, Delcam is fully aware of the challenges currently being faced by British manufacturers,” commented Delcam’s Marketing Manager, Peter Dickin. “We are pleased to be able to support an event like the MWP Summit that can help UK companies to become more efficient and more successful in today’s highly competitive international markets.”

For the full programme and other details on the MWP Summit, go to <http://www.mwpsummit.com> or email carolyn.ellison@centaur.co.uk.

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Gerber Technology to Host its Tenth Annual Software Users Conference

24 September 2008

Gerber Technology announced details regarding its Tenth Annual Software Users Conference. The event will be held October 16-17 at the Gaylord Opryland Resort and Convention Center in Nashville, Tennessee. Sponsors for the event include Microsoft, Dell, Singletree Technologies, E-Spec, Shapely Shadow and Ikon Office Solutions.

New session topics will include information on collection planning software, which can be used as a collaboration tool for merchandisers and designers to brainstorm new collections and pre-populate adopted styles into WebPDM folders. Best practices will include the popular “Tips and Tricks” sessions for power users as well as managerial sessions on how to plan for PLM implementation. Case study sessions will illustrate useful applications that include how Lily Pulitzer performs costing and RFQ’s with Request Tracker. Our hands-on sessions will give users the chance to test drive new software versions as well as learn to use new technologies. Gerber Technology has created a new, hands-on session that will allow participants to create their own avatars and customize garments to fit them. Participants will then be able to keep their viewable avatar file. This year also marks the introduction of several new tracks including one dedicated solely to system architecture, added to address the concerns of IT professionals.

“The Users Conference is always the highlight of our year and continues to gain momentum each year. In fact, with almost a month until conference time, we have already surpassed last year’s registrant total,” said Bill Brewster, Gerber Technology’s Vice President, Global Marketing and Product Management. “This is a great opportunity for us at Gerber to have some valuable face time with our customers and to exchange knowledge, experiences and best practices. I’m looking forward to gathering with everyone and looking forward to sharing some big announcements while we’re there,” he added.

The 2008 event features several new sessions, with over 10% more content than the 2007 Users Conference -- including opportunities to “Ask the Expert.” Content is organized amongst six different tracks to help guide attendees on which of the many different sessions are best for them.

Topics to be covered at the 2008 Gerber Technology Software Users Conference include:

Collection Planning Software Components: HandsOn

Planning Considerations for Product Lifecycle Management Implementation

AccuMark® VStitcher™

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What's New with AccuMark

CAD Conversion Made Easy

WebPDM™: What's New in 5.1 – 5.3

WebPDM V6.0 Preview

Exchanging Information from AccuMark to WebPDM

Milestone Management

Singletree Quick-Entry Application

Case Study: Costing & RFQ Management

CAD Preparation for Cutting

AccuNest™: Next Generation Marker Making

Material Costing

Pattern Wizard: Hands On

For a complete listing of track descriptions, please visit:

http://www.gerbertechnology.com/users_conference_2008.htm

Keynote Speaker

This year's keynote speaker is renowned branding and marketing expert, author and former host of SuccessTalk, Ira Blumenthal. He is President of CO-OPPORTUNITIES, Inc., an Atlanta-based consulting company whose clients include: adidas, Kmart, Target, Nike, Wal-Mart, Coca-Cola, Nestle, and McDonald's.

Customer Appreciation Gala

On the night of October 16, Fuse located right inside the Gaylord Opryland, will transform into a celebration of Gerber Technology's 40 years in the fashion industry. There will be themed areas decorated to reflect each decade that has passed since the company's inception, featuring music and décor from the 60s, 70s, 80s, 90s and today. Fuse blends the entertainment and excitement of Las Vegas with Nashville's renowned hospitality. For more details on the customer appreciation gala please visit: http://www.gerbertechnology.com/users_conference_2008.htm.

For more information regarding Gerber Technology's Tenth Annual Software Users Conference, including hotel and registration information, please visit:

http://www.gerbertechnology.com/users_conference_2008.htm.

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INCAT to Host Executive Conference 'Ushering in the Virtual Manufacturing Age'

1 October 2008

INCAT is presenting a Digital Manufacturing Executive Conference titled "Ushering in the Virtual Manufacturing Age" at its North American Headquarters in Novi, Mich., on October 9. The conference, designed to benefit executives in manufacturing, production engineering, digital manufacturing, simulation engineering and industrial engineering from both OEMs and supplier organizations, will

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feature industry briefings by some of the world's leading experts in digital manufacturing.

Leading off the line up of industry experts will be Ganesh Khedkar, Executive – Digital Manufacturing, INCAT, who will present “The Tata-DELMIA® Story: A Digital Manufacturing Success.” Khedkar played a key role in the planning and manufacturing of powertrain components for Tata Motors' first indigenous automobile, the Indica. Khedkar has more than 25 years of engineering experience and more than 10 years on the shop floor. He will offer attendees insights, with a pragmatic perspective, on the latest in digital manufacturing techniques.

Keith Charron, COO for Dassault Systemes - DELMIA explains, “INCAT is a global leader in the digital manufacturing and manufacturability market space. Their DS-DELMIA implementation experience with many of the world's most admired companies is a reflection of their commitment and capabilities. This Executive Conference is a must attend event for those companies evaluating proven technologies to reduce manufacturing cost, increase production launch speed, accelerate time-to-market and improve quality.”

Other industry leaders presenting at the conference include:

Tim Ellingworth, CEO – Icona Solutions Ltd. Ellingworth will present “Gaining Competitive Advantage by Improving Perceived Quality and Sensitivity to Variation.” He will discuss how engineers and designers will gain the ability to simulate and visualize manufacturing variation with a unique solution for improving perceived quality during the digital product development process.

Don Jasurda, Vice President – QMC LLC will present “Validate As-Built Quality to As-Designed Product Specifications.” He will discuss the effective application of CM4D data management and reporting software that will allow global manufacturers to address quality issues early, before they become costly build problems.

Ganesh Khedkar will present a second session, to conclude the conference, “Offshoring Digital Manufacturing.” He will explain how the offshoring of digital manufacturing is a practical solution that can increase capacity and reduce costs for global manufacturers.

INCAT CEO Warren Harris said, “We are delighted to invite the leaders and key executives from the manufacturing industry to this event. The INCAT Digital Manufacturing Practices team has put together an information-packed, meaningful conference designed to address the challenges that manufacturers face in today's market, presented in a format that is sensitive to the time constraints of these key decision-makers.

“INCAT is world leader in digital manufacturing offshoring and offers organizations the largest workforce in India dedicated to this domain, supported by North America-based professionals who provide a direct interface between client organizations and our offshore delivery centers. Attendees will learn about the expanded value proposition that INCAT provides, and they will leave the conference with insights into digital manufacturing that will have an immediate and positive impact on how they innovate and create products.”

The INCAT Executive Conference, “Ushering in the Virtual Manufacturing Age,” takes place Thursday, October 9 from 8 a.m. – 12 p.m. at the INCAT North American Headquarters in Novi, Mich., with lunch included. For more information and to register online, go to <http://www.incat.com> and click on the Digital Manufacturing Executive Conference icon.

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LMS Engineering Simulation Conference Features Keynote Speakers from Boeing, Ford and Volvo Construction Equipment

29 September 2008

LMS recently released the final speaker list for the International LMS Engineering Simulation Conference 2008 to be held in Paris, France on October 8th and 9th, 2008. The LMS Conference attracts hundreds of experts from leading manufacturing companies around the world. For the 2008 edition, LMS is pleased to welcome three keynote speakers from leading aerospace and automotive companies: Mr. Jim Johnescu, Acoustics Lead Engineer for Boeing will speak on aircraft cabin acoustic modeling; Mr. Bobbie Frank, Hybrid Drivetrain System Engineer for Volvo Construction Equipment will cover simulation of construction machinery performance in realistic operating conditions and Mr. Mario J. Felice, Manager Powertrain NVH CAE for the Ford Motor Company will speak about driving next-generation powertrain refinement through virtual simulation.

The 2-day conference promises to be an exciting event with over 40 experts and engineering specialists presenting their latest strategies and application cases to illustrate how new real-life simulation methods have really made a difference. On October 8th, Urbain Vandeurzen, Chairman and Chief Executive Officer, and Jan Leuridan, Chief Technology Officer, will share the LMS vision on the future of engineering simulation. LMS foresees a new age for virtual engineering where a “function-driven” development orientation manages the requirements of a new product design into functions and physical specifications of subsystems and components. In this approach, system functions are consistently managed in a scalable manner from concept to validation.

In addition to the key note addresses, LMS is pleased to release this updated list of speakers from a truly diverse scope of companies including Airbus/Noesis, Ariel University Center, Audi, Boeing, Calsonic Kansei/LMS Imagine, CERTIA, China Flight Automatic Control Research Institute/LMS, CNH Italia SPA, Continental Automotive France SAS, Daimler, EADS, Faurecia Sièges d’Automobile, Gaz de France, Helmut-Schmidt-University, Institut Français du Pétrole, IRCCyN - Ecole Centrale de Nantes, Jaguar/LMS International, K.U.Leuven – PMA and University of Sao Paulo, Liebherr Machines Bulle, Messier-Bugatti, Nanjing Research Institute of Electronics Technology, Noesis, Piaggio & C. SpA, Politecnico di Bari, Politecnico di Torino, Renault, Robert Bosch GmbH, Schneider Electric, Snecma, SYMME Laboratory, TATA Motors Ltd, Toshiba, Umicore Solar team, University Bucharest, Università degli Studi di Ferrara, Università di Napoli Federico II, University of Calabria, Valeo Commutation et Systèmes de Détection, Vrije Universiteit Brussel, WDL Ltd and Westland Helicopters Ltd.

For more information on the LMS Conferences, agendas and online registration, visit the LMS Conference web site at <http://www.lmsintl.com/lmsconferences/europe>.

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Open Source PLM: Aras Community Network Kicks Off in Europe with EMEA Event 2008

1 October 2008

Aras® announced the kick-off event for the Aras Community Network across Europe, Middle East, and Africa [EMEA]. The international event will be held Friday October 17th, 2008 at the Microsoft Deutschland GmbH office in Unterschleißheim Germany [suburb of Munich].

Keynote speaker Prof. Dr. Martin Eigner, globally renowned strategic PLM thought leader, Professor at

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the Technische Universität Kaiserslautern, and founder of Eigner+Partner [acquired by Agile / Oracle], will provide his personal insights on the revolutionary innovation in Product Lifecycle Management [PLM] by Aras.

Presentations by Günter Rester, Director Manufacturing Industries - PLM solutions at Microsoft and Martin Allemann, Vice President EMEA for Aras will highlight advances in the PLM industry.

The event will provide opportunities for corporate community members to learn more about the advanced enterprise SOA solutions for PLM on Microsoft, to discuss best practice approaches and to network for collaborative development projects.

Aras Community Network event admission is free and pre-registration is required. Agenda and online registration are available at <http://www.aras.com/SendToInnovatorX/100100.aspx>

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PLM On Demand Demonstrations for Small & Medium Sized Businesses: Windchill PDMLink & Windchill ProjectLink Demonstrations

October 2008

Engineering Digital Product Data Management/Concurrent Engineering: Effective concurrent engineering requires a single source of truth for the design and manufacturing engineers that are working on variations of the digital product model. CAD data management is the foundation for successful concurrent engineering. Additionally, non-engineering data such as specifications, supplier quotations, cost targets, etc, are related and managed by this single enterprise wide digital product data management system.

Windchill ProjectLink Overview Product Development/Project Execution: Reduce project time, increase collaboration, and enable process conformance through automated project execution. Whether you're collaborating within your department, with remote facilities, or your customers and suppliers, Windchill ProjectLink provides the tools for project management and execution.

Thursday, October 16, 2008, 12:00 PM – 1:00 PM EST (-0400 GMT)

[Register Now](#)

Every other Thursday @ 12:00 noon (EST)

PTC PLM On Demand brings the benefits of PLM to small and medium manufacturers without the hurdles of traditional deployments. This web-based service, built upon the Windchill technology, but hosted by IBM, helps manufacturers gain control over their product development processes such as data vaulting and change management and simplifies collaboration between teams, departments, and external parties.

PTC PLM On Demand is an easy way for manufacturers to improve all aspects of the product lifecycle without the costs and risks associated with a traditional enterprise system implementation. PTC PLM On Demand Standard customers can be up and running in a matter of days with minimal up-front investment

The PLM On Demand Webcast Series will provide:

1. An introduction into key capabilities such as vaulting, multi-CAD data management, search, document management, change management, visualization, collaboration, project management, and

process automation

2. Examples of how other leading manufacturers are maximizing their product development efforts

Learn more about the PTC PLM On Demand Standard offering:

- [Product page](#)
- [Windchill PDMLink On Demand data sheet](#)
- [Windchill ProjectLink On Demand data sheet](#)

Scheduled Events

Oct 16, 2008 [Windchill PDMLink & Windchill ProjectLink Demonstrations](#)

Oct 30, 2008 [Windchill PDMLink & Windchill ProjectLink Demonstrations](#)

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Selerant Synergy Webinars Examines Emerging Trends in CPG

October 2008

Emerging Trends

October 8, Wednesday

11am-12pm EST, 10-11am CST

5-6pm GMT, 6-7pm CET

Register at: www.gotomeeting.com/register/527672640

Realizing Emerging Trends with PLM

October 15, Wednesday

10-11am EST, 9-10 CST

4-5pm GMT, 5-6pm CET

Register at: www.gotomeeting.com/register/764579039

Can you spot hot trends as they emerge?

Do you know what consumers will demand?

Do you know what your competition is planning?

How will the market place look in 6 months? In 1 year?

Where will your inspiration spring for future profitability?

Selerant brings an innovative webinar with two featured speakers offering insight from two critical perspectives:

Bill Roberts of Prepared Foods will examine the consumer point of view.

Lynn Dornblaser of Mintel will analyze the corporate trends.

Understanding the trends is only half the battle. So, it is only half of our trend webinar series. The

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following week, Selerant will recap the trends and explore how you can realize them through PLM and demonstrate its latest release of DevEX 2.0.

Not only will you see how to make the trends a reality, but in the race to market, you will find out how you can expedite your in-demand products while ensuring compliance.

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SoftInWay Training on Turbomachinery Flow Path Design Will Take Place in Düsseldorf, Germany, December 3-5, 2008

30 September 2008

SoftInWay Inc. announces its next training course which will be held in Düsseldorf, Germany, on December 3-5, 2008. During the course SoftInWay experts will share theoretical and practical knowledge of multidisciplinary design, analysis and optimization of flow path using AxSTREAM™ with participants.

The curriculum includes interactive courses on axial compressor, axial turbine, centrifugal compressors, turbochargers, fans, blowers and turbopumps engineering and optimization. The participants will be able to select a particular subject depending on their interests and industry niche and to use the 3-day training to gain a deeper insight into the design capabilities of AxSTREAM™ software for education. Besides, an extra track focusing on the evaluation and retrofitting of the existing turbomachinery will be provided.

SoftInWay developers will also present the features of the 3rd generation of AxSTREAM™ that will be launched in Q1 2009, to name just a few, the implementation of customizable fluid and loss models and the new structure of internal database enabling the usage of such auxiliary units as valves and HEX. Starting from the next AxSTREAM version, analytical fluid models are available as external DLL, and two kinds of fluid models come with tables of real gas and thermal perfect gas specifications.

The previous SoftInWay seminars showed that multidisciplinary optimization of flow path with AxSTREAM™ could be successfully used on design level, with reasonable time and computer resources. The detailed tutorials, hands-on curriculum, as well as the professional support of SoftInWay staff ensure the high efficiency of these turbomachinery flow path design optimization courses. During 2008 AxSTREAM workshops got very positive feedback from more than 60 attendees from all over the world. "Despite the fact that I'd been using AxSTREAM for several months already, their training course helped me to get a better understanding of the software capabilities," said Torsten Hagedorn, Stork Turbo Service GmbH, Germany.

SoftInWay offers special discounts for those who register for this training course till October 15. Further details regarding the pricing and course information are available at <http://www.softinway.com>.

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Synopsys Recognizes Engineers' Technical Excellence at SNUG Boston Conference

1 October 2008

[Synopsys, Inc.](#) announced the Best Paper Awards for the tenth annual Synopsys Users' Group (SNUG®) conference in Boston, MA. At the Boston event, the first place award for Best Paper went to Clifford Cummings, Sunburst Design, Inc., for "Clock Domain Crossing (CDC) Design & Verification

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Techniques Using SystemVerilog." Second place went to Jonathan Wolfe, MediaTek Wireless, Inc., for "Reducing Failing Testcase Length: Mixing Brute-Force and Intelligence to Extract Meaningful Information from Many Simulations." Third place and the Technical Committee award went to Shalom Bresticker, Intel Corporation, for "Just When You Thought It Was Safe to Start Coding Again ... Return of the SystemVerilog Gotchas." The award for Best First-Time Presenter went to Eric Cigan and David Lidrbauch, The MathWorks, Inc., for "Using Cosimulation of MATLAB and Simulink with VCS in a Functional Verification Environment." The winning papers were selected by the attendees and the SNUG Technical Committee.

SNUG Boston is part of the largest user conference program in EDA. The program attracted more than 5,000 integrated circuit (IC) and system design engineers to eight technical conferences worldwide in the past year. Attendees represent the world's largest semiconductor design and manufacturing companies as well as many innovative start-ups. More than 430 technical users attended this year's Boston event, while the flagship event in San Jose on March 31 to April 2, 2008 drew record attendance of well over 2030 Synopsys users.

Two Technical Committee Honorable Mentions went to Bruce Zahn, LSI Corporation, for "A Utility for Leakage Power Recovery within PrimeTime-SI," and to Philip Watson, ARM, Ltd., and Tom Fairbairn, Synopsys, Inc., for "DC Graphical: The Promise and the Reality."

"As with previous years, the 10th anniversary of SNUG Boston provided engineers with technical depth and a unique opportunity to interact with other technologists," said Al Czamara, vice president of Hardware Engineering, LOA Technology and SNUG Boston technical chair. "The broad exposure and technical focus SNUG provides to a range of hot topics in the industry has helped make it a premier event for engineers who take on challenging semiconductor design and verification, and manufacturing issues on a daily basis."

Aart de Geus, chairman and chief executive officer at Synopsys, addressed conference attendees with a keynote that reviewed advances in electronic products, chip design and technology requirements during the past 10 years, since SNUG was inaugurated. He also discussed current designer issues such as power, design size and productivity, and how they must be addressed by considering the physics from below and the system level issues from above.

"SNUG's best paper winners demonstrate the depth of ingenuity and expertise required to address today's engineering challenges," said Aart de Geus, chairman and CEO of Synopsys. "A highlight of the conference is the opportunity for attendees to share technological challenges and solutions with their peers as well as with Synopsys executives and engineers. This spirit of learning is a key element of all SNUG conferences, and we appreciate the many engineers who come to share their insights with the broader design community."

SNUG Boston Sponsors included: Platinum Sponsors ARM, Common Platform (Chartered Semiconductor Manufacturing, IBM and Samsung) and TSMC; and Gold Sponsors Hewlett-Packard, Sun Microsystems and Virage Logic. The two-day SNUG Boston conference featured a technical program with 46 presentations that focused on all areas of design including synthesis, verification, low-power design, physical design/sign off, analog/mixed-signal design, custom design, test and rapid prototyping tools. This year's program featured 27 user papers, 13 Synopsys technical tutorials, two presentations, two vision sessions and two panels. These presentations focused on the challenges that engineers face as they design complex systems for a wide array of applications.

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Financial News

Avatech Solutions Reports Fourth Consecutive Quarter of Profitability and Net Income of \$3.1 Million in Fiscal 2008

29 September 2008

Avatech Solutions, Inc. announced financial results for its fiscal fourth quarter and year ended June 30, 2008.

For the fourth quarter of fiscal 2008, the Company reported revenues of \$11.5 million, compared to \$11.5 million in the prior-year quarter. Selling, general & administrative (SG&A) expenses were approximately \$4.4 million, or 38% of sales, compared to \$5.7 million, or 49% of sales, in the prior year quarter. Net income for the three months ended June 30, 2008 was \$742,000, or \$0.03 per fully diluted share, compared to a net loss of \$(874,000), or \$(0.07) per fully diluted share, in the same period in the prior year. Adjusted EBITDA (as defined) increased to \$808,000 in the fourth quarter of fiscal 2008, from negative adjusted EBITDA of \$(626,000) in the prior period.

For the fiscal year ended June 30, 2008, the Company reported revenues of \$49.6 million, compared to \$50.5 million in the prior year. During the year, Avatech increased Service revenue by 6% to \$11.4 million as a result of the Company's increased focus on growing this business to diversify its revenue base. SG&A expense was \$18.5 million, or 37% of sales, compared to \$22.7 million, or 45% of sales, in the prior year. For the year ended June 30, 2008, the Company reported net income of \$3.1 million, or \$0.15 per fully diluted share, compared to a net loss of \$(555,000), or \$(0.07) per fully diluted share for fiscal year 2007. Adjusted EBITDA increased to \$4.7 million in fiscal 2008, as compared to adjusted EBITDA of \$1.2 million in fiscal 2007.

George Davis, President and Chief Executive Officer of Avatech Solutions, commented, "In fiscal 2008 we returned to profitability with record net income and strengthened our balance sheet, which includes increasing our cash position more than three-fold since the beginning of the year. These achievements are the result of our new strategy implemented at the end of fiscal 2007 to improve productivity, diversify revenue with an expanded focus on services, all while reducing operating expenses throughout the Company. I am especially pleased with our ability to achieve record profitability in fiscal 2008 when considering the challenging macro-economic environment that had both direct and indirect impacts on our U.S. based design engineering markets throughout the year."

"Looking forward to fiscal 2009, we expect that macro-economic pressures will continue to exist requiring that we prudently manage our plans; maintaining focus on our fundamentals while we engage in efforts to return to top line revenue growth. Our efforts over the last year have significantly improved our financial baseline which uniquely positions us to execute on our strategy. We are moving forward with plans that will support our top-line growth initiatives by expanding both our software sales and engineering services teams, in anticipation that we will see positive results as the year progresses. We remain focused on establishing Avatech as the "Go To" company for design engineering technology, service and support. Since being launched in May 2008, our Manufacturing Consulting Services Group has established a solid pipeline of incremental services business in line with our stated objectives. We believe that through a combination of maintaining and profitably growing our core business and prudently engaging in diverse yet complementary strategic initiatives, we will continue to position Avatech for a strong future," concluded Mr. Davis.

"The turnaround at Avatech was achieved with exceptional commitment and hard work by the

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company's management team and employees, and was attained via great attention to detail and a bottom line orientation," noted Thom Wayne, Chairman of the Board. "As a major shareholder in the company I could not have asked for better financial performance than what was accomplished this past year. Although we have entered turbulent economic times, with a strong balance sheet and reduced operating costs, the company is well positioned to work toward achieving revenue growth and continued profitability in Fiscal 2009."

Conference Call Information

Avatech Solutions will hold a conference call to discuss its fiscal fourth quarter and year end results at 11:00 a.m. ET on September 29, 2008. A replay of the call will also be available through October 6, 2008 and can be accessed by dialing 888.286.8010 (Domestic) or 617. 801.6888 (International), and enter the passcode (35013558).

A live webcast of the call will be broadcast in the Investor Relations section of the Company's website, <http://www.avatech.com>. For those who cannot listen to the live broadcast, an audio replay of the call will also be available on the site for a limited time.

Note Regarding Use of Non-GAAP Financial Measure

This news release contains the non-GAAP measure Adjusted EBITDA. Adjusted EBITDA represents earnings (or losses) before interest, income taxes, depreciation and amortization, and stock-based compensation expense.

Adjusted EBITDA is used by management, analysts, investors and other interested parties in evaluating our operating performance compared to that of other companies in our industry, as the calculation of EBITDA as adjusted eliminates the effect of financing, income taxes, stock-based compensation costs, the accounting effects of capital spending and certain other merger related expenses, which items may vary from different companies for reasons unrelated to overall operating performance.

Avatech believes this non-GAAP measure provides useful information to both management and investors by excluding certain expenses that may not be indicative of its core operating results. These measures should be considered in addition to results prepared in accordance with GAAP, but should not be considered a substitute for, or superior to, GAAP results. The non-GAAP measure included in this press release has been reconciled to the GAAP results in the accompanying table.

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Open Text to Report First Quarter Fiscal Year 2009 Financial Results on Monday, November 3, 2008

3 October 2008

Open Text™ Corporation announced that financial results for its first quarter of fiscal 2009 will be released on Monday, November 3, 2008 at approximately 4:00 p.m. ET.

Teleconference Call

Open Text will host a conference call on November 3, 2008 at 5:00 p.m. ET to discuss the final financial results of its first quarter.

Date: Monday, November 3, 2008

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

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Length: 60 minutes

Where: 416-644-3418

Please dial-in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning November 3, 2008 at 7:00 p.m. ET through 11:59 p.m. on November 17, 2008 and can be accessed by dialing 416-640-1917 and using pass code 21285119 followed by the number sign. For more information or to listen to the call via Web cast, please use the following link:
<http://www.opentext.com/2/investors/ir-events.htm>

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PTC to Announce Fiscal Q4 Results on Tuesday, October 28th with Conference Call Wednesday, October 29th at 8:30 am ET

30 September 2008

PTC announced that it will release its fiscal 2008 fourth quarter and full fiscal year results on Tuesday, October 28th after the stock market closes. Senior management will host a live webcast and conference call to review the results on Wednesday, October 29th at 8:30 am Eastern Time. The earnings press release, prepared remarks and accompanying financial and operating statistics will be accessible prior to the conference call and webcast on the Company's web site.

What: PTC Fiscal Q4 Conference Call and Webcast

When: Wednesday, October 29, 2008 at 8:30 a.m. Eastern Time

Dial-in: 1-888-566-8560 or 1-517-623-4768

Call Leader: Richard Harrison

Passcode: PTC

Webcast: <http://www.ptc.com/for/investors.htm>

Replay: The audio replay of this event will be archived for public replay until 4:00 pm on November 3, 2008 at 1-800-947-6592 or 1-402-220-4606. To access the replay via webcast, please visit
<http://www.ptc.com/for/investors.htm>.

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Implementation Investments

Autodesk Names Genmar Yacht Group as Inventor of the Month for September 2008

30 September 2008

[Autodesk](#) has named Genmar Yacht Group as the Autodesk Inventor of the Month for September 2008.

Genmar Yacht Group, which manufactures luxury yachts under the Carver and Marquis brand names, used Autodesk Inventor software to design its new Marquis 420 Sport Coupe, which was recognized as the best new yacht in its class at the 2008 Miami International Boat Show.

"Inventor allows us to check for potential incompatibility among different parts and components, and resolve any problems in the design before it reaches the manufacturing floor," said Michael Krahn,

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information systems manager at Genmar Yacht Group. "That capability saves us time and money, helping us maintain our leading position in an increasingly competitive market for luxury yachts."

Digital Documentation Speeds Design

Unlike many European manufacturers who assemble yachts from various components they have outsourced, Genmar Yacht Group designs and builds the majority of components that go into its yachts - everything from the mechanical and electrical systems, to the cabinets, rails and upholstery.

Each piece of the design is digitally documented using Inventor and is stored in Autodesk Vault, a data management tool that helps manage and securely store design data in a centralized location. This reduces the time needed to find, reference, and re-use design data.

Leveraging digital data allows Genmar Yacht Group to easily refresh its product lines and increase the number of new models launched annually. In just a 12-month period, the company was able to develop three different models of new Marquis brand products -- a 40 foot, a 50 foot, and a 72 foot yacht -- to bring to the Miami International Boat Show.

The eventual winner of the "Best in Year" award, the 420 Marquis Sport Coupe, featured quality treatments such as exotic African Zebrano hardwood cabinetry with high gloss quality lacquered trim, wooden cabin sole and designer selected fixtures and appointments. These touches allow Marquis brand yachts to stand out from the competition and would not be possible if the design process required creating physical prototypes with such expensive materials.

"In the high-end luxury market, the bar is constantly being raised," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "Digital Prototyping allows Genmar Yacht Group to keep 'topping' itself with stunning new product offerings that impress consumers and peers alike. It is a pleasure to name them as our Inventor of the Month for September."

About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the more than 800,000 users of Autodesk Inventor software, the foundation for Digital Prototyping. Winners are chosen for engineering excellence and groundbreaking innovation. For more information about Autodesk Inventor of the Month, contact us at IOM@autodesk.com.

About Genmar Yacht Group, LLC

Headquartered in Pulaski, Wisconsin, Genmar Yacht Group manufactures luxury yachts under the Carver and Marquis brand names. The group is a division of Genmar Holdings, Inc. For additional information about Genmar Yacht Group, visit <http://www.carveryachts.com/> and <http://www.marquisyachts.com/>

About Genmar Holdings, Inc.

Genmar, with approximately 4,000 employees and five manufacturing centers, is the builder of 14 premier brands of recreational boats which include Carver, Champion, Four Winns, Glastron, Hydra-Sports, Larson, Marquis, Ranger, Scarab, Seaswirl, Stratos, Triumph, Wellcraft, and Windsor Craft. Genmar boats are sold worldwide through its approximately 1,100 dealers.

Additionally, Genmar utilizes its proprietary VEC Technology and the Roplene process in both the manufacture of certain of its recreational boats and for third-party manufacturing.

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EDAG Implements DELMIA Automation For Virtual Commissioning of Manufacturing Facilities

30 September 2008

Dassault Systèmes announced that its DELMIA Automation solution—for simulating virtual operations of manufacturing facilities—is being implemented by EDAG, the world’s largest turnkey partner in plant construction and low volume production to the automotive and aerospace industries. DELMIA Automation connects the mechanical elements within a facility or machine to real production system controls. As a result, the control engineer can test the control logic and human-machine interface within the mechanical cell before any of the equipment is built, which helps to reduce debug and testing time.

“The ability to virtually optimize and validate control behavior in a production cell is particularly advantageous for us as an engineering partner with our own associated line builder,” said Karina Schäfer, project manager and head of the digital factory at EDAG. “It lets us move from the construction site into the office, which in turn creates better working conditions.”

“EDAG’s decision to go with DELMIA Automation is proof that the topic of automation simulation has found an enthusiastic audience in the industry,” said Rafael Haida, key account manager for DELMIA Automation Dassault Systèmes. “It also shows that DELMIA is on the right track with a comprehensive solution spanning the gap from V5 Robotics to DELMIA Automation.”

DELMIA Automation solutions allow the control engineer to experiment with the virtual model of the machine--or cell--to test, validate, and debug prior to physical commissioning. In addition, engineers can perform a virtual integration of all devices including hydraulic, pneumatic, and electrical, to make sure each is complete and properly designed. It provides a natural extension to the DELMIA PLM (Product Lifecycle Management) offering and integrates seamlessly with the all of the Dassault Systèmes portfolio. This allows control departments to work in parallel, and share information, with mechanical and electrical departments earlier in the development process allowing optimization of engineering processes.

More information on DELMIA Automation is available by visiting <http://www.3ds.com/products/delmia/solutions/automation/>.

About EDAG

EDAG, founded in 1969, offers optimized, production-ready solutions from its closely aligned Product Development and Production, Manufacturing Equipment and Aerospace divisions. EDAG focuses on the automotive and aviation industries as well as other partners in the international mobility industry. In 2007 the Group reported revenues of over €10 million and employed over 5,500 people worldwide. As the world’s largest independent development partner, EDAG develops customized concepts and solutions to meet the mobility needs of the future. The development of complete modules, motor vehicles, derivatives, and production systems belongs to the range of our services just as much as the construction of models, prototypes, special vehicles, and small series production. Besides development performance, EDAG offers complete production systems for body shell construction and vehicle assembly, down to small series modules and special vehicle production series.

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Energieversorgung Mittelrhein Joins Bentley’s Enterprise License Subscription Program

30 September 2008

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Bentley Systems, Incorporated announced that Energieversorgung Mittelrhein ([EVM](#)), a multi-utility, has joined Bentley's Enterprise License Subscription (ELS) program. Bentley's ELS grants infrastructure professionals unrestricted access to a comprehensive portfolio of architectural, engineering, construction (AEC), operations, and geospatial software for a single annual fee. Built on a common platform, the portfolio includes almost 200 integrated and interoperable design, analysis, and collaboration software products that help increase the productivity of both local and widely distributed project teams.

"This outstanding program will help us deploy Bentley's multi-utility GIS and engineering products as needed across our enterprise," said Wolfgang Scheurer, leader of the technical services department at EVM. "We have long been users of the Bentley sisNET family of products, and as our business has grown, so have our requirements for a first-class multi-utility geographic information system. Bentley's ELS allows us to take advantage of new technology and new products at the click of a mouse. We no longer need to go through onerous internal software procurement cycles, and we can quickly react to the changing business environment."

Scheurer continued, "Today's utility organizations are under intense pressure to deliver services at the lowest possible cost with minimum service interruption. Bentley's ELS gives us fast, easy access to products such as Bentley sisNET and MicroStation that help us achieve these goals by supporting the entire utility infrastructure lifecycle, from planning, design, construction, and operations to the retirement of redundant equipment. We use Bentley sisNET to handle the network infrastructure from pipes, pumps and valves all the way to on-premise equipment like meters. Bentley sisNET also helps us report to the Bundesnetzagentur and remain compliant with the safety and other technical requirements to which all German utilities must adhere. We use MicroStation extensively to design and maintain our water treatment plants."

The [Bentley](#) ELS gives EVM's teams a cost-effective way to provide technically creative alternatives and sustainable solutions for the multi-utility's projects. As a strategic benefit, Bentley's ELS helps organizations such as EVM become more agile. Project starts can happen faster, teams can reconfigure for new opportunities more quickly, and no-charge pilots allow new technology to be infused into projects more readily. In addition, ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

Other benefits of Bentley's ELS program include:

- Immediate portfolio access to the right tool at the right time from any location,
- The ability to easily scale licensing needs as an organization grows,
- Streamlined software administration, license management, and compliance,
- The elimination of capital expenditure for all new software licenses,
- Average annual license cost savings of 40 percent through a pay-per-use model,
- The provision for global license consolidation through licensing server technology.

In addition, the program's global license pool enables distributed teams to balance software supply and demand across offices, saving money and maximizing worldwide license utilization.

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Excel Industries to Implement aPriori for Product Cost Management

30 September 2008

aPriori announced that [Excel Industries](#), a leading manufacturer of premium commercial and residential lawn care equipment, has selected the aPriori Product Cost Management Platform to support its product cost reduction initiatives. With aPriori, Excel will increase its ability to drive costs out of its products both pre- and post-production using real-time product cost assessments that are generated automatically throughout design, sourcing and manufacturing processes.

“aPriori will help Excel continue to develop and deliver highly innovative lawn care products that meet our internal cost targets even in the face of rising material costs,” said Brian Nebel, Director of Engineering at Excel Industries. “In a one-week pilot test, aPriori identified more than \$800,000 in potential savings across a number of our products. We look forward to seeing the results when aPriori is used with our entire portfolio.”

“Excel Industries joins a growing list of forward-thinking manufacturing companies that have driven significant costs out of their products using aPriori’s next-generation costing capabilities,” said Stephanie A. Feraday, President and CEO of aPriori. “With access to real-time product cost information, employees make better decisions that enable companies to get the best price from suppliers, launch new products at target costs and maximize the results of re-design projects.”

The [aPriori](#) Product Cost Management Platform is the first software solution to provide discrete manufacturers and product companies with real-time, predictive and precise product cost assessments throughout the development and production process. aPriori’s cost management capabilities empower organizations to identify quantifiable savings in material, tooling, labor and overhead when evaluating alternative designs, manufacturing processes and sources.

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India’s Largest Apparel Exporter Successfully Switches From Manual To Digital Pattern Making With TUKAcad Systems

23 September 2008

Tukatech announced that Orient Craft Limited, India’s largest exporter of apparel goods, has made the transition from manual pattern making to digital/CAD pattern making and automatic marker making with remarkable results.

“I tried every possible CAD system available to get rid of paper patterns but they all failed. I had given up till I met Tukatech. I am so looking forward to having the biggest bonfire with all our paper patterns.”

Mr. Sudhir Dhingra, Chairman of Orient Craft Ltd.

“We are producing twice as many patterns with 40% less pattern makers, the quality of patterns has improved and the results are absolutely fantastic.” says Nidhi Dutt, Orient Craft’s Executive Vice President.

Orient Craft is a winner of many national and presidential awards for their influence in the Indian apparel market. With thousands of employees operating in dozens of factories across India, Orient Craft has successfully managed to supply goods to many major brands around the world for over 30 years.

“We make specialized garments for Gap, Esprit, Anne Taylor, Tommy Hilfiger, Guess, Marks &

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Spencer, Levis, A & F, FMG and many European brands, getting a consistent fit is very important. We have so many artisans working here who had absolutely no knowledge of computers but are so talented. Of course new technologies make us more efficient, but to have our old timers use this was really challenging,” commented Mr. Sahil Dhingra, Director of Orient Craft. “Looking at a 50- plus year old pattern master start making patterns on the second day on a CAD system with more productivity and better quality patterns [than he had done manually] is truly remarkable. He had no exposure to computers and yet he is now a CAD operator. The [Tukatech] systems, training, pre-engineering and implementation are truly professional,” he continued.”

“We make millions of garments and thousands of styles, we needed faster sample approvals as demand for more styles continues to grow. We are so glad to replace all our old systems with TUKAcad. The time, material and personnel savings had the quickest payback, we know we will be getting better at this as our operators get better at the system. “says Nidhi Dutt.

Tukatech is a Los Angeles, CA, USA – based company that provides pattern making, grading and marker making software, web-based product development services, PDM/PLM systems, and manufacturing equipment supported by brick and mortar centers strategically located in garment hubs worldwide. With over 8,000 systems installed, and thousands of competitive systems replaced, Tukatech is a fast growing garment CAD/CAM company.

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INTERSPORT Group Selects Centric to Speed Exclusive Brands to Market, Improve Quality and Reliability

29 September 2008

[Centric Software](#) announced that INTERSPORT France, member of INTERSPORT INTERNATIONAL Corporation (IIC) has purchased Centric’s Apparel Suite PLM solution and completed initial implementation. INTERSPORT France is using Centric Apparel Suite to assure the reliability of information to suppliers in its exclusive brands (private label) group, thus speeding and improving the quality of the sample development process and in turn the delivery of its exclusive brand collections to stores.

“To get our collections into stores on schedule, we must have definitive samples, or the entire season’s delivery schedule can be affected,” said Nicolas Thibault, exclusive brands business unit manager at INTERSPORT France. “Yet valuable time was being lost as we went back and forth with the suppliers, answering questions or requesting changes, because we provided inconsistent information in our technical design files.”

The INTERSPORT Group also selected Centric to increase efficiencies in a number of ways. For example, since design information is now centralized, when a product manager is out of the office, the assistant can access the files, answer questions, and keep the process moving forward.

Despite these potential benefits, INTERSPORT demanded the right sort of PLM system, Mr. Thibault explains. “I have experience with a number of other PLM systems, and I did not believe they were right for our team. Centric’s system is surprisingly easy to use and easy to implement. Currently, as we progress through our implementation, the feedback from our product managers and suppliers has been very positive, and we expect the system to help us successfully reach our business objectives.”

“INTERSPORT France shrewdly realized that not all PLM systems are created equal,” said Chris

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Groves, president and CEO of Centric Software. “An easy-to-use, rapidly implemented PLM system like Centric’s Apparel Suite, which is designed specifically to meet the requirements of the apparel and fashion industries, will speed product lines to market, help reduce costs and improve margins, and improve the efficiency of valuable product managers and other staff. We’re pleased to welcome [INTERSPORT](#) France as a Centric customer.”

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Lucid Gives Facelifts a Charge with SolidWorks Software

29 September 2008

A 10-minute, non-surgical facelift from a device that clinicians can also use to “erase wrinkles and inches” was unheard of before U.K. consultancy Lucid Product Design Group recently developed one in SolidWorks® 3D CAD software. Genie Complete uses patented electrotherapy technology to deliver the latest in skin rejuvenation and toning and has been launched in China.

Genie Tech is a Liverpool, U.K. company that has commercialized breakthrough electrotherapy research from Scotland’s University of Glasgow to deliver concentrated electric charges for 10-minute facelifts without scalpels. Genie Complete delivers precisely controlled microbursts of electricity that stimulate cells for a variety of different skin treatments. Without any product development experience, Genie Tech worked with Lucid Product Design Group to develop the multi-faceted device from the ground up. Lucid, a longtime SolidWorks customer, had a very short window to design, prototype, refine (based on user feedback), and produce a working model.

“First mover status was critical, so we needed a partner that could develop the product based on all of the necessary input in less than a year,” said David Rosenblatt, Genie’s managing director. “We hired Lucid largely on the basis of its long track record using [SolidWorks](#) in our line of business – not just as a technical design tool – but as a way of clearly visualizing ideas.”

Genie Complete delivers the electric charges via contact pads attached to affected areas of the skin or pen-type probes used to massage the area during treatment. Lucid engineers used SolidWorks eDrawings® e-mail-enabled design communication tool to send easy-to-understand solid models of the Genie design to beauticians, who could review the device’s shape and interior and provide direct feedback.

“Aside from the electronics, ergonomics and aesthetics rule the design. So user input is a must,” said Alistair Williamson, managing director at Lucid. “SolidWorks allowed us to get quick verification of design ideas from those users and innovate on-screen so that we could accelerate prototyping and finalize a design suitable for market distribution within 10 months.”

Engineers also used the SolidWorks SimulationXpress design validation tool to help ensure structural components would be optimized for minimal weight, cost effective enough to make, and strong enough to stand up to constant use. Using SolidWorks sheet metal functionality enabled suppliers to better determine costs while maximizing materials use quickly and accurately.

“Lucid Product Design Group has again demonstrated what it means to transform a truly innovative concept into a working product,” said Chris McManus, the U.K. and Ireland country manager for Dassault Systèmes SolidWorks Corp. “The Genie Complete stands as an example of the power of SolidWorks’ integrated product development software to help startups gain a business advantage.”

[Lucid Design Group](#) relies on authorized SolidWorks reseller [NT CADCAM](#) for ongoing software

training, implementation, and support.

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Nokona Baseball Factory Selected as a “Top Innovator” by Apparel Magazine for Implementation of Zweave’s Product Lifecycle Management (PLM) Solution for Retail, Footwear and Apparel

14 July 2008

Apparel Magazine has selected [Nokona](#) as a “Top Innovator” for 2008.

“PLM is creating a foundation for standardizing our product development processes,” says Jerry O’Connor, Nokona’s CEO. It is allowing us to work with new suppliers and partners, streamline communication and reduce time-to-market by up to 60%.”

Nokona, founded in 1926, has leveraged an All-American brand and major league player endorsements to create a dominant following for its baseball gloves. They are now expanding the portfolio to include more than 300 new items ranging from baseball bats to t-shirts to protective gear. Nokona selected [Zweave’s Zdesign On-Demand PLM](#) solution to support this growth and expansion.

“We are pleased that our solution is helping customers like Nokona run better businesses and design better products,” said Laura McCann, Zweave’s CEO. “Zdesign On-Demand provides a powerful and easy-to-use solution for companies in the consumer goods industries and we look forward to seeing many more customer awards.”

With hundreds of products now in development Nokona needed the best available tools for tech packs, pricing, sampling, vendor management, collaboration and more. Nokona set out to achieve significant ROI within 12 months of implementation. “Today we are leveraging everything PLM can provide,” O’Conner says. “We expect better control of our information, visibility into our product development efforts and sourcing timeline and better collaboration. We will see lower product development costs by more than 20%.”

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Power & Industrial Systems Performance Group of HYOSUNG Expands Use of Siemens PLM Software’s Solid Edge with Synchronous Technology

29 September 2008

[Siemens PLM Software](#) announced they are providing Power & Industrial Systems Performance Group of HYOSUNG with additional seats of Solid Edge® software with Synchronous Technology, bringing their total seat count of Siemens PLM Software technology to more than 100.

Power & Industrial Systems Performance Group of HYOSUNG, which originally deployed Solid Edge in 2001, will expand its existing deployment of Solid Edge with additional seats to accelerate its process of innovation and improve its product development quality, while reducing time to market. The company has conducted a series of customized Solid Edge training sessions for its new and existing designers and plans to use the software for all current and future design processes.

Solid Edge with synchronous technology is a core component of the Velocity Series™ portfolio and combines the speed and flexibility of direct modeling with the precise control of dimension-driven design, providing a fast, flexible design experience.

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Power & Industrial Systems Performance Group of HYOSUNG currently uses the Teamcenter® platform, Siemens PLM Software's digital lifecycle management solution, as its product data management solutions to enhance process transparency and information sharing across the enterprise.

“The new version of Solid Edge with synchronous technology allows Korean companies to enhance their process of innovation,” said Kwon Kyung Ryul, vice president and managing director, Siemens PLM Software, Korea. “Siemens PLM software will continuously endeavor to provide industry leading solutions to leading Korean corporations like Power & Industrial Systems Performance Group of [HYOSUNG](#).”

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SANYO Selects Synopsys as Its Primary EDA Supplier

30 September 2008

[Synopsys, Inc.](#) announced that SANYO Semiconductor Co., Ltd. (SANYO) has signed an expanded business agreement to establish Synopsys as its leading EDA supplier across the entire implementation and verification design flow. A key factor in the decision were the productivity gains SANYO achieved by deploying the Synopsys Galaxy™ design and Discovery™ verification platforms. This collaborative partnership includes increased usage of tools throughout Synopsys' product portfolio, including Design Compiler® synthesis, Primetime timing analysis, and IC Compiler place and route technology on the Galaxy design platform, and the VCS® and NanoSim® simulators for analog and digital verification on the Synopsys Discovery verification platform.

"By extending our long-term relationship with Synopsys, we are creating a focused, collaborative effort to achieve the highest level of productivity in our design flow," said Takeshi Ogiwara, general manager, Design Engineering Central Division, LSI H.Q. at SANYO Semiconductor Co., Ltd. "Standardizing on the Galaxy and Discovery platforms will help us master new challenges encountered at the leading edge of technology. In fact, deploying Synopsys' leading technology has already helped SANYO realize a number of successful production designs."

"As we extend our existing successful relationship with SANYO to the next level, we will focus on optimizing the design flow speed and throughput for highest productivity," said Aart de Geus, chairman and CEO of Synopsys, Inc. "This important joint initiative is designed to enable higher revenues for SANYO by expanding engineering productivity and keeping SANYO at the leading edge of technology."

SANYO Semiconductor Co., Ltd., a subsidiary of SANYO Electric Co., Ltd, develops innovative products, such as resource-saving ultra-small transistors, unique hard-wired logic ICs and thick film ICs, which contribute to the miniaturization and the reduction in power consumption of electronic devices.

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Siemens PLM Software Sponsored Race Teams Continue to Lead the NASCAR Sprint Cup Chase for the Championship

3 October 2008

[Siemens PLM Software](#) announced Siemens PLM Software-sponsored race teams Hendrick Motorsports and Roush Fenway Racing – whose cars are developed with the help of Siemens PLM Software

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technology – have combined to win the first three NASCAR® Sprint Cup Series Chase for the Championship races and hold the top three spot in the points standings.

In addition to winning the first three Chase for the Championship races, Siemens PLM Software sponsored race teams Hendrick Motorsports, Joe Gibbs Racing and Roush Fenway Racing entered the NASCAR® NEXTEL Cup Series Chase for the Championship securing nine of the 12 spots, including the top four spots. Joe Gibbs Racing driver Kyle Busch led the top four followed by Roush Fenway Racing driver Carl Edwards and Hendrick Motorsports drivers Jimmie Johnson and Dale Earnhardt Jr.

Johnson, a two-time Cup Champion and the current Chase leader, won the latest Cup Series Race in Kansas with Edwards and his Roush Fenway Racings teammate Greg Biffle taking the two and three spots respectively. Last week at the Cup Series Race in Dover, Roush Fenway Racing drivers swept the podium with Biffle bringing home the win for the second week in a row and Matt Kenseth and Edwards, taking two and three respectively. The week prior at the Cup Series Race in New Hampshire, the three current Chase for the Championship leaders took the podium with Biffle taking first place and Johnson and Edwards taking two and three respectively.

“Siemens PLM Software congratulates all the teams and drivers for making the Chase for the Championship and for the strong showing in the first three races, we wish the team good luck,” said Dave Shirk, executive vice president of Global Marketing for Siemens PLM Software. “It takes teamwork and consistency throughout the year to make the Chase for the Championship. Siemens PLM Software is proud of our relationship with the racing teams and along with our customers are pleased to know that our solutions help the teams consistently deliver wins to continue to stay on top and go for the championship.”

A Tradition of Technology and Tracks

Siemens PLM Software has a long tradition of providing NX™ software, Siemens' comprehensive digital product development solution, and Teamcenter® software, Siemens' digital lifecycle management solution through racing sponsorships. Hendrick Motorsports, winner of the 1995, 1996, 1997, 1998, 2001, 2006 and 2007 NASCAR Sprint Cup Championship; Joe Gibbs Racing, winner of the 2000, 2002 and 2005 NASCAR Sprint Cup Championship; Roush Fenway Racing, winner of the 2003 and 2004 NASCAR Sprint Cup Championship; and Andretti Green Racing, winner of the 2004, 2005 and 2007 Indy Racing League® (IRL) IndyCar® Series Championship; have been using Siemens PLM Software for many years to help develop their cars and improve their performance on the race track. KB Racing, winner of the 2003, 2004, 2005 and 2006 National Hot Rod Association® (NHRA®) Pro Stock Championship, began using Siemens PLM Software technology in 2005, and the Renault® F1 Team, winner of the 2005 Formula One Drivers and Constructors Championships, established a partnership in 2004 using Tecnomatix® software.

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SpaceX Launches into Space with Siemens PLM Software's Technology

2 October 2008

[Siemens PLM Software](#) announced that Space Exploration Technologies (SpaceX), a privately-held leading space launch vehicle developer and services provider, standardized on NX™ and Teamcenter® software for product design, simulation and product data management.

NX, Siemens PLM Software's comprehensive digital product development portfolio, enables SpaceX to

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integrate all aspects of the design-through-manufacturing process. NX will allow knowledge-based engineering methods to enhance the ability to effectively leverage information across the enterprise. In addition, the superior simulation functionality will enable SpaceX to predict product performance in the design phase which is crucial for the mission-critical space launch industry.

Teamcenter, Siemens PLM Software's digital lifecycle management solution will enable SpaceX to effectively manage design data and specifications as the industry continues to mature and new products are added to the mix. Teamcenter will serve as the single source of product record and enhance efficiency and collaboration while reducing development costs.

SpaceX is supported by both Siemens PLM Software and Saratech Inc., a certified platinum business partner with extensive PLM expertise.

"As a winner of the NASA Commercial Orbital Transportation Services competition (COTS), SpaceX needs to deliver cost effective launch solutions to help fill the gap when the Space Shuttle retires in 2010 and we needed a PLM solution that would provide a strong, dynamic design foundation," said Chris Thompson, Vice President of Structures, SpaceX. "The high-end design and simulation technology of NX supported by a robust Teamcenter backbone combined with Saratech's industry expertise made Siemens PLM Software the right choice."

"Being a key partner to Siemens PLM Software allows Saratech to effectively deliver the software, support and services necessary to realize SpaceX's PLM vision," said Saeed Paydarfar, CEO, Saratech Inc.

"Space transportation is a growing market and we are thrilled that leaders like SpaceX see the benefits that Siemens PLM Software's technology combined with Saratech's industry expertise can provide," said Dave Shook, senior vice president and managing director, Americas, Siemens PLM Software. "NX and Teamcenter provide best-in-class solutions with the ability to support future growth and help customers enhance efficiency and reduce cost to bring innovative products to market faster."

About SpaceX

SpaceX is developing a family of launch vehicles intended to reduce the cost and increase the reliability of both manned and unmanned space transportation ultimately by a factor of ten. With its Falcon line of launch vehicles, powered by internally developed Merlin engines, SpaceX is able to offer light, medium and heavy lift capabilities to deliver spacecraft into any altitude and inclination, from low-Earth orbit to geosynchronous to planetary missions. SpaceX currently has 14 missions on its manifest plus indefinite delivery/indefinite quantity (IDIQ) contracts with NASA and the US Air Force.

As a winner of the NASA Commercial Orbital Transportation Services competition (COTS), SpaceX is in a position to help fill the gap when the Space Shuttle retires in 2010. Under the existing contract, SpaceX will conduct three flights of its Falcon 9 launch vehicle and Dragon spacecraft for NASA, culminating in Dragon berthing with the International Space Station (ISS) and returning to Earth. NASA also has a contract option on Falcon 9 / Dragon to provide crew services to the ISS after Shuttle retirement.

Founded in 2002, the SpaceX team now numbers nearly 500, located mostly in Hawthorne, with four additional locations; SpaceX's Texas Test Facility in McGregor Texas outside of Waco, offices in Washington DC, and launch facilities at Cape Canaveral, Florida and the Marshall Islands in the Central Pacific.

About Saratech

Saratech, Inc. provides Product Lifecycle Management (PLM) solutions to support customers in the aerospace, automotive, hi-tech and medical industries. It provides customers world-class software tools along with services and support. Saratech, Inc. is headquartered Southern California with regional offices across the United States with the resources of over 100 dedicated sales and technical professionals.

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Product News

Agilent Technologies Introduces Industry's Fastest Signal Integrity Circuit Simulator

29 September 2008

Agilent Technologies Inc. introduced the EDA industry's fastest signal integrity circuit simulator for multigigabit, high-speed data link design. The Transient-Convolution Simulator -- part of Agilent's Advanced Design System (ADS) EDA software platform -- achieves a three-fold simulation speed improvement for signal integrity simulations.

The Transient-Convolution Simulator combines the ADS High Frequency SPICE, Convolution Simulator and related modules. Multicore processor support and a new, high-capacity sparse matrix solver allow signal integrity designers to perform fast "what-if" analyses to arrive at the best possible designs.

"With Agilent's new ADS Transient-Convolution Simulator we can get Stratix II GX transceiver results in a third of the time than we used to," said David Greenfield, senior director of product marketing, high-end products at Altera Corp. "Rapid design analysis lets us ramp up our chip volume and helps our customers get their system to market quickly. Everybody wins."

The most common applications for the ADS Transient-Convolution Simulator are design and verification of chip-to-chip multigigabit/s serial links. These are found in almost all consumer and enterprise digital products produced today -- from laptop computers to data center servers to telecommunication switching centers to internet routers. At the very high data rates at which these links operate, signal integrity engineers must take into account physical phenomena such as impedance mismatch, reflections, electromagnetic coupling, crosstalk and microwave frequency attenuation due to the skin effect and dielectric loss tangent. The ADS Transient-Convolution Simulator allows signal integrity engineers to address these challenges by performing "what-if" design space exploration. This process uses a circuit-level model that can be verified against measured data and electromagnetic artwork to arrive at an optimum design while avoiding costly and time consuming prototype iterations.

"The speed improvements in the ADS Transient-Convolution Simulator have cut our simulation times in half, allowing us to more accurately analyze increasingly complex systems," said Roy Greeff, signal integrity engineering manager at Micron Technology Inc., a leading providers of advanced semiconductor solutions, "With the enhanced simulator, we now can incorporate large silicon-level models, including an entire data bus and clock tree structure, with associated power and ground rails. Along with the silicon models, we can also include fully extracted package models, system-level transmission lines and termination models."

The ADS Transient-Convolution Simulator is part of the new Agilent Advanced Design System 2008 Update 2. Advanced Design System is an electronic design automation platform, offering complete

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integration to designers of multigigabit/s serial links, as well as consumer and commercial wireless electronic products such as mobile phones, wireless networking and GPS, as well as radar and satellite communications systems.

More information about the Transient Convolution Simulator is available at http://www.agilent.com/find/eesof-ads2008_t-c-simulator. More information about ADS 2008 Update 2 is available at http://www.agilent.com/find/eesof-ads2008_update2. To request a demo of ADS 2008 Update 2, visit <http://www.agilent.com/find/eesof-ads2008-update2-demo>.

U.S. Pricing and Availability

The ADS Transient-Convolution Simulator is available now, with prices starting at approximately \$26,000.

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ARM, Chartered, IBM and Samsung Collaborate to Enable Energy-Efficient 32nm and 28nm Systems-on-Chip

29 September 2008

IBM, Chartered Semiconductor Manufacturing Ltd., Samsung Electronics, Co., Ltd., and [ARM](#) announced they will develop a comprehensive 32 nanometer (nm) and 28nm Systems-on-a-Chip (SoCs) design platform based on high-k metal-gate (HKMG) technology from the IBM-led joint-development alliance.

Under this multi-year collaboration, ARM will develop and license a design platform of physical intellectual property (IP) including logic, memory and interface products for the Common Platform technology alliance of IBM, Chartered and Samsung for distribution to their customers.

ARM also announced its intent to develop customized physical IP targeted at achieving optimal power, performance, and area for their current and future Cortex™ processor family leveraging the unique attributes of the Common Platform HKMG 32nm/28nm technology. The HKMG technology breaks down the historical barrier of scaling, allowing significant power and performance advantage by utilizing new material science innovations. This technology targets a broad range of embedded segments, including mobile, portable and consumer electronics.

The early parallel development work between ARM and the Common Platform alliance leverages their respective industry-leading expertise in processor IP, physical IP and technology development. This combination will facilitate design scaling and accelerate the market availability of next generation mobile devices with unmatched performance, outstanding battery life and reduced cost.

"Through this early engagement, we are creating the foundation for designing power efficient ARM SoCs for customers of the Common Platform," said Warren East, CEO, ARM . "By utilizing the strength of our advanced microprocessors, our leadership in Physical IP design and advanced technology supported by the Common Platform, customers can accelerate the release of products for electronic devices that service a broad range of consumer applications."

The Common Platform partners expect to continue to expand the eco-system in this collaborative initiative to include more members in the near future. These additional partners will expand the offering of EDA support, services and IP offerings to enable customers to accelerate their time to market on these advanced technologies.

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"IBM remains convinced collaborative innovation in an open ecosystem of partners is the key to technology leadership, both now and in the years to come," said Mike Cadigan, general manager, Semiconductor Solutions, IBM. "Today's announcement with ARM extends that strategy to the next level, from IBM research through Common Platform manufacturing to the leading consumer application architecture. With the extensions of our agreements to the 32nm generation, IBM is working together with its alliance partners to deliver leading-edge technology that promises to dramatically change the way we live, work and play."

"Today, customers require a new level of ecosystem interdependency to address the complexity of total system solutions. ARM's collaboration with the Common Platform partners will drive a new level of optimized, power-efficient SoCs," said Chia Song Hwee, president & CEO of Chartered. "The Common Platform's joint development and ecosystem collaboration is the leading model for moving invention to open industry access."

"This collaboration provides our mutual customers with leading design solutions that combine our HKMG breakthroughs in 32nm process technology and ARM's optimized low-power, high-performance cores and libraries," said Dr. Chang Sik Choi, Executive Vice President, Samsung Electronics Co., Ltd. "With high volume manufacturing in our Common Platform fabs, customers will benefit with time to volume advantages critical to success in the fast moving consumer electronics market."

About the Common Platform

[IBM](#), [Chartered Semiconductor Manufacturing](#) and [Samsung Electronics](#) have forged a manufacturing collaboration featuring bulk CMOS 32nm, 45nm, 65nm and 90nm process technologies. By combining the expertise and research resources of all three companies and leveraging advances such as high-k metal gate technology, 193nm immersion lithography and ultralow-k dielectrics, the Common Platform™ technology collaboration is able to accelerate the availability of leading-edge technology to foundry customers. The Common Platform model is supported by a comprehensive design-enablement ecosystem, enabling foundry customers to easily source their chip designs to multiple 300-mm foundries with minimal design work and with unprecedented flexibility and choice.

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Boost to Austrian Wiring Design Capabilities as Zuken Partners with CAE Consulting GmbH for Design Solution Consulting

30 September 2008

Zuken and subsidiary CIM-Team has announced a partnership with CAE Consulting GmbH to boost the localized framework within Austria for support of its electrotechnical design solution, E³.series. This new relationship will provide users of the [E³.series](#) software access to specialist consultants who can deliver advice and training on how to optimize Zuken's wiring, panel and fluid design software for increased productivity and quality.

"CAE Consulting GmbH brings us closer to Austrian users, enabling us to guarantee they have every opportunity to get the most out of our software applications within their own unique design environments," commented Joachim Frank, Director of E³ Business for Zuken.

Established in 2003, CAE Consulting GmbH prides itself on delivering specialized services to help organizations optimize CAE software; this includes benchmarking activities, training and consulting for the full integration of software within company's individual engineering processes. From October 2008

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the company will expand their range of services to include E³.series.

Zuken and CAE Consulting will be exhibiting at [Vienna-Tec](#) on 7th – 10th October, you can find them in Hall D, Booth D0314.

For more information about CAE Consulting visit <http://www.cae-consulting.at> or for more details about Zuken's E³.series software visit the new Zuken website <http://www.zuken.com/e3>

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Creaform Inc. Joins Dassault Systèmes PLM Solutions Partner Program for Europe

30 September 2008

[Dassault Systèmes](#) announced a new reseller agreement with Creaform Inc. for a wide distribution of the total 3D scanning Solution. Aerospace, automotive, and medical engineers and multimedia professionals from any location in Europe will be able to acquire directly from Creaform the complete solution, including equipment as well as software, to reverse-engineer, inspect and optimize their products, also benefiting from Creaform's support and unique domain expertise.

“With this partnership, Creaform integrates the community of Dassault Systèmes resellers for PLM with a specific value proposal in reverse engineering,” said Laurent Couillard, vice president of PLM sales for North Europe, Dassault Systèmes. “Indeed it complements the existing channel by providing end-to-end best of class 3D Scanning solutions everywhere and contributes to expand our position in the SMB market.”

After the US and Canada agreement, the extension to Europe makes the total solution now available from everywhere, for every SMB customer.

Creaform develops Handyscan's VxScan, a CAA-based software enabling a real time import of cloud of points scanned by the Handyscan into the standard CATIA data model for 3D scanned data, bridging the virtual and real worlds.

“After signing the CAA agreement with Dassault Systèmes in 2007 and becoming an Education Partner earlier this year, this reseller agreement illustrates the confidence both companies have in reaching new European customers with valuable technology while accelerating their return on investment in 3D scanning operations,” said Charles Mony, president of Creaform.

About Creaform

Creaform develops scanning and 3D digital solutions for reverse engineering, product development and inspection applications including CAD/CAE/CAM applications and portable CMM. Creaform develops and sells the Handyscan 3D, the first self-positioning hand-held 3D laser camera. This state-of-the-art scanner gives real time 3D rendering visualization and the file can be exported in any standard format.

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DP Renews Agreement with Spatial to Include InterOp as Component in ESPRIT

30 September 2008

DP Technology recently signed an agreement with Spatial Corp. to extend the use of Spatial's InterOp Suite, which delivers the highest level of interoperability between CAM and computer-aided-design (CAD) formats, in its ESPRIT CAM software.

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ESPRIT 2009 and ESPRIT Mold v10 will both include Spatial's InterOp Suite as a standard feature of the product line. ESPRIT uses InterOp to support the direct native transfer of ACIS-based CAD data into the ESPRIT CAM system. Additionally, in ESPRIT Mold InterOp is used for a variety of optional CAD data translators.

"Utilizing this new technology, ESPRIT will now offer significantly more interoperability capabilities within the software," said Chuck Mathews, DP's vice president. "We now support more than 15 different CAD formats within ESPRIT, including the ability to directly read native CAD data from Autocad, Catia, Inventor, Pro/Engineer, Solid Edge, SolidWorks, and Unigraphics."

Existing ESPRIT customers with active software maintenance contracts will receive these upgrades at no additional cost as part of their existing service agreement with DP Technology.

"We are very pleased to be partnering with DP Technology to provide their ESPRIT CAM software customers a full suite of proven and reliable translators," commented John Alpine, Spatial VP of Research and Development. "Spatial's comprehensive InterOP Suite delivers the highest quality data exchange between CAD and CAM formats."

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First Autodesk BIM Software for Windows 64-Bit Operating Systems Now Available

30 September 2008

[Autodesk, Inc.](#) announced that versions of its Revit software applications for Building Information Modeling (BIM) specifically designed for personal computers using Windows 64-bit operating systems are now available. This marks the company's first venture into 64-bit BIM applications and applies to Revit Architecture 2009, Revit Structure 2009 and Revit MEP 2009.

The 64-bit versions are now available to existing Revit platform software subscribers. Customer beta testers reported that the new software applications offer significantly improved performance and stability for memory intensive tasks such as rendering, printing, model upgrading and file importing and exporting. Some examples of their experience include:

"In every single test I threw at the Revit Structure for the 64-bit system it beat the 32-bit system," said Ken Murphy, BIM manager, Thornton Tomasetti. "On average, we observed approximately a 20 percent performance gain on operations such as saving files and exporting models to other formats for outside consultants. And when it comes to rendering images of large project models, such as an American football stadium with thousands of members, we saw up to a 50 percent performance improvement over the 32-bit platform."

"With 64-bit Revit Architecture we can completely load a very large project into a session and work on it at one time; and that is something that represents a significant efficiency improvement over the 32-bit environment," said Lonnie Cumpton, Revit task force manager for the Friedmutter Group. "For example, we have a large project that consists of 2.9 gigabytes of Revit data contained in 22 individual files. With 64-bit Revit Architecture we can link all the pieces together into one big model and cut an entire building section to gain an understanding from a section elevation standpoint of the entire project at one time. Using 32-bit Revit Architecture we'd have to cut individual pieces of sections in each model and then piece them back together. It took us a day to do that. Now we can do it in less than an hour."

"We've been beta testing the 64-bit Revit Structure software and the increases in efficiency and productivity are impressive," said Jamie Richardson, Associate & CAD manager, Ericksen Roed &

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Associates. "Cutting sections and switching between views is much faster. Moving within the views and rotating the model in a 3D view is also noticeably faster and smoother.

With what we have seen in our beta testing, and what we're hearing from users testing the beta on their current projects, we see no reason not to go to the 64-bit version of Revit Structure."

Availability

The English language versions of new 64-bit Revit software applications are available now to existing Revit Architecture 2009, Revit Structure 2009 and Revit MEP 2009 subscribers via the online Subscription Center. The 64-bit software will release in other languages at a later date.

"We're very excited to hear our beta testers report stunning performance gains with the native 64-bit versions of the Revit software applications," said Jay Bhatt, senior vice president, Autodesk AEC Solutions. "Breaking the four gigabytes RAM barrier is an important milestone, which helps our customers experience the power of BIM in even their largest projects."

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GIV GROUP Joins Aras Partner Program

30 September 2008

[Aras](#)® announced that GIV GROUP, an experienced provider of systems integration services and an independent software vendor of product lifecycle management [PLM] solutions for the consumer packaged goods [CPG] and pharmaceutical industries, has joined the Aras Partner Program.

GIV GROUP [consists on GIV Solutions Ltd, GIV-IT Ltd] provides a comprehensive approach to enterprise solution implementations for PLM systems. GIV-IT Ltd will provide PLM services across industries in Israel and Eastern Europe for the Aras solutions. GIV has specific expertise in the complex product packaging life-cycle management processes in the CPG, food & beverage, and pharmaceutical verticals. The constant consumer desire for fresh, new brand images necessitates unique designs and continuous packaging innovation. The complex planning, development and change processes required to rapidly deliver new packaging variations across the product life cycle requires specialized PLM processes for greater coordination and collaboration.

"The myriad of consumer design preferences have combined with increasing international regulatory compliance mandates to create unprecedented product packaging complexity at global CPG and pharmaceutical companies," said Meir Givon, CEO for GIV GROUP. "GIV has developed a powerful solution yet lean and easy-to-use approach to those verticals. The advanced Aras enterprise SOA for PLM is incredibly powerful enabling the GIV-PLM solution best practices for product packaging with cutting edge technology."

"GIV brings deep industry knowledge of the consumer goods and pharmaceutical industry product packaging processes to the community and we welcome our newest strategic partner," said Peter Schroer, President of Aras. "GIV's exceptional reputation for leadership and innovation comes directly from customer success."

About GIV GROUP

GIV Solutions Ltd, within the GIV GROUP, provides a comprehensive approach for a wide variety of enterprise solution technologies. Since 2001, GIV-IT has specialized in PLM systems development and support. GIV GROUP has specific expertise in the complex product packaging life-cycle management

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processes in the CPG, food & beverage, and pharmaceutical verticals. GIV GROUP is privately held with global headquarters in Raanana, Israel. For additional information visit <http://www.GIV-Solutions.com> and <http://www.GIV-PLM.com>.

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IBM Helps Clients Make Faster, Smarter Decisions With New Business Process Management Software and Services

1 October 2008

IBM announced new software and services built upon **service oriented architecture** (SOA) to help clients redefine and improve their existing business processes. The ability to proactively manage their business processes allows leaders to better align their businesses and make smarter decisions. This can help reduce overall business costs and make a business more responsive to changes in the global marketplace.

If an organization's business processes are truly unique and differentiated, the cost savings and competitive advantages can be enormous. Additionally, there is the potential to streamline existing processes or create new business models altogether. New business model innovation is one of the driving forces behind the rapid growth of the **business process management** (BPM) market. For example, by monitoring key business process indicators on energy and water consumption during a heat wave, a facility manager can take action to redistribute resources. As a result, policies can be put in place to redirect production hours and the location of employees, which can save costs while enabling a company to reduce its carbon footprint.

To help clients accelerate this process improvement and business performance using BPM, IBM is introducing "business space." A customized and continuously updated desktop view of their business processes, business space allows clients to not just monitor business objects, but to anticipate operational risks and act upon the information. This new role-based, collaborative BPM capability is powered by WebSphere software and built using SOA.

Clients can view these metrics in a customized business space, which can highlight relevant business process status, appropriate application content, user collaboration tools, graphics and alerts -- all utilizing Web 2.0 functionality. By providing a consolidated view of business process content and enabling contextual collaboration around processes in one location, business space enables clients to manage their processes more effectively, make smarter decisions, and take action more quickly.

One example of the success of IBM business process management is Ball State University, which needed to simplify its Distance Education Program. This program allows students to take courses while they are not at the University, but due to a lack of system integration, students who would attempt to register for a course on the Web site were often denied access as the course would fill, before their registration request could be processed.

"We were able to streamline our processes surrounding class registration," said Fred Nay, Director, Computer Services, Ball State University. "Because we can update multiple different systems behind the scenes in real time, we have changed what was a tedious three day class registration process for students into an instantaneous experience."

Today, many great ideas for new business processes are discussed in meetings, sketched on whiteboards or entered into Visio drawing and diagramming software. It is then up to the IT team to read these artifacts and interpret them into the proper business modeling program, which is wasteful, time consuming and often leads to small mistakes that don't fully capture the original intent. Recognizing this

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problem, IBM has incorporated a number of **plug-ins into WebSphere Business Modeler** that allow users to import these ideas from common tools such as Visio, IDS Scheer and Microsoft PowerPoint. This leads to more effective collaboration between business leaders and their technical designers.

To further help clients assess their business processes, IBM is also announcing the availability of a new BPM Healthcheck. Clients who take advantage of the Healthcheck will be able to identify current strengths and shortcomings across different dimensions of their business processes. Based on this assessment, Healthcheck will suggest a BPM Strategic Roadmap that identifies the best entry points and practices for a successful deployment.

The new products and services deliver the capabilities necessary to help optimize business processes and adapt them to rapidly changing needs. As part of today's announcement, IBM is also introducing:

New capabilities to WebSphere Dynamic Process Edition, including industry-specific assets to accelerate composite business application assembly for healthcare, insurance, telecommunications and banking.

Enhancements to WebSphere Process Server that help clients modify the flow of steps within in-flight process instances by skipping activities, jumping forward and backward between activities, and adding additional activities from within their business space.

New **Product Lifecycle Management** content packs for the automotive, electronics, aerospace and defense industries.

Additional enhancements for the IBM FileNet Active Content Edition that can streamline, automate and optimize content-centric business processes by increasing process performance, reducing cycle times and improving productivity.

Updated **Cognos 8** software that helps IT and Finance engage, inform and align business users through more efficient and effective performance management processes. This can help drive better business outcomes such as growth, profitability, and timely, confident stakeholder reporting.

Faculty from more than 100 universities worldwide have now used or are evaluating IBM's serious video game, **INNOV8: a BPM Simulator**.

"Our clients are increasingly realizing that their key differentiators and competitive advantages are contained in their business processes -- not just their products or services," said Tom Rosamilia, general manager, IBM WebSphere. "Businesses are asking for visibility into these business processes and the ability to change them on the fly or iteratively to drive continuous improvement, cost-savings and innovation. Across all industries, clients require agility to succeed in today's challenging environments. IBM's BPM-powered SOA portfolio enables enterprises to look at and manage their business models in ways never before possible."

For more information, visit: www.ibm.com/software/innovate.

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Informative Graphics Brava! Available Through The EMC Select Program

1 October 2008

Informative Graphics Corporation (**IGC**) announced that its Brava!® Enterprise product is now available through EMC Select. EMC Select helps customers easily acquire all the components that comprise an

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information infrastructure. EMC customers are now able to purchase a complete document viewing, collaboration and redaction solution directly from EMC.

With Brava, EMC provides a single, simple viewing and collaboration interface for any file format, including Microsoft® Word, Adobe® PDF and TIFF. Brava has a full range of annotation tools and can publish files to PDF, TIFF or IGC's secure Content Sealed Format (CSF) with embedded Visual Rights® technology. Visual Rights allow users to add an additional layer of security to a file including an expiration date, password protection and feature restrictions like annotation, printing and more. Fully integrated to EMC Documentum Webtop and EMC Documentum TaskSpace, Brava provides organizations with a way to access and comment on files in a manner that fits the model of their staff's day-to-day business practices.

“Providing secure, controlled access to documents is important to many of our content management customers as more companies face regulation compliance issues.” said Justin Bartinoski, manager of EMC Select. “Offering products from vendors like Informative Graphics through EMC Select helps these customers achieve a solution that gives them peace of mind without sacrificing workflow or task efficiency.”

Brava allows users to view, print, annotate and redact document, image and CAD drawing files within and across the enterprise. Advantages that allow organizations to communicate more effectively, improve workflow processes and reduce IT resource requirements include:

- User-friendly interface
- Excellent fidelity
- Secure document access
- Convenient annotation tools
- Publish to PDF, TIFF or secure CSF

“We understand the difficulties facing companies today, including regulation compliance and liability concerns,” said Gary Heath, President and CEO of Informative Graphics. “We are very pleased that Brava is now available through EMC Select, making it convenient and painless for customers to complete their EMC solution with secure content access and review.”

Informative Graphics' Brava Enterprise is available immediately through EMC Select.

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JETCAM launches Lite version of Order Controller

1 October 2008

JETCAM International s.a.r.l. announced the release of JETCAM Orders Controller® (JOC) Lite. This low cost product allows 2D sheet metal parts or assemblies to be remotely ordered into a JETCAM Expert® CAD/CAM SYSTEM system for nesting.

JOC Lite provides users with a simple to use interface that allows multiple work sheets to be created, detailing comprehensive lists of parts or assemblies to be nested. This information is then passed to JETCAM Expert® for nesting.

A common configuration is for JOC Lite to be installed elsewhere within the company, usually with the

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production controller or shop floor manager. They are then able to queue up a list of orders of components or assemblies over one or more works order lists. When ready, these can then be passed automatically to JETCAM Expert® for processing. Once the nesting is complete JETCAM Expert® reports back to JOC Lite that the parts have been nested. A series of reports can also be viewed on screen.

JOC Lite also benefits from an easy installation and learning curve. During setup, all required settings are read from the existing JETCAM Expert® setup. Users can learn all of the functions of JOC Lite in under an hour, with all main capabilities usable in minutes with minimal training.

Mike Weber, Managing Director for JETCAM International s.a.r.l. commented; "JOC compliments existing user of JETCAM Expert extremely well by allowing the separation of common tasks. Production Managers can take control of workloads with a simple, dedicated application. JOC Lite is competitively priced, can be installed by the customer and requires very little training, and therefore provides a quick and easy solution to a common production problem."

JOC Lite is the entry level version of JOC Premium, which provides integration into JETCAM's RCP (Remote Control Processing) module for fully unmanned operation. JOC Premium also provides specific support for aerospace cutting technologies, along with other features including multi user support, an advanced reporting engine, material management, process management (for tracking the next manufacturing process for each job) and automatic importing/processing of CAD files.

Full product information, system requirements, screenshots and a features comparison list between the versions are available at <http://www.jetcam.com/joc.php>.

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LightWork Design Announces New Release of LightWorks

30 September 2008

LightWork Design announced the release of the latest version of LightWorks. LightWorks 7.9 focuses on introducing new ambient occlusion functionality to the LightWorks product set as well as improving support for real-world materials in both hardware and software rendering.

Key developments within LightWorks 7.9 include:

Ambient Occlusion

This new feature in LightWorks adds intelligent and predictable ambient lighting to models for greater depth, performance and realism. It is particularly useful for the lighting of interior scenes, giving fast and predictable results.

High Dynamic Range images (HDRI's)

LightWorks has created a wide variety of their own HDR images to enable users to get even more realistic lighting within their scenes. These are included within this release of LightWorks 7.9. LightWorks will be producing further HDR collections in forthcoming releases as part of their on-going development work.

Specular Final Gather

This feature has been refined to optimise workflow so that the smoother the surface, the less work is actually spent in calculating the specular final gather results. This technique makes image rendering

much faster.

Complex Reflectance Shaders

LightWorks has created a range of new shaders for their latest release, aimed at providing users with the ability to create a wider range of even more realistic effects. The new shaders include: glossy, blurred and frosted glass, which allow the creation of glossy plastics, brushed metals, car paints, varnished surfaces and lacquered finishes.

CgFX

LightWorks now enables customers to extend effects in real-time rendering by using external CgFX materials.

About LightWork Design

LightWork Design is a leading supplier of rendering solutions for developers of advanced 3D computer graphics software. Known for its physically accurate visualisation of real-world objects and environments, LightWorks is the ideal choice for applications targeted at the AEC, Configuration, and Industrial markets. LightWorks is supplied as a complete solution which includes the SDK, support, training and consultancy services, to give customers fast and efficient access to leading-edge rendering technology, resulting in shorter development cycles, faster time-to-market for new products, and lower software development costs.

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LMS Releases Modelica-Compliant LMS Imagine.Lab AMESim 1D Multi-Domain System Simulation Platform

1 October 2008

[LMS](#) announced that its newly released LMS Imagine.Lab AMESim Rev 8A supports the open-source Modelica programming language standard. Modelica is an object-oriented, multi-domain modeling language for component-oriented modeling of complex systems, e.g. systems containing mechanical, electrical, hydraulic, thermal, control or electric power subcomponents.

Over the past three years, LMS has incrementally incorporated Modelica support LMS Imagine.Lab AMESim, a complete 1D simulation suite to model and analyze multi-domain, intelligent systems and predict their performance. The components of the model are described by mathematical equations representing the system behavior. To create a system simulation model in LMS Imagine.Lab AMESim, users can take advantage of packaged solutions including specific tools and application libraries of pre-defined components for different physical domains.

The capability to import, edit and compile Modelica-based models in LMS Imagine.Lab AMESim

Rev 8A confirms LMS' commitment to the Modelica standard. In the future, LMS will continue to play a leading role in various Modelica-related pan-European projects as well as incorporating new Modelica developments in future releases. "LMS' strategy is to offer an open system simulation platform to model, simulate and analyze multi-domain systems," stated Jan Leuridan, Chief Technology Officer, LMS International. "The LMS Imagine.Lab AMESim platform provides a set of off-the-shelf application-specific solutions so our customers can rapidly evaluate functional product performance. Supporting Modelica extends the standard capabilities of LMS Imagine.Lab AMESim to include native AMESim as well as Modelica-based models."

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The Modelica open-source programming community is clearly growing as is multi-domain system simulation, a highly strategic process for developing competitive product designs. With LMS Imagine.Lab AMESim Rev 8A, LMS customers will be able to take advantage of tools and application libraries from both AMESim software developers and the Modelica community.

"I am delighted that LMS has selected the Modelica open source language," commented Daniel Bouskela from the Research & Development division of Electricité de France (EDF). "Our strategy at EDF R&D is to strongly endorse promising open standards such as Modelica to ensure the long-term continuity of our power plant models. LMS' decision will certainly help Modelica gain more recognition in the industry."

"The LMS Imagine.Lab AMESim platform is today widely used at PSA PEUGEOT CITROËN to model full vehicle power systems," testified Franck Guillemard, mechatronics department manager at PSA PEUGEOT CITROËN. "Modelica is an innovating, promising language about to become an industry standard for system modeling. LMS' decision to integrate this open source language in its simulation platform further endorses PSA's confidence in LMS Imagine.Lab AMESim."

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SewerCAD V8 XM Enables Utilities, Municipalities, and Consultants to Run Projects at Lower Cost and Precisely Evaluate and Design Capacity in Sanitary Wastewater Collection Systems

24 September 2008

Bentley Systems, Incorporated announced the release of SewerCAD V8 XM Edition, a tool for sewer design and rehabilitation. SewerCAD V8 XM provides modeling tools featuring an easy-to-use interface and advanced capabilities that enable engineers from municipalities, utilities, and consulting firms to get the most value from their capital improvement funds. The new tools help engineers cost-effectively evaluate capacity, size pipes, select pumps, and identify the locations of potential overflows, and are particularly well suited for systems that are a mix of gravity and pressure flow. Included in SewerCAD V8 XM's many new capabilities are advanced thematic mapping, configurable element symbology, and improved utilities that allow users to convert and integrate data from CAD, GIS, and other data stores. The latter means that users do not have to recreate existing CAD or GIS data, saving them substantial time on complex projects and enhancing their ability to support owner-operators using a variety of data sources.

Commenting on the new SewerCAD, Ryan Johnson, program manager at Veolia Water North America, said, "We have applied SewerCAD on several important projects with great success. Its incredibly short learning curve and ease of use increase our productivity, and its broad set of feature-rich tools improves the quality of our designs."

Said Thomas Walski, Bentley SewerCAD product manager, "SewerCAD's features, stability, and performance were developed specifically for the needs of engineers working on the hydraulic aspects of wastewater collection systems. As a result, users of this software won't face the frustrations commonly associated with overly complex modeling engines – including the need to constantly readjust the input data and modeling assumptions."

Walski continued, "An array of new features in SewerCAD V8 XM facilitates everything from designing a small subdivision to working on huge systems with a mix of gravity and pumped networks. For example, the newly included LoadBuilder module helps modelers allocate sewer loads based on a variety of GIS-based sources such as customer water-use data, area-wide flow measurement, or

polygons with known population or land use.”

Additional new features in SewerCAD V8 XM include:

- Air valves at high points in force mains,
- TRex for automated ground elevation data assignment,
- Tractive stress calculations,
- Active topology,
- Interpolating properties between elements,
- Accurate variable speed pump analysis,
- Improved graphing of dynamic results,
- Engineering profiles in DXF,
- Network navigator,
- Ability to import StormCAD and SewerGEMS models,
- System head curves,
- Easier creation of controls,
- Complex manifolded pump stations/force mains,
- Great numerical stability/performance,
- Enhanced graphical user interface featuring dynamic zooming, named views library, and dockable windows,
- AutoCAD 2009 support.

The constraint-based design features in SewerCAD enable modelers to automatically design gravity piping and structures. They allow users to specify elements to be designed, from a single pipe size to the entire system, by simply entering the design restrictions, including minimum and maximum velocities, covers and slopes; pipe and manhole matching offsets; and allow or disallow drop structures. SewerCAD will automatically determine cost-effective pipe sizes and invert elevations, eliminating unnecessary pipe trench excavation.

SewerCAD V8 XM is now generally available. To learn more about SewerCAD, visit <http://www.bentley.com/SewerCAD>.



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Spatial Introduces Industry First Thread-Safe 3D Modeling Component

30 September 2008

[Spatial Corp.](#) announced immediate availability of [Thread-Safe ACIS Modeler](#), the first commercially available thread-safe 3D geometric modeling component. Thread-safe ACIS allows applications to employ concurrent threads of execution within ACIS. For compute-intensive operations, the result is near linear performance scaling on multi-core systems. Computer-aided design (CAD), engineering (CAE) and manufacturing (CAM) applications can realize significant performance gains when faceting,

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sectioning, and performing most ACIS modeling operations which work on multiple independent parts. In contrast to multi-threaded components that utilize 'fine grain parallelism,' Thread-Safe ACIS offers application developers the prospect to achieve performance gains within their own application and under their own control.

"The future of software programming is in enabling applications to take full advantage of multi-core hardware platforms. Thread-Safe ACIS helps with the development of multi-threaded applications which can lead to significant performance advantages," stated James Reinders, Director of Marketing and Sales for [Intel's Software Development Products](#). "Any software developers not already developing multi-threaded applications should be engaged in learning how best to code their software applications for today's multi-core, and tomorrow's many core processors."

At the core of Thread-Safe ACIS is the 3D ACIS Modeler, the geometry component for thousands of applications world-wide and on over 1.5 million end-user seats. ACIS features an open, object-oriented C++ architecture that enables robust, 3D modeling capabilities for applications with simple to complex modeling needs. Thread-Safe ACIS enables developers to take advantage of multi-core architectures and provides the best approach to address their biggest application performance challenges.

Thread-Safe ACIS was designed in response to two major industry trends: designers modeling larger and more complex assemblies requiring higher application performance, and the rise of multi-core hardware platforms, with predictions of 128-core processors in five years. Because Thread-Safe ACIS allows applications to utilize 'coarse-grain parallelism,' scalability is ensured today and into the future. Examples of compute-intensive tasks that can benefit from implementing Thread-Safe ACIS include multi-body feature regeneration, faceting, and sectioning/slicing. Using an Intel X5460-based 8-core workstation these modeling operations have shown near linear scaling.

"As a 3D software component provider, we have a responsibility to anticipate the future technology needs of our development partners because tomorrow's end-user applications are being developed today. It is clear that the next wave of application performance gains is best achievable by taking advantage of multi-core processors. These platforms are already pervasive in today's end-user environments," commented John Alpine, Spatial VP of Research and Development. "Our customers understand that some development effort is necessary to achieve performance gains. Thread-Safe ACIS Modeler offers them a way to achieve significant gains from their development efforts."

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Synopsys Delivers 2X Speed-Up With IC Compiler 2008.09

29 September 2008

[Synopsys, Inc.](#) announced the availability of IC Compiler 2008.09, delivering a boost in IC designer productivity. The latest release features faster runtimes across the board, leading to a 2X to 3X speed-up in overall turnaround time. This release also introduces new technology that speeds design closure including improved timing, variation-aware clock-tree synthesis, lower power, enhanced DFM, and signoff-quality incremental design- rule checking. With this release, the recently-announced Zroute technology delivering a 10-fold speed-up in routing is now available as a standard feature to all IC Compiler customers.

"We have seen 2X to-3X improvements in turn-around time with our current release of IC Compiler on some of our multi-voltage designs," says Danny Merchant, senior director of Corporate CAD from Cypress Semiconductor Corp. "With the latest advances in IC Compiler 2008.09, we expect further

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performance improvements and look forward to a faster production flow."

Compared to the prior release (2007.03), the new IC Compiler 2008.09 release has demonstrated an average speed-up of 2X across a broad set of customer designs. A total of 3X speed-up may be achieved by enabling multi-threading on quad-core machines that are commonly used in the IC Compiler customer base. Synopsys has observed even higher speed-up in select customer cases through methodology review and optimization. Key technologies leading to the increase in speed include enhanced placement optimization, faster signal-integrity closure and hold-time fixing, faster multi-corner/multi-mode, improvements in multi-threaded placement and the newly-released Zroute technology. IC Compiler 2008.09 further speeds up design closure by introducing a number of new and enhanced technologies. Clock tree synthesis now includes concurrent multi-corner optimization and new low-power techniques. A new clock-mesh capability is included to generate variation-tolerant clock structures. New DFM capabilities include via-minimization, redundant via optimization and lithography-friendly routing. Signoff quality design-rule-checking using foundry run-sets can now be invoked from inside IC Compiler to perform incremental area-based checking, helping reduce turnaround time from hours to minutes.

"Aggressive technology innovations along with differentiated results have helped IC Compiler become the technology-leading product in the place-and-route market," said Antun Domic, senior vice president and general manager, Synopsys Implementation Group. "Speeding up turnaround time has been a key target for us, and IC Compiler 2008.09 delivers a major installment towards this target. Our customers can expect to fruitfully leverage the new capabilities across all of their applications."

IC Compiler 2008.09 is available to all current customers now. The release includes a quad-core license of Zroute technology as a standard feature. Many of the enhancements in 2008.09 are also available in the latest service-pack of the current release for those customers who are unable to immediately consider a platform change.

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VersaCAD 2008 for Windows To Ship

22 September 2008

Archway Systems, Inc. announced VersaCAD 2008 will ship on October 1.

"Following the lead of Microsoft, the new XML based file format offers the maximum in openness and extensibility," says Mike Lazear, president and CTO of Archway Systems.

Anthony Frausto, noted CAD expert, had this to say, "2D is a weakness in 3D systems and besides, not all work requires 3D. VersaCAD plays an important part in supplementing 3D systems or as the proper tool for 2D work. VersaCAD has had a glorious history since first introduction, time tested by creative designers in disciplines including: architectural layout, store planning, mechanical designs, schematics and even design of Macadamia Nut processing plants in Hawaii. Quite a few users of high end expensive software like AutoCAD do work that VersaCAD can handle. In fact, more quickly, more productively and at far less cost. Using Google's SketchUp for 3D conceptual work and VersaCAD Mac for production design drafting makes a lot of practical sense."

XML (eXtensible Markup Language) is an industry standard for application file formats. The basic idea is to give the owners of the data control of the data, rather than the software publisher having the user locked in. Notice that all the new Microsoft Office applications have a new file format with an "x"

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added. Similarly, VersaCAD's new file format extension is .2dx rather than the older .2d VersaCAD 2008 can read and write any older file format.

VersaCAD 2008 is tuned to run with Windows Vista while maintaining compatibility with Windows XP, and Windows 2000 . VersaCAD 2008 still has a tiny footprint compared to contemporaries and so can run on computers with smaller memory.

VersaCAD capacity has been increased to the point that it is now only limited by the size of the computer. Drawings have been processed with over half million objects. While not all users of VersaCAD ran into the old limit of 65,000 objects, many users ran into the problem while trying to convert AutoCAD files into VersaCAD format. AutoCAD files had to be split and converted in chunks. That problem is a thing of the past. The translator has been improved not only by incorporating the latest from Open Design, which now includes release 2007, 2008 and 2009, but, also by now including many later AutoCAD entities that previously were ignored.

New features inside VersaCAD include: Recent-files on File menu, Bill of Material added to File menu, Nested Symbols, improved grid, built-in 100 fonts, new organization of symbol libraries by discipline, and much more.

All these changes have been made while still preserving the API for applications so no changes to existing applications are required. Also, VersaCAD's single keystroke command entry which yields the shortest learning curve and maximum CAD productivity for any discipline.

VersaCAD 2008 is available now for purchase. Price is unchanged at \$795 per license (\$195 for academic use). Existing subscribers of Premium Service will be sent the new release by October 1. The annual price of Premium Service hasn't increased in 10 years: \$595 for the first license owned. If more than one license owned, the added fee to cover each additional license is just \$200. Unlimited corporate licenses are available starting at \$1000 per year for small companies on up to \$3500 per year for the largest companies. For academic institutions, the unlimited campus license is still a bargain at \$595 per year.

VersaCAD Software Availability

VersaCAD software is available through a worldwide network of resellers that can be found via the company's website at <http://www.versacad.co> or directly from Archway.

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Zweave Announces the Release of Version 2.0 of Their Best-In-Class Product Lifecycle Management (PLM) Solution for Trend-Driven Consumer Products

15 September 2008

[Zweave Inc.](#)'s PLM for fashion, Zdesign 2.0, is complete and available to current and future customers. Zdesign PLM is designed specifically for the retail, footwear and apparel industries BY product design and development experts FOR product design and development experts.

“We are extremely pleased with our latest version of the Zdesign solution” said Laura McCann, Zweave's CEO. “Our enhancements included adding significant functionality across the entire lifecycle of product design and development and upgrading our user interfaces based on customer feedback.”

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Zdesign is available on-demand (software as a service) or as a traditional enterprise software license. This flexibility is a key to delivering a solution that meets the unique needs of each customer.

Zdesign's solution consists of 11 modular "studios" that all work seamlessly together but also allow for segmentation of work by task and job function. The results are an easy to use system that is both efficient and powerful. Zdesign 2.0 has complete functionality in: trend, merchandising, color, fabric, material, fit, design, graphics, packaging and a showroom. A follow on release of version 2.5 is slated for the end of October and will round out the entire lifecycle with studios addressing: samples, costing, vendor management, production and marketing materials.

"We are pleased that our solution is helping customers run better businesses and design better products," said McCann. "Zdesign On-Demand provides a powerful and easy-to-use solution for companies in the consumer goods industries."

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