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CIMdata News

Vote Now in our Latest Poll Concerning Product Success Factors and Product Design Priorities

17 July 2009

What factors have the most impact on new product success? Who sets priorities for new product design? Your input is important to provide insight on these important questions.

Vote [now](#)

The results of these polls are tabulated as you vote. The results are completely anonymous.

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Company News

Autodesk Recognizes Mid-West CAD as Reseller of the Quarter for Q1 FY2010

14 July 2009

Autodesk announced that it has selected Lee's Summit Missouri-based, [Mid-West CAD](#) as Reseller of the Quarter for the Americas for the first quarter of fiscal year 2010. The designation recognizes the reseller not only for its sales performance and dedication to customer service, but also for the growth of its operations and its investments in the business of selling Autodesk software. Autodesk selected Mid-West CAD from among more than 100 resellers throughout the Americas.

"Mid-West CAD is very deserving of this recognition," said Bill Griffin, vice president, Americas Sales, Autodesk. "Not only did Mid-West CAD meet sales expectations, the company exceeded them with a 50 percent increase in year over year growth. That's not an easy feat in this economy."

Mid-West CAD is an Autodesk Premier Solutions Provider (PSP), Autodesk's highest level of authorization, and has served Kansas City and the Mid-states region as a dedicated Autodesk reseller since 1985. As one of Autodesk's oldest Authorized Autodesk Training Centers (ATC), Mid-West CAD has trained more than 10,000 students on Autodesk software.

"Our clients value our involvement throughout their Autodesk software experience in areas such as training, customer service, implementation and project specific mentoring," said Roger Roberts, president of Mid-West CAD. "We're committed to helping our customers innovate and succeed with [Autodesk](#) software, and we thank them for making it possible for us to receive this award."

Mid-West CAD works with customers in general and infrastructure design, architecture, engineering, construction and geospatial industries in commercial, government, and educational sectors. The reseller delivers trainings such as full week sessions around Building Information Modeling (BIM) and arranging forums for CAD users to discuss best practices.

The company's client event, CAD Midwest Technology Expo, takes place for the 11th consecutive year on September 22nd, and will help users navigate fundamental technology shifts facing the CAD industry.

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Chung Yuan Christian University Receives In-Kind Software Grant Valued at US\$35 Million from Siemens PLM Software

13 July 2009

[Siemens PLM Software](#) announced an in-kind software and services grant with a commercial value of US\$35 million to Chung Yuan Christian University (CYCU) to help strengthen the university's development of a mechanical mold design navigation system and training courses.

The in-kind software grant, made through Siemens PLM Software's [Global Opportunities in Product Lifecycle Management \(GO PLM™\)](#) Program, is expected to benefit nearly 1,000 students. It will help improve the training standards for students in the mold and molding design field, and establish a next-generation mold design development system and a knowledge management platform integrating IT and technical expertise.

CIMdata PLM Industry Summary

The in-kind software grant includes [NX™ software](#), Siemens PLM Software's digital product development solution which includes computer-aided design, -manufacturing and -engineering (CAD/CAM/CAE) applications. CYCU has been commissioned by well-known information and communication companies to develop a mold design navigation system with the NX solution. Via the intellectualized mold, the system can accelerate multi-layer reviews of mold design, including a feasibility analysis of mold manufacturing, a computer-aided system of mold development and design, automatic establishment and management of online statements, and mold design management.

"CYCU is dedicated to developing a streamlined, quality driven design process in the mold design field by adopting advanced design tools and methods. We have an established knowledge management platform to automatically gather and reutilize the existing mold design and molding knowledge, so that the manpower and technological investment previously accumulated can exhibit greater values," said Professor Chen Shia-chun, Dean of Engineering College of CYCU. "Through the in-kind software grant from Siemens PLM Software, we will further extend our practical experience into a wider range of teaching and research fields for teachers and students in mechanical engineering to really grasp the pulse of the state-of-the-art technology. Not only is this conducive to strengthening students' training intensity, it can help enhance our school's academic research status in the mold and molding design field. NX provides the opportunity to develop a knowledge management platform and a next-generation mold design system that feature high quality, reasonable cost, fast speed and good service."

"We are honored to partner with CYCU to provide industry leading PLM solutions as the training tool for mold design talent in the university and its graduate institutes," said Yin-chun Chuang, general manager of Siemens PLM Software, Taiwan. "We hope that through this in-kind software grant students will have the opportunity to gain a better understanding of how computer-aided engineering tools can noticeably boost the management efficiency of the entire design process. With the knowledge management database taking shape, we also expect to pass down the valuable experience to develop greater values of innovation."

GO PLM Program

Siemens PLM Software's GO PLM™ Program brings together four complementary community involvement programs focused on academic partnership, regional productivity, youth and displaced worker development and the PACE (Partners for the Advancement of Collaborative Engineering Education) program. GO PLM provides PLM technology to more than 1,000,000 students yearly at nearly 10,200 global institutions, where it is used at every academic level – from middle schools to graduate engineering research programs. For more information on GO PLM and the partners and programs it supports, visit www.siemens.com/partners/goplum.

About Chung Yuan Christian University

Chung Yuan Christian University was established in 1955. Its organization includes seven colleges, 27 departments, 25 masters programs and 13 PhD programs, with around 15,000 students in total. Detailed information can be found at <http://www.cycu.edu.tw/>.

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Cognizant Announces a Global Product Research and Development Relationship with Invensys Operations Management

16 July 2009

CIMdata PLM Industry Summary

Cognizant a leading provider of consulting, technology, and business process outsourcing services, announced a global product research and development alliance with Invensys Operations Management, a global provider of technology systems, software solutions and consulting services to the process and manufacturing industries.

As a part of this relationship, Cognizant has signed an initial five-year, multi-million dollar contract with Invensys Operations Management to augment and maintain Invensys' suite of products, and bring in greater operational efficiency, scalability, consistency and cost-effectiveness to its global product R&D processes. To realize this goal, offers to join Cognizant will be made to over 400 Invensys Operations Management professionals from its existing R&D center in Hyderabad.

This relationship will strengthen Cognizant's strong presence in the manufacturing industry and strengthen its ability to provide end-to-end services to its customers. It will enable Cognizant to further expand its customer base in discrete manufacturing, process manufacturing, energy and utilities, pharmaceutical, and consumer goods segments with services and offerings in Product Lifecycle Management (PLM), Manufacturing Operations Management (MOM), and Enterprise Asset Management (EAM). These offerings will be supported through global engineering services in the areas of product design and development, industrial automation and control, and asset reliability engineering, leveraging Cognizant's proven global delivery model and presence around the world to provide localized and industry-specific skills.

"This relationship is significant," said Sudipta Bhattacharya, Chief Executive Officer and President, Invensys Operations Management. "The manufacturing technology market is at an inflection point as companies move to seamlessly stitch plant floor applications to enterprise applications to access and act on real-time manufacturing information. There is significant innovation happening at this intersection of the real-time manufacturing execution world and the transaction based enterprise world. In Cognizant we have found a partner who shares our vision around where the market is headed for the next generation of engineering services and manufacturing operations solutions, and brings synergistic product development and software engineering capabilities and leading edge tools like Cognizant 2.0 to realize this vision. We expect to be able to learn from the strengths each of us brings to the table."

"We are pleased to partner with Invensys Operations Management and welcome on board their highly talented and experienced professionals in Hyderabad," said Francisco D'Souza, President and CEO, Cognizant. "Cognizant is committed to working with Invensys Operations Management by leveraging these talented individuals, and we are confident we will significantly augment Invensys' ability to innovate and ramp up the delivery of products by blending that talent with our own world-class consulting, enterprise integration, services-based architecture, business intelligence, supply chain and product lifecycle management capabilities. This multi-dimensional relationship, along with the domain expertise that Invensys Operations Management provides, will help both companies solidify our leadership positions in the manufacturing space, expand our range of capabilities in engineering services, and jointly drive further growth in many of the verticals where we have, and will continue to demonstrate, thought leadership. We believe such collaborative innovation is the wave of the future and we are excited at the possibilities that will come about through this relationship."

To learn more about Invensys Operations Management, visit <http://www.invensys.com>.

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CIMdata PLM Industry Summary

Delcam Launches Delcam.TV Online TV Channel

13 July 2009

Delcam has launched its own online TV channel, Delcam TV, on <http://www.delcam.tv> Delcam is believed to be the first CAD/CAM company to invest significantly in this new marketing medium.

Customer testimonials are featured covering design, manufacturing and inspection across a range of industries such as aerospace, automotive, orthotics, dental, robotics, sculpting, jewellery, coin-making and signmaking. These examples show viewers how Delcam users have revolutionised their businesses with the company's comprehensive software solutions. As well as illustrating the diversity of Delcam's user base across the world, the testimonials may also inspire viewers to explore new business opportunities with the software.

Existing Delcam users can benefit from product videos showing the latest developments in the software and highlighting tips and tricks to further improve their productivity. Content can be viewed online or downloaded to be played on a range of media players. Viewers can share videos with friends and colleagues directly from Delcam TV. Delcam TV also supports mobile phone platforms, ensuring content is easily accessible for users on the move.

Many of the videos feature different aspects of machining. New material from Delcam's machine tool partners will soon be added to demonstrate to users how Delcam's software solutions can increase the productivity and quality of their equipment.

"More and more of our prospective customers are using the internet to gather information on different CAD/CAM systems," explained Delcam's Multimedia Manager, Fabio De Rosa. "We believe that our new TV channel will provide even more evidence of the need for companies to consider Delcam software when they are looking at improving their CAD/CAM system."

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Hagerman & Company Now Offers Autodesk Plant Solutions Software

15 July 2009

[Hagerman & Company, Inc.](#), one of America's largest value-added resellers of [Autodesk](#) software, recently became authorized to offer Autodesk Plant solutions software nationwide. Autodesk Plant Solutions address all aspects of plant design and engineering, allowing customers to visualize all aspects of plant operations before the actual physical plant layout is completed.

The Autodesk Plant Solutions suite of products includes [AutoCAD P&ID 2010](#) software, which was created in response to users increased desire to simplify plant design. AutoCAD P&ID is built on AutoCAD software and is positioned to decrease costs and increase efficiency for designers in the process plant industry. In addition, [Autodesk Navisworks](#) is useful in plant visualization and clash detection, enabling smoother real-time visualization of all types of models. Finally, the soon to be released Autodesk Plant 3D will address how to bring in an Autodesk Inventor file and what part of that file will be relevant to the plant design.

"As part of our growth strategy, we are continually looking at new product and service offerings for CAD customers, and Autodesk Plant Solutions is a good fit for us," said Dennis A. Hagerman, president and CEO of Hagerman & Company, Inc. *"New offerings are even more important during a recession when existing revenue streams are under pressure. New products such as AutoCAD P&ID now and*

CIMdata PLM Industry Summary

Autodesk Plant 3D in the future, and the services we offer to support these products, can help to fill the gap.”

About Hagerman & Company, Inc.

Hagerman & Company, Inc. is a Value Added Reseller/System Integrator (VAR/SI) and Consultant that serves [19 locations nationwide](#). The Company is a large software supplier to manufacturing companies, industrial design firms, AEC and civil design firms, and the government. In addition Hagerman & Company provides expert training, support and consulting services.

Hagerman & Company's products and services encompass three broad lines of business; namely, CAD/CAM, Consulting Services, and Customer Relationship Management (CRM). In addition the company both sells and supports the hardware, operating system, network, and Internet technologies and platforms that underlie these systems.

Hagerman & Company is a 25 year Autodesk reseller and Microsoft Certified Solution Provider, and also represents major software developers including Planit (CAM), BlueCielo (ECM), and Pivotal Software (CRM). The company also sells and maintains the Stratasys Dimension Series 3D printers.

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MCAD Modelling and 3D Printing is so Easy with KOMPAS

13 July 2009

ASCON, developer and integrator of CAD/AEC/PLM solutions, and Cybercom Ltd., authorized reseller of Z Corporation – producer of 3D printers, signed a strategic partnership agreement.

Two companies are intended to implement a project of integration of 3D printing abilities in professional and modern KOMPAS solutions. “*This integration to allow designers and engineers to create physical 3D models of their projects fast and easy - 3D printers print products direct from CAD system, such as do ordinary 2D printers with text data*”, - said Mr. Golovunin, Sales Manager Cybercom Ltd.

“*ASCON closely collaborates with hardware developers*”, - mentioned Mr. Osnach, Chief Marketing Officer ASCON. - “*The aim is to enable users of KOMPAS-3D to get maximum advantages from using of the latest technologies on the market. The ability quickly to prototype a new product makes process of developing even faster, and we hope that users of our software solutions will highly appreciate our initiative*”. ASCON will play a part of consultant in questions of software integration in production process of Cybercom' customers. The partnership also includes a joint marketing programs.

Signing of this agreement is a part of policy of complex cooperation with leading CAD/AEC/PLM solutions developers pursuing by Cybercom Ltd. Companies are sure that their partnership will lead to development of modern technologies and successful usage in different industries.

KOMPAS-3D, the Mechanical CAD solution from ASCON provides effective industrial product development, release of design and drafting documentation at affordable and reasonable price.

KOMPAS-3D combines all basic features for Professional, Parametric 3D Modelling, full-scale 2D Design and Drafting opportunities, special add-ons for photo rendering, motion simulation, kinematic and dynamic analysis, import/export from other CAD/AEC/PLM solutions.

Special Offers from ASCON:

CIMdata PLM Industry Summary

CAD for RENT – rent KOMPAS-3D at 75 euro per month

CAD TRADE IN – exchange Your outdated CAD to KOMPAS-3D with 50% discount

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Mentor Graphics Signs Trident Techlabs as New Distributor in India

16 July 2009

Mentor Graphics Corp. announced signing Trident Techlabs Pvt. Ltd, previously a reseller of Altium's products, as a distributor in India. Trident will offer Mentor's PCB and ASIC/FPGA products for systems design —Expedition® Enterprise and PADS® PCB design flows, the ModelSim® product for ASIC and FPGA simulation, the Questa® platform for advanced functional verification, and the HyperLynx® family for high-speed PCB interconnect simulations. This portfolio is tuned to the needs of Indian companies who are developing increasingly complex electronic systems.

“With the growing need for high-speed, advanced design technologies and globalization, companies in India’s electronics industry need to improve their design and analysis capabilities, upgrading from outdated design tools to solutions that meet scalable needs – from the casual engineer to the most complex solutions,” stated Nilesh Paldhikar, executive director with Trident Techlabs. “Our company is serving all markets, from casual designers through mission critical systems development as well as the entire academic market. We recognized Mentor Graphics as the only solution provider who can provide an affordable innovative technology to users of individual desktop tool solutions as well as to enterprises with more complex design processes and organizations. The PADS and Expedition Enterprise flows give our customers the scalability, power and ease-of-use they need. HyperLynx is the industry leading pre- and post-route signal and power integrity analysis product, combining intuitive ease-of-use with accuracy into the high gigabit segment. ModelSim and Questa for advanced ASIC and FPGA verification give engineers a full solution to complex systems design.”

“We are pleased to expand our reach in India with Trident Techlabs,” said Rick Bosshardt, vice president of Mentor’s Geography and Distribution Channel. “India is a very dynamic and fast-growing market place for electronics design. With Trident Techlabs, we will be able to expand and serve our customers better in five regions: Bangalore, Chennai, Delhi, Hyderabad and Pune. Trident has an excellent track record in the public, research and educational sector as well as within the electronics industry. In addition to their experience as a former Altium reseller, Trident will allow us to expand very quickly by offering the industry’s best design products to every electrical and PCB design engineer in India.”

Over the past year, Mentor Graphics has made significant enhancements and added industry-unique and innovative technologies to their PCB design flows:

The PADS 9.0 release adds new levels of functionality, scalability and integration, enabling designers to leverage many of Mentor’s technologies for design, analysis and manufacturing preparation.

The HyperLynx 8.0 release expands the signal integrity solution with easy-to-use and accurate power integrity analysis as well as new functionality to analyze advanced interconnect methods like DDR2/3.

To serve mid-sized to large companies, the Expedition Enterprise flow focuses on designer productivity, the use of advanced PCB fabrication and IC technologies, and multi-discipline collaboration of globally-dispersed design teams to improve the complete product development process.

CIMdata PLM Industry Summary

For the functional verification of complex SoCs and ASICs, the Questa verification platform delivers the full value of advanced verification and debug technologies within a comprehensive verification solution based on a metrics-driven verification management system. The Questa platform spans the levels of abstraction required for complex SoC and FPGA design and verification.

In addition, Mentor was the first to combine single kernel simulator technology with a unified debug environment for Verilog, VHDL, and SystemC. The combination of native single kernel simulator performance with the best integrated debug and analysis environment makes ModelSim the simulator of choice for both ASIC and FPGA design. The best standards and platform support in the industry make it easy to adopt in the majority of process and tool flows.

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Ricoh Joins Power Forward Initiative

15 July 2009

Cadence Design Systems, Inc. announced that Ricoh Co., Ltd. has joined the Power Forward Initiative after completing two complex power management system-on-chip (SoC) designs using the [Cadence® Low-Power Solution](#). As a result of this success, Ricoh is driving the use of the Common Power Format (CPF)-enabled low-power methodology. Membership in the Power Forward Initiative also enables Ricoh to contribute directly to the improvement of low-power design technology.

“The complexity of our chip designs, and the associated market requirements, demand that we use the best technologies and methodologies available,” said Fumiaki Kadowaki, manager of the CAD Engineering Section, Imaging System LSI Development Center, Electronic Devices Company at Ricoh. “The completeness of the [Cadence](#) automated solution for designing power shut-off and multiple supply/multiple power domains provided productivity benefits and greatly reduced risk versus traditional approaches.”

The Cadence Low-Power Solution enables power shut-off simulation using the Incisive® Enterprise Simulator; automated power shut-off and multi-supply voltage synthesis using Encounter® RTL Compiler global synthesis; and comprehensive verification using the Encounter Conformal® Low Power solution. In addition, the Encounter Digital Implementation System offers a comprehensive floorplanning, prototyping, placement, routing and sign-off solution for challenging low-power designs. The low-power design methodology leverages the Common Power Format to enable a single, golden specification for low-power design intent to drive both the design and verification processes.

“We’re happy to see both new tapeout successes for Ricoh and for the Cadence Low-Power Solution,” said Chi-Ping Hsu, senior vice president of research and development for the implementation group at Cadence. “By joining the Power Forward Initiative, Ricoh exemplifies the advancement of systems companies involvement in this important low-power ecosystem.”

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Zuken Appoints StarCad Oy to be the Sole Finland CADSTAR VAR (Value Added Reseller)

15 July 2009

Zuken announced that as of July 15, 2009 the company StarCad Oy will be taking on CADSTAR distribution as the sole VAR in the diverse Finland territory.

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Henceforth StarCad Oy will be responsible for all CADSTAR sales and first line support. Existing customers of the previous and second VAR, INCA, will automatically be transferred to StarCad Oy, as the sole contact for all CADSTAR sales and support in Finland.

CADSTAR has recently introduced several new modules, like the new 3D tool BoardModeler Lite, and DRAGON auto-router.

CADSTAR Distribution Manager Jeroen Leinders stated, "Zuken has a long standing relationship with StarCad Oy - the company has been involved with CADSTAR almost from the outset. StarCad Oy was formed in 1993 and has since then grown their services to include training, EDA design software sales and PCB layout service. StarCad Oy brings considerable experience in representing EDA design software packages and we are very much looking forward to working with them in the coming years."

"StarCad Oy are delighted to be announced as the sole distributor of CADSTAR in Finland and we are excited to be representing this renowned software on behalf of Zuken," said Mr Kari Tarvasaho, Manager, StarCad Oy.

To find out more about CADSTAR go to <http://www.zuken.com/cadstar> or for more details on StarCad Oy please visit <http://www.starcad.net>

About StarCad Oy

StarCad Oy was formed in 1993 and began trading as a Limited company in 1996. Based in Espoo, StarCad Oy has a broad customer base across Finland where they deliver PCB layout service, CADSTAR sales and CADSTAR user training.

StarCad Oy

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Events News

AVEVA Unveils Instrumentation Product at ISA Expo to Enhance AVEVA Plant

15 July 2009

AVEVA Group plc will launch a new and upgraded AVEVA product solution, AVEVA Instrumentation, at the ISA Expo 2009, October 6-8 in Houston.

CIMdata PLM Industry Summary

An important addition to the AVEVA Plant portfolio, AVEVA Instrumentation is a feature-rich suite of integrated applications for the efficient specification, design and maintenance of all plant instrumentation and control systems. AVEVA Instrumentation is suited to the needs both of plant Engineering, Procurement and Construction (EPC) contractors and of Owner Operators (OOs), providing a complete lifecycle solution. It can be used as an effective stand-alone product, or integrated with other AVEVA applications.

"Instrumentation is an important addition to our product range and with this new technology we will be able to leapfrog existing competitor products to offer customers the very latest technology which is also integrated with the powerful AVEVA database," commented Richard Longdon, CEO, AVEVA.

AVEVA's Integrated Engineering and Design approach incorporates all plant engineering and AVEVA PDMS 3D design data within a single AVEVA model database. This approach will be further strengthened with the launch of this new product - AVEVA Instrumentation for plant solutions. No additional foundation software is needed. The data is fully controlled, and can be used across all phases of engineering and design supporting fast, error-free design of a plant.

To support the product launch, AVEVA has invested in exhibiting at the ISA Expo. The pavilion will host an Asset Lifecycle Management (ALM) Knowledge Exchange and Technology Showcase that will include a series of educational workshops and presentations by end users and leading technology suppliers.

Visit AVEVA at booth number 2649 at the ISA Expo to see the Integrated Engineering and Design approach of AVEVA Plant including, its new product AVEVA Instrumentation.

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Cadence Showcases Comprehensive Design Solutions at 46th DAC

15 July 2009

Cadence Design Systems, Inc. will showcase a variety of solutions highlighting the company's technology leadership at the 46th annual Design Automation Conference (DAC), July 26-31 in San Francisco. In collaboration with customers and ecosystem partners, Cadence will demonstrate these innovations in multiple venues, emphasizing the depth and breadth of its focus on methodologies and solutions that support design projects in both leading edge and mainstream process technologies.

"Over the past year, Cadence has led the investment in new technologies that are vital to the continued success of our customers, and to the electronics industry," said Lip-Bu Tan, president and CEO of Cadence Design Systems. "As the industry's premier conference, DAC provides Cadence with a valuable opportunity to share our latest advances in core technologies and solutions with customers."

The latest developments in system solutions, low-power, advanced node, mixed-signal, and enterprise verification will be shown in the Cadence demo suites in booth #3751:

- **SystemC TLM-Driven Design and Verification Flow** - The RTL design paradigm is 20 years old. Cadence is driving a SystemC transaction-level modeling (TLM) solution with breakthrough technologies including the Cadence C-to-Silicon Compiler and Incisive® Software Extensions, as well as SystemC TLM extensions;
- **Low Power for All: Reduce Power While Reducing Risk** - The legacy challenges of increased risk and design effort are squarely addressed by this holistic, highly automated, and predictable environment

CIMdata PLM Industry Summary

and methodology for design, chip planning, verification, and implementation of digital and mixed-signal designs, as well as professional design services.

- **Accelerate Your Advanced Node Design** - Accelerate leading-edge designs with complete, integrated design-for-manufacturing (DFM) solutions. Cadence provides a consistent and converging flow across the Encounter® Digital Implementation System and Virtuoso® Custom Implementation solutions addressing DFM and variability effects, including lithography, CMP, stress and process variation, while providing significant productivity gains over traditional DFM closure solutions.
- **It's a Mixed-Signal World** – Seamlessly integrate analog and digital design environments. Half of all SoC respins are caused by inefficiencies in mixed-signal integration and verification. The Cadence mixed-signal solution provides a proven design, implementation, and verification methodology for IC, SoC, and SiP designs with complex analog and digital design challenges.
- **Enterprise Verification: Reducing Risk with Comprehensive Metrics** - The Cadence Enterprise Verification solution provides a predictable verification process from block to chip to system, increasing productivity while improving design quality. It has the breadth and depth to handle the complete functional verification needs of today's designs.

Collaboration across the electronics industry is essential to ensure customer success. In booth #4300, attendees can learn more about how industry leaders ARM, Cadence and TSMC are working together to facilitate interoperability and optimize handoffs throughout the entire design chain. Customers and partners will share success stories of collaborative efforts and attendees will be invited to listen to panel discussions on current design topics.

This year, Cadence will participate in several additional venues, including:

- ChipEstimate.com booth #1100
- OVM World booth #3450
- TSMC Open Innovation Platform booth #822
- Si2 booth #1400
- IBM booth #4311

To learn more about Cadence at DAC this year, and to register for a Cadence event, please visit us at <http://www.cadence.com/dac2009>.

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CGTech to Show VERICUT 7 at EMO 2009

17 July 2009

[CGTech](#) will exhibit the next major version of VERICUT CNC machine simulation and optimisation software on Stand A20, Hall 9 at [EMO Milan](#).

VERICUT 7 features significant performance-improving enhancements that reduce the time required for manufacturing engineers to develop, analyze, inspect and document the CNC programming and machining process. Instead of focusing on new features or add-on modules, CGTech developer resources have focused on diligent code optimization and customer-driven enhancements.

“VERICUT has been reorganized with a new user interface for maximum efficiency.” said Bill

CIMdata PLM Industry Summary

Hasenjaeger, Product Marketing Manager. "Not only is the software extremely stable and significantly faster, it has never been easier to set up a VERICUT project. This release will set a new standard for the world's most advanced CNC simulation system."

The stand at EMO 2009 will feature a Simulation gallery showing examples of VERICUT from the Aerospace, Automotive, Power Generation and Oil and Gas industries. Simulations will be included for all the leading CNC Machine Tool manufacturers including DMG, Mori Seiki, Makino, Matsuura, Mazak, Hermle, Chiron, Doosan and many more.

VERICUT is used by the world's leading manufacturing companies and features interfaces to all the leading CAD/CAM/PLM systems including Catia V5, Siemens NX, PTC, MasterCAM, EdgeCAM and GibbsCAM, and interfaces are also available from Delcam, for PowerMill, Open Mind for HyperMill, and Missler for TopSolidCAM..

CGTech will also be demonstrating VERICUT Composite Applications at EMO. VERICUT Composite Applications are machine-independent off-line programming and simulation software solutions for automated composite tape and fiber-placement CNC machines. There are two separate applications: VERICUT Composite Programming, and VERICUT Composite Simulation.

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COADE Extends Early-Bird Discount until August 1 for COADE User Conference, Scheduled for September 28-30 in Houston

10 July 2009

COADE announced that the company has extended the early-bird discount until August 1, 2009, for the COADE User Conference, scheduled for September 28-30 in Houston, Texas.

"Over the last couple of months, we spoke with many potential attendees who have expressed a desire to attend this year's COADE User Conference," explained Vornel Walker, COADE's VP of marketing. "Because of the prevailing economic climate and tighter budget approval processes, many told us that they needed more time to secure approval and funding." Those registering by the August 1 deadline will receive a \$200 discount off of the regular fee.

The 2009 COADE User Conference, an expansion of the successful 2008 CADWorx User Conference attended by 300 people from across the globe, will feature product-specific sessions on all of COADE's products, including CAESAR II, a widely used pipe stress analysis software; PVElite for pressure vessel and heat exchanger design and analysis; the CADWorx Plant Design Suite for intelligent plant design modeling and process schematics; and TANK for the design and analysis of oil storage tanks. A keynote address will be delivered by Thomas J Van Laan, PE, President and CEO of COADE. Details on the 2009 COADE User Conference are at <http://www.coadeuserconference.com/2009/>.

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Delcam Offers Free Jewellery Design Software at IJL

17 July 2009

Delcam will offer free copies of the company's ArtCAM JewelSmith jewellery design software to all customers that sign up for its rapid prototyping bureau service, rp.delcam.com, at the IJL exhibition in Earls Court, London, from 6th to 9th September. To qualify for the free software, clients are required to

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pay for initial training and commit to purchase 18 models each quarter. Provided that this quantity is maintained, all software upgrades and maintenance remain free of charge.

The RP bureau service is aimed mainly at companies in the jewellery industry but will also be attractive to all companies concerned about the cost of purchasing high-quality RP machinery for the production of smaller models. The cost for producing any prototype depends on its size, with a typical ring model costing only £25.

The main focus is on the supply of 3D models for use in the lost wax casting process. The use of rapid prototyping can be more cost-effective in many cases than machining wax models.

Once the customer has signed up for the service, ArtCAM JewelSmith files, or any other 3D files, can be uploaded to the Delcam FTP site for quick, automated quoting, based on the size of the model. Once the quote has been accepted, a castable prototype will be supplied within 48 hours for companies to use either in their own casting process or to supply to any third party casting company.



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Delcam to Launch New FeatureCAM at EMO

17 July 2009

[Delcam](#) will launch the new version of its FeatureCAM feature-based machining software at the [EMO](#) exhibition to take place in Milan from 5th to 10th October. The new release will include enhancements across the full range of FeatureCAM functionality, from 2D drilling and wire EDM, to five-axis milling and mill-turn operations. This reflects the increased investment in development of the software since its acquisition by Delcam in 2005.

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

FeatureCAM’s high degree of automation already gives faster programming than other CAM systems. A range of enhancements in the 2010 version will make the software even quicker. Most important of these developments is support for multi-threading when generating 3D toolpaths. This allows calculations to be spread across multiple cores in dual- or quad-core computers. Average time savings are around 25% on a dual-core PC.

Improved algorithms have been introduced within the user interface to speed up the editing of features and to reduce the time needed to switch between machine-tool set-ups, while more efficient handling of stock models will reduce the memory required and so enhance performance still further.

The most innovative new programming option is combined drilling and milling functionality that will allow more efficient hole creation on machines fitted with automatic tool changing. It generates roughing and finishing toolpaths to produce any holes for which the appropriate drill is not loaded, using the existing tooling within the machine’s crib.

The new option is much faster than having to change the tooling available to match the set of hole sizes in each job, especially for companies manufacturing prototypes or short-run components. It will allow complex parts to be produced more easily in cases where the range of hole sizes is larger than the

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number of positions in the crib. In addition, the number of different tools that need to be stocked can be reduced and it will be much simpler to move jobs between different machine tools.

Companies that do not have automatic tool changing on their machines can also benefit. In some cases, it will be possible to use a combination of drilling and milling with a single cutter to generate all the holes in the part. This could then allow the complete sequence to be run without the machine needing to be manned.

Other new options include a new spiral finishing option that gives faster machining and improved surface finish with no dwell marks, and automatic rest roughing to minimise air cutting when applying a series of progressively-smaller roughing cutters. In addition, a 3D chamfer can be added to a part, even when this is not shown in the model, for de-burring and similar clean-up operations.

Two improvements have been duplicated from PowerMILL to give faster machining and better surface finish. FeatureCAM now has the same ability to redistribute the points within any toolpath to enable faster, smoother machining. Similarly, the program can now undertake tool-axis smoothing to avoid sudden changes in orientation of the cutter during five-axis machining.

Machining simulation has also been made faster and more accurate, in particular for simultaneous five-axis machining. In addition, a new dual-view option allows a part to be viewed from two-different angles simultaneously. This will be most helpful when simulating the production of large or complex parts.

The range of post-processors available with FeatureCAM has been further extended for both five-axis and mill-turn equipment. New machines now supported include the DMG CTX and GMX, Doosan Puma MX and TT, Mazak Integrex ST, Nakamura NTX and NTJX, and Okuma Macturn.

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46th Design Automation Conference Offers Six Workshops on Design Techniques, Careers, Emerging EDA Applications and More

13 July 2009

Six workshops created to appeal to the interests of the entire DAC community will be offered at the 46th Design Automation Conference (DAC) July 26 – 31 at the Moscone Center in San Francisco. Attendees of the [46th DAC](#) can learn about front- or back-end design issues, or participate in several special-interest workshops.

“This year’s workshop lineup will give attendees new insights and unforeseen knowledge,” said Diana Marculescu, 46th DAC Coordinator for Workshops and Co-located Events and ACM/SIGDA Representative. “Perhaps even more important, workshop participants will benefit from the opportunity for networking with their industry peers, which is one of the special benefits of DAC.”

Workshops on Front-End Tools and Methodologies

For designers working with multiprocessor designs, the workshop “[Multiprocessor System-On-Chip: Current Trends and the Future](#)” on Sunday, July 26, will allow them to hear from an impressive list of speakers covering topics of interest in the design tools, methodologies, and programming of Multiprocessor Systems-on-Chip (MPSoCs).

The full-day “[Virtual Platform Workshop](#)” on Wednesday, July 29, strongly complements the new DAC User Track in addressing the latest SoC design challenges. This workshop is designed to bring together

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people interested in the use of Virtual Platforms (VPs) in SoC design validation and embedded software development.

Developing a Go-to-Market Strategy

The half-day workshop on “[Marketing of Technology - the Last Critical Step](#)” scheduled on Sunday, July 26, should appeal to the technically-trained professional charged with launching the company’s next big product. The workshop will cover product marketing from a semiconductor perspective and with an emphasis on new Web 2.0 tools. Participants will learn about hands-on tools they can use in their own work.

Emerging Applications for EDA

The [International Workshop on Bio-Design Automation \(IWBDA\)](#) on Monday, July 27, will be of interest for any DAC attendee who is following the emerging use of EDA in new areas. It will feature invited talks by experts in the field of synthetic biology, contributed presentations, and an interactive poster session all focused on concepts, methodologies and software tools for the automated synthesis of novel biological functions.

Career Advice

Two workshops will focus on the unique challenges and opportunities of two very different stages of a career. The new full-day “[Young Faculty Workshop](#)” scheduled on Monday, July 27, will bring senior graduate students interested in academia, as well as EDA professionals ready for a career move, together with senior faculty, funding agency program managers, and senior industry professionals who will share their views and experiences on succeeding as a faculty member in EDA.

Also on Monday, July 27, the 10th annual “[Workshop for Women in Design Automation](#)” (WWINDA) will focus on issues surrounding the choice between a technical career path and the management track. Dr. Telle Whitney, president and CEO of the Anita Borg Institute, will give the workshop’s opening keynote address which will be followed by an interactive panel discussion on this year’s WWINDA theme, “Career Crossroads - Who Has the Map?”

Registration

Complete details on the workshops offered at the 46th DAC are available at <http://www.dac.com/events/searchevents.aspx?EventType=Workshop&confid=95>. For more details on DAC’s full program, and to register, please visit www.dac.com.



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46th Design Automation Conference to Feature Special Plenary Panel on Green Technology

14 July 2009

Attendees of the 46th Design Automation Conference (DAC) will have the opportunity to explore ‘green’ technology during a special plenary panel titled “[How Green is My Silicon Valley,](#)” on Thursday, July 30, from noon to 1:45 p.m. Moderated by Walden C. Rhines, chairman and CEO, Mentor Graphics Corp. and EDA Consortium chair, the panelists will explore the implications of green technology innovation for the electronic design industry. The [46th DAC](#) will be held July 26 – 31 at the Moscone Center in San Francisco.

“How Green is My Silicon Valley,” a special plenary panel, will examine green technology, and

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consider its implications on system design, public policy and the EDA industry. Panel members from leading technology companies, government agencies, venture capital firms and startup companies will give their views on the potential value and effect of ‘green’ technology in the EDA industry.

The panel will kick off a half-day focus in the conference on all things green. Following the plenary panel, the technical conference will take a more in-depth look at power efficient design in the Session 43 panel “[From Milliwatts to Megawatts: The System-Level Power Challenge](#).” Technical experts drawn from Nokia, IBM, EDA companies and the university realm will discuss power optimization at the system level. The green emphasis will continue with a special session from 4:30 to 6 p.m. called “[Technologies for Green Data Centers](#).” Session 50 will describe the latest in computing, storage, and networking technologies as well as data center design and operation for different classes of industrial applications. The emphasis will be on building blocks and architecture of future green data centers, as well as technical approaches for improving energy efficiency (and thereby reducing total cost of ownership) of data centers while meeting thermal and power delivery constraints and service level agreements. The speakers from Hewlett Packard, IBM and University of California at Berkeley will discuss how our community can help tackle some of the key design and management challenges facing the current and next generation of data centers.

“How Green is My Silicon Valley” Panelists

The following notable experts will participate in the special plenary panel:

John A. "Skip" Laitner – Director, American Council for an Energy Efficient Economy, Washington DC

Thomas Jacoby – Director, California Clean Energy Fund, Cupertino, Calif.

Peter Williams, CTO, IBM's Big Green Innovation, San Francisco, Calif.

Dennis Buss – Chief Scientist, Texas Instruments, Dallas, Texas

Ian Wright – CEO, Wrightspeed, Inc., San Francisco, Calif.

Registration

Attendance to the special plenary panel is included with both the Full Conference and Exhibit-Only registration options. For more details on DAC's full program, and to register, please visit www.dac.com.

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Mentor Graphics Chairman and CEO to Present Keynote at Semicon West

13 July 2009

[Mentor Graphics Corporation](#) announced that Dr. Walden C. Rhines, Chairman and CEO, will present the following keynote at Semicon West 2009 in San Francisco, CA.

Who: Dr. Walden C. Rhines, Chairman and CEO, Mentor Graphics Corporation

What: Presenting “World Semiconductor Dynamics: Myth vs. Reality”

When: Wednesday, July 15, 10:00 AM – 10:45 AM

Where: Novellus Theatre at the Yerba Buena Center for the Arts (across from Moscone Center)

In his keynote address, Dr. Rhines explores some of the issues confronting the EDA industry in today's tough economic environment and presents historical data and trends of the semiconductor industry with

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conclusions that may surprise you.

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"Product Lifecycle Pricing & The Economic Downturn" Presentation

July 2009

Product Development and Management Association (PDMA) announced the inaugural Greater Washington PDMA chapter event. Members and individuals interested in product development and product management are invited. Light refreshments and snacks will be served.

Event

"Product Lifecycle Pricing & The Economic Downturn"

Date

July 21, 2009

Time

6:00 PM – 9:00 PM

Location

Corporate Executive Board

1919 North Lynn Street

Arlington, VA 22209

United States

Agenda

6:00 – 6:30 PM Registration & Networking

6:30 – 8:00 PM Pre-Note Presentation

8:00 – 8:30 PM Panel Discussion

8:00 – 9:00 PM Networking & Close

Presenters

Anupam Narula, Senior Manager, Deloitte Consulting LLP (anarula@deloitte.com)

Julie Meehan, Senior Manager, Deloitte Consulting LLP (jmeehan@deloitte.com)

Event Description

Mr. Narula, of the Deloitte Product Development Practice, and Ms. Meehan, of Deloitte's pricing practice will present on the topics of pricing strategy for the product lifecycle and pricing in the downturn.

Their presentation will be based on their recently published article, "Are you setting prices blindfolded", in the March 2009 issue of Visions, PDMA magazine, as well as Ms. Meehan's article "Profiting from a Recession Climate: Effective Use of Transactional Price Management".

A panel discussion of this subject will immediately follow their presentation, where attendees are encouraged to pose questions to the authors.

Event Sponsors

Corporate Executive Board is providing the venue for the event (www.executiveboard.com).

Siteworx Web Design and Development will be covering the startup costs associated with the first event

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including room costs and refreshments (www.siteworx.com).

Contact

Mark R Routson, Chapter President (mark.routson@rampartglobal.com)

Jason Munson, Communication Director (jmunson@siteworx.com)

Register Now

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Sescoi and CDTA Bring Digital Moldmaking to Algerian Manufacturers

16 July 2009

Sescoi has been working with the [**CDTA**](#), the Algerian Center for the Development of Advanced Technologies, in a collaborative project aimed at demonstrating rapid prototyping and mold machining techniques and the latest CAM/CAD technology to Algerian manufacturers across a wide range of industries. A seminar held at the start of June at the CDTA headquarters in Algiers welcomed over 50 engineers and managers from leading Algerian companies including ENIEM, ERMAéro, ECMK, BCL, ATP Mesrouk, Almoules, Mouzaïa Plastique and SNVI, as well as representatives from national research institutions and universities such as the Ecole Militaire Polytechnique, the University of Annaba, INGM and USTHB.

During the seminar, Sescoi engineers described the entire “Digital Chain” process, from product design through to industrialization, outlining all the steps in the process and illustrating how WorkNC, Sescoi’s automated CAM system, and WorkNC-CAD, its manufacturing CAD software, together provide a complete automatic software package enabling companies to achieve significant gains in productivity.

The machining facilities at CDTA allowed visitors to see the complete sequence of mold production live, starting with manipulation of the tool design and CNC programming in WorkNC, through to machining of complex 3D cavities for a rigid plastic packaging component. By emphasizing the ease of use, accuracy and speed of WorkNC, the benefits which can be gained from using digital manufacturing methods became evident. Advantages include the software’s automated programming, which greatly reduces the levels of skill and experience required for cutting complex 3D forms.

During the seminar, applications in the automotive, aerospace, nuclear, defense, food, household appliance, toy and foundry industries were considered, examining the differences and commonalities between them, such as material types, quality of finish, and the levels of accuracy and detail required in the completed products. WorkNC includes new global roughing and finishing routines and an extensive tool library. These have been developed to successfully machine both hard and soft material while optimizing cutting conditions and material removal rates. Furthermore, the software’s collision avoidance technology ensures safe cutterpaths, maximizes tool life and minimizes wasted movement, thereby reducing the use of consumables and shortening cycle times.

To explain how digital techniques work in an industrial environment, CDTA introduced a moldmaking expert specializing in tooling for the automotive market. He shared his eight years of experience working in China, producing molds for French companies using these techniques. Data exchange, reliable communication and accurate production were made possible by utilizing CAD models directly within the production process. The reliability and accuracy of WorkNC and its machine tool interface ensured the success of each element of the manufacturing process.

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The partnership between CDTA and Sescoi has facilitated additional research into higher productivity. The Center's collaborative projects with institutions and companies in France, Germany, South Africa, Tunisia, Morocco, Canada, Ireland, South Korea, Poland and Spain will further enhance the development, sharing, and implementation of new advanced manufacturing methods.

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SpaceClaim Asks Engineers to “Bring it on” with Their Toughest Design Challenges

13 July 2009

SpaceClaim announced that the Company is challenging engineers to [submit their toughest design problem](#) – conceptual engineering, CAE/model preparation, industrial design, or manufacturing engineering – by July 15. The winning challenge will be solved in a live webinar on July 29 using 3D Direct Modeling. The winner will be announced at the start of the webinar and will also receive a \$250 Amazon.com gift certificate.

Direct modeling is driving a renaissance in engineering. While feature-based CAD products are very powerful and perform well for detailed design work, they are not appropriate for conceptual design, engineering analysis, and simulation-driven design. SpaceClaim's [3D Direct Modeling solutions](#) are easy to learn and use, cost effective, and very accurate, enabling digital 3D conceptual design by engineers for increased innovation, shorter time-to-market, and improved collaboration. Our customers are reporting up to a 40 percent reduction in time-to-market by using our innovative 3D engineering solution, [SpaceClaim Engineer](#).

Additionally, [SpaceClaim](#) announced a joint webinar with Bunkspeed on July 23 entitled, “Think it. Model it. Render it.” The webinar will highlight the SpaceClaim and HyperShot integration as a fast, easy, and efficient process for design creation. Design engineers can photorealistically envision their design at any point in the design cycle. The webinar will show participants how to create 3D designs as well as become familiar with how to work with HyperShot materials and textures in SpaceClaim.

Details on the upcoming webinars are as follows:

Bunkspeed and SpaceClaim Webinar “Think it. Model it. Render it.”

July 23, 1:00-2:00 p.m. EDT

- [Register and receive further information](#)

Design Challenge Webinar

July 29, 12:00-12:30 p.m. EDT

- [Submit a challenge by July 15](#)
- [Register for this webinar](#)

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SpringSoft Hosts Custom IC Design Automation Showcase at 46th DAC – Booth #3367

14 July 2009

SpringSoft, Inc., a global supplier of specialized IC design software, is hosting the [Custom IC Design](#)

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[Automation Showcase](#) in booth #3367 at the Design Automation Conference (DAC) in San Francisco, Calif., July 27 through July 30, 2009. The showcase will feature SpringSoft's [Laker™ Custom Layout Automation System](#) as the core of an interoperable set of best-in-class tools that each offer specialized automation for custom IC design.

The showcase will run through the entire conference with live product demonstrations by SpringSoft and its Laker community partners. Visitors to the showcase can see first-hand how third-party IC design tools, each a leader in its own right, become even more powerful when used with the Laker system. Areas of custom IC design that will be highlighted are data management, placement, routing, physical verification, and quality of results.

Participating companies include: Anchor Semiconductor, Apache, Ciranova, ClioSoft, Dassault Systemes, Mentor Graphics, Micrologic, Polyteda, Pulsic, Pyxis, and Synopsys. These companies will demonstrate the following Laker interoperable solutions:

Physical verification tools from Mentor Graphics, Polyteda, and Synopsys to achieve DRC and LVS clean layout while running, reviewing, and correcting data in-situ for optimal layout in the least amount of time

High performance custom routing from Pyxis for real-time, interactive routing for large designs using the industry's only OA run-time model integration

Advanced routing tools from Pulsic to provide a custom design automation flow for memory, microprocessor, FPGA, LCD, LED, and custom digital, AMS designs

Ciranova analog and Laker custom digital placers running within the Laker environment to dramatically increase mixed-signal design productivity

Data Management tools from ClioSoft and Dassault Systemes that assure revision control and enable global collaboration

Impressive quality of results using tools from Anchor Semiconductor, Apache, and Micrologic that offer power, yield and electrical awareness and provide immediate feedback during the layout process

"The interoperable solutions our community of partners provide with the Laker layout system can help our customers achieve significant time savings," said Duncan McDonald, product marketing director, Laker Physical Design. "Attendees can see this first hand at our DAC showcase."

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Financial News

ANSYS, Inc. to Release Second Quarter 2009 Earnings August 6, 2009

13 July 2009

ANSYS, Inc. announced it expects to release its second quarter 2009 earnings on Thursday, August 6, 2009, before the market opens. The Company will hold a conference call conducted by James E. Cashman III, president and chief executive officer, and Maria T. Shields, chief financial officer, at 10:30 a.m. Eastern Time to discuss second quarter results and future outlook.

Conference Call Information:

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What: ANSYS Second Quarter 2009 Earnings Conference Call

When: August 6, 2009 at 10:30 a.m. Eastern Time

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

The conference call dial in number is (877) 428-5482 (US & CAN) or (706) 758-4753 (INT'L)

Passcode: ANSYS (26797)

The call will be recorded with replay available within two hours after the call at
<http://investors.ansys.com> or at (800) 642-1687 (US & CAN) or (706) 645-9291 (INT'L)

Passcode: 19821486

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Cadence Announces Second Quarter 2009 Financial Results Webcast

10 July 2009

Who:

Cadence Design Systems, Inc. to announce second quarter 2009 financial results via webcast.

What:

You are invited to attend the second quarter 2009 financial results audio webcast. Participating on the webcast will be Lip-Bu Tan, president and chief executive officer, and Kevin S. Palatnik, senior vice president and chief financial officer.

When:

The webcast will begin Wednesday, July 29, 2009 at 2 p.m. (Pacific)/5 p.m. (Eastern). An archive of the webcast will be available from 5 p.m. (Pacific) July 29 until 5 p.m. (Pacific) August 5.

Where:

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

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IBM Reports 2009 Second-Quarter Results

16 July 2009

- **Diluted earnings of \$2.32 per share, up 18 percent;**
- **Raises full-year 2009 EPS expectations to at least \$9.70 from \$9.20;**
- **Free cash flow of \$3.4 billion; cash balance of \$12.5 billion;**
- Net income of \$3.1 billion, up 12 percent; net margin of 13.3 percent, up 3.0 points;
- Pre-tax income margin of 18.3 percent, up 4.1 points; largest increase in more than 3 years;
- Gross profit margin of 45.5 percent, up 2.3 points; up 19 of last 20 quarters;

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- Revenue of \$23.3 billion, down 13 percent, or 7 percent adjusting for currency;
- Software pre-tax margin up 8.3 points; income up 24 percent;
- Full-year 2009 Software pre-tax income expected to grow at double-digit rate and reach \$8 billion;
- Services pre-tax margin up 4.1 points; income up 23 percent;
- Services signings up 3 percent; strategic outsourcing signings up 38 percent, both adjusting for currency;
- 17 services deals greater than \$100 million;
- Public sector revenue up 7 percent, adjusting for currency.

IBM announced second-quarter 2009 diluted earnings of \$2.32 per share compared with diluted earnings of \$1.97 per share in the second quarter of 2008, an increase of 18 percent.

The earnings per share results were the highest for any first, second or third quarter in the company's history, adjusted for stock splits.

Second-quarter net income was \$3.1 billion compared with \$2.8 billion in the second quarter of 2008, an increase of 12 percent. Total revenues for the second quarter of 2009 of \$23.3 billion decreased 13 percent (7 percent, adjusting for currency) from the second quarter of 2008.

"As a result of our strategic transformation, we have a very strong business model that is delivering superior earnings, cash and client value," said Samuel J. Palmisano, IBM chairman, president and chief executive officer.

We have continued our strategic investments in Smarter Planet solutions, business analytics and next generation data centers. As a result we are optimistic about how IBM is positioned to make the most of current growth opportunities as well as those that emerge as the economy recovers. We are well ahead of pace for our 2010 roadmap of \$10 to \$11 per share."

IBM said it now expects full-year 2009 earnings of at least \$9.70 per share compared with its previous expectation of at least \$9.20 per share.

The company expects full-year 2009 pre-tax income for its Software segment to grow at a double-digit rate and reach approximately \$8 billion.

From a geographic perspective, the Americas' second-quarter revenues were \$9.9 billion, a decrease of 9 percent (7 percent, adjusting for currency) from the 2008 period. Revenues from Europe/Middle East/Africa were \$7.9 billion, down 20 percent (7 percent, adjusting for currency). Asia-Pacific revenues decreased 7 percent (5 percent, adjusting for currency) to \$4.9 billion. OEM revenues were \$537 million, down 24 percent compared with the 2008 second quarter. Revenues from the company's growth markets organization decreased 11 percent (up 1 percent, adjusting for currency) and represented 18 percent of geographic revenues.

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Total Global Services revenues decreased 12 percent (4 percent, adjusting for currency); pre-tax income increased 23 percent. Global Technology Services segment revenues decreased 10 percent (2 percent, adjusting for currency) to \$9.1 billion. Global Business Services segment revenues decreased 15 percent (9 percent, adjusting for currency) to \$4.3 billion. IBM signed services contracts totaling \$14.0 billion, at actual rates, a decrease of 5 percent (up 3 percent, adjusting for currency), including 17 contracts greater than \$100 million. Signings in Consulting and Systems Integration and in Integrated Technology Services were \$6.0 billion, a decrease of 14 percent (7 percent, adjusting for currency). Total outsourcing signings increased 3 percent (12 percent, adjusting for currency) to \$8.0 billion. The estimated services backlog at June 30 was \$132 billion at actual rates compared with \$126 billion at March 31, 2009.

Revenues from the Software segment were \$5.2 billion, a decrease of 7 percent (flat, adjusting for currency) compared with the second quarter of 2008. Revenues from IBM's key middleware products, which include WebSphere, Information Management, Tivoli, Lotus and Rational products, were \$3.0 billion, a decrease of 2 percent (up 5 percent, adjusting for currency) versus the second quarter of 2008. Operating systems revenues of \$529 million decreased 11 percent (4 percent, adjusting for currency) compared with the prior-year quarter.

Revenues from the WebSphere family of software products, which facilitate customers' ability to manage a wide variety of business processes using open standards to interconnect applications, data and operating systems, increased 8 percent year over year. Revenues from Information Management software, which enables clients to leverage information on demand, decreased 4 percent. Revenues from Tivoli software, infrastructure software that enables clients to centrally manage networks including security and storage capability, decreased 2 percent, and revenues from Lotus software, which allows collaborating and messaging by clients in real-time communication and knowledge management, decreased 14 percent. Revenues from Rational software, integrated tools to improve the processes of software development, decreased 2 percent.

Revenues from the Systems and Technology segment totaled \$3.9 billion for the quarter, down 26 percent (22 percent, adjusting for currency). Systems revenues decreased 26 percent (22 percent, adjusting for currency). Revenues from the converged System p products decreased 13 percent compared with the 2008 period. Revenues from System z mainframe server products decreased 39 percent compared with the year-ago period. Total delivery of System z computing power, which is measured in MIPS (millions of instructions per second), decreased 20 percent. Revenues from the System x servers decreased 22 percent. Revenues from System Storage decreased 20 percent, and revenues from Retail Store Solutions decreased 41 percent. Revenues from Microelectronics OEM decreased 23 percent.

Global Financing segment revenues decreased 10 percent (4 percent, adjusting for currency) in the second quarter to \$568 million.

The company's total gross profit margin was 45.5 percent in the 2009 second quarter compared with 43.2 percent in the 2008 second-quarter period, led by improving margins in services and software.

Total expense and other income decreased 19 percent to \$6.3 billion compared with the prior-year period. SG&A expense decreased 19 percent to \$5.1 billion. RD&E expense of \$1.4 billion decreased 14

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percent compared with the year-ago period. Intellectual property and custom development income increased to \$302 million compared with \$285 million a year ago. Other (income) and expense was income of \$28 million compared with income of \$24 million from a year ago. Interest expense decreased to \$101 million compared with \$145 million in the prior year.

IBM's tax rate in the second-quarter 2009 was 27.2 percent compared with 27.5 percent in the second quarter of 2008.

The weighted-average number of diluted common shares outstanding in the second-quarter 2009 was 1.34 billion compared with 1.40 billion shares in the same period of 2008. As of June 30, 2009, there were 1.31 billion basic common shares outstanding.

Debt, including Global Financing, totaled \$29.4 billion, compared with \$33.9 billion at year-end 2008. From a management segment view, Global Financing debt decreased \$1.6 billion from year-end 2008 to a total of \$22.8 billion at June 30, 2009, resulting in a debt-to-equity ratio of 6.9 to 1. Non-global financing debt totaled \$6.6 billion, a decrease of \$3.0 billion since year-end 2008, resulting in a debt-to-capitalization ratio of 35.0 percent from 48.7 percent.

IBM ended the second quarter of 2009 with \$12.5 billion of cash on hand and generated free cash flow of \$3.4 billion, excluding Global Financing receivables. The company returned \$2.4 billion to shareholders through \$732 million in dividends and \$1.7 billion of share repurchases. The balance sheet remains strong, and the company is well positioned to take advantage of opportunities.

Year-To-Date 2009 Results

Net income for the six months ended June 30, 2009 was \$5.4 billion compared with \$5.1 billion in the year-ago period, an increase of 6 percent. Diluted earnings per share were \$4.02 compared with \$3.61 per diluted share for the 2008 period, an increase of 11 percent. Revenues for the six-month period totaled \$45.0 billion, a decrease of 12 percent (5 percent, adjusting for currency) compared with \$51.3 billion for the six months of 2008.

Presentation of Information in this Press Release

In an effort to provide investors with additional information regarding the company's results as determined by generally accepted accounting principles (GAAP), the company has also disclosed in this press release the following non-GAAP information which management believes provides useful information to investors:

IBM Results –

- showing non-Global Financing debt-to-capitalization ratio;
- adjusting for free cash flow;
- adjusting for currency (i.e., at constant currency).

.The rationale for management's use of non-GAAP measures is included as part of the supplementary materials presented within the second-quarter earnings materials. These materials are available on the

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IBM investor relations Web site at www.ibm.com/investor and are being included in Attachment II (“Non-GAAP Supplementary Materials”) to the Form 8-K that includes this press release and is being submitted today to the SEC.

Conference Call and Webcast

IBM's regular quarterly earnings conference call is scheduled to begin at 4:30 p.m. EDT, today. Investors may participate by viewing the Webcast at <http://www.ibm.com/investor/2q09>. Presentation charts will be available on the Web site prior to the Webcast.

For press release with financial tables click [here](#).

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MSC.Software to Report Second Quarter Financial Results and Hold Conference Call on August 5, 2009

16 July 2009

MSC.Software Corporation announced that it will host a conference call to discuss second quarter financial results on Wednesday, August 5, 2009 at 1:30 pm Pacific (4:30 pm Eastern). The earnings press release will be issued at the market close on August 5, 2009.

The second quarter conference call will include a slide presentation that can be downloaded at: <http://www.mssoftware.com/ir/>. The conference call can be accessed by web cast at: <http://www.mssoftware.com/ir/> or by dialing in to (800) 374-0151 for US callers, or (706) 634-4981 for international callers. To participate in the live conference call, use the following conference ID code 20286773.

An archived version of the conference call will be available at <http://www.mssoftware.com/ir/> The teleconference replay will be available for 48 hours and can be accessed by dialing in to: U.S. (800) 642-1687 or Intl. (706) 645-9291 using the conference ID code 20286773.

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TCS Q1 FY10 Revenues at \$1.48 bn, up 3% Q-o-Q

17 July 2009

Tata Consultancy Services reported its consolidated US GAAP financial results for the first quarter ended June 30, 2009.

Highlights for Quarter Ended June 30, 2009 (US GAAP)

EPS up 18.1% to \$0.16 from \$0.13 last quarter

26 new clients added

Top 1, 5 and 10 clients show growth

Gross addition of 2,828 employees

Dividend of Rs 2 per share announced

Chief Executive Officer and Managing Director, S. Ramadorai said: “In a volatile and uncompromising

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environment, TCS has demonstrated its industry leadership by seizing opportunities for growth through operational excellence resulting in a stellar performance for the quarter.” He added: “While we remain vigilant about the environment, TCS is leveraging its global presence and the investments made in developed and emerging markets to deliver our proposition of certainty, which resonates clearly with customers in these challenging times and helps us create long-term value for shareholders.”

S. Mahalingam, Chief Financial Officer and Executive Director, said: “The focus has been on managing the business with optimal efficiency, while investing for future growth. By maintaining rigor in pricing deals, managing employee and non-employee costs, collecting and conserving cash and moving work off-shore, we have achieved significant improvement in our margins and earnings per share.”

N. Chandrasekaran, Chief Operating Officer and Executive Director said: “TCS’ discipline in execution and agility on the ground as well as its ability to remain close to the customer has enabled us to deliver volume growth with enhanced profitability in this quarter. He added: “The strategic investments made in our full services capability, a global network of delivery centers, emerging markets continues to position us well going forward.”

Growth was broad-based across markets and North America continued to maintain its share of revenues aided by semblance of stability in the Banking, Financial Services and Insurance verticals. In Europe, demand uptake from recently acquired clients is helping sustain growth momentum and the pipeline remains strong, while demand from Emerging Markets is being driven by system integration and outsourcing engagements.

In terms of verticals, this quarter saw some stability in the core BFSI segment with the US leading the trend, while UK and Europe are expected to stabilize in subsequent quarters. In Manufacturing, the speed of demand recovery will depend on overall economic recovery. The Media and Retail verticals continue to grow from new deals as well as ramp-ups of large deals closed in FY09.

Among service lines, application and outsourcing services continued to maintain revenue share despite slowdown in new deals. TCS’ remote infrastructure management solutions continue to attract good traction across markets. The company continues to leverage industry leading portfolio of BPO solutions to deliver growth.

The share of revenue from the Top 10 clients grew to 28.0% of revenues from 26.9% in the previous quarter and customers continued to migrate to higher revenue bands.

“Worldwide TCSers are playing an important role to drive growth and help customers experience certainty in this environment and we remain committed to ensuring that they are rewarded for their operational excellence,” said Ajoy Mukherjee, Vice President, Head, Global Human Resources. “We remain on track for our graduate hiring program in 2009-10.”

Utilization in Q1 FY10 was 79.2% (excluding trainees) & 71.3% (including trainees). There was a gross addition of 2,828. The attrition rate in Q1 was 11.5%. At the end of Q1, the total employee strength of the company was 141,642. Foreign nationals formed 8.3% of the total employee base and 30% were women.

KEY WINS:

Multi-year full-services ADM and BPO deal for a leading Energy Retailer in Australia.

Global application development and support services for the Enterprise and BI Applications of one of the largest global video game publishing companies

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Multi-year, multi-million dollar agreement to consolidate integrated IT support services for a US based specialty retailer.

Selected by a US based aerospace major as a preferred supplier subsequent to its vendor consolidation initiative.

Multi-year ADM contract from a global glass and chemical products manufacturer.

Strategic partner in a multi-year deal to help transform delivery processes in applications and infrastructure for a leading global Banking organization.

A Fortune 100 healthcare company has selected TCS as a strategic partner for providing a range of services by leveraging its GNDM Model.

TCS' legal management product solution built on SAP platform was licensed by a leading legal UK firm.

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

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Implementation Investments

Achronix Deploys Synopsys IC Validator and IC Compiler for Next-Generation FPGA Design

16 July 2009

[Synopsys, Inc.](#) announced that Achronix Semiconductor Corporation, maker of ultra-fast field-programmable gate arrays (FPGAs), has deployed Synopsys' IC Compiler and the recently announced IC Validator, the newest addition to the Galaxy™ Implementation Platform, for designing their next generation of high-end FPGAs. IC Validator is an ideal add-on to IC Compiler for In-Design physical verification, enabling place and route engineers to accelerate time to tapeout and improve manufacturability by enabling physical verification within the implementation flow. Targeting a wide range of telecommunications, networking, video and DSP applications, Achronix's FGPAs will offer multimillion gate capacities, a wide array of high- performance embedded IP components, high-speed I/Os, memory blocks and dedicated DSP function building blocks.

"As process nodes shrink and next generation FPGA architecture grows more complex, we are seeing an increase in design challenges and manufacturing rule count and complexity," said Ravi Sunkavalli, vice president of hardware engineering at Achronix. "Unique challenges, especially in design planning, clock tree synthesis, full chip placement and routing, and RDL routing and placement, necessitate a highly automated implementation system with integrated flows for manufacturing compliance. By leveraging IC Compiler and IC Validator, we are confident that we can cost effectively meet our time-to-market objectives."

At advanced nodes (45nm and below), the productivity gap between physical implementation and signoff is becoming a serious bottleneck that can lead to significant schedule delays. Prevailing approaches to physical design, which can be described as "implement-then-verify," can result in multiple iterations between design and signoff. The implement-then-verify approach may also complicate convergence, as physical-verification-induced corrections can alter other design objectives such as area, timing and power. In-Design physical verification with IC Validator helps to ensure clean layout upon leaving the design environment and avoid late-stage surprises. With In-Design physical verification,

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specific errors and selected areas of layout can be targeted incrementally, providing a speed-up in overall design completion time.

Metal fill insertion, a mandatory requirement for manufacturability, exemplifies the drawbacks of the implement-then-verify approach. The high speed, coupled with the dense routing requirements of Achronix's FPGA design requires accurate manufacturing compliance flows for metal fill to be timing aware and of optimal density. With In-Design physical verification, IC Validator and IC Compiler address this need within the place and route environment. The seamless integration enables an optimal metal-fill flow that is timing aware, signoff quality and void of expensive stream-outs and stream-ins. Additionally, this flow achieves higher density by utilizing a track-less approach.

"Designing at advanced process nodes with point tool driven "implement-then-verify" loops makes tapeout schedules extremely unpredictable," said Sanjay Bali, director of physical verification and DFM marketing at Synopsys. "By adopting IC Compiler and IC Validator for In-Design Physical Verification, Achronix is taking full advantage of Synopsys' ability to bridge the productivity gap between design implementation and physical verification."

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Cadence Announces National Semiconductor Adoption of Virtuoso Simulation Solution for Complex Analog Designs

15 July 2009

[Cadence Design Systems Inc.](#) announced that National Semiconductor, developer of energy-efficient analog and mixed-signal semiconductors, has adopted the Cadence® [Virtuoso® Accelerated Parallel Simulator](#) to verify its large, complex analog designs. Verification engineers throughout National's global offices will have access to Cadence's high-capacity and scalable parallel simulation technology.

Introduced in December, the Accelerated Parallel Simulator is already proven for verifying large, complex analog designs—with the complete accuracy of the Virtuoso Spectre® Circuit Simulator, and without a reduction in the design netlist. The capacity and scalability of the Accelerated Parallel Simulator shortens from weeks to days—and in some cases hours—the verification of complex designs.

"We are designing complex and large analog designs—such as power management circuits, ADCs/DACs and SerDes—that require advanced simulation technology with scalable performance across our multi-core compute platform, and without compromising accuracy," said Sury Maturi, director of the Design Automation Group at National Semiconductor. "After an extensive validation of the various simulation technologies on the market, we have selected the Accelerated Parallel Simulator. We were able to easily plug it in our current flow without changing our use model, and we've been getting impressive performance results without sacrificing accuracy."

Among the performance gains reported by National, the Virtuoso Accelerated Parallel Simulator, running on eight cores, delivered a 13.3X improvement for a step down DC-DC converter with 26,000 devices. It delivered a 17X performance gain for a post-layout multi-rate video clock generator with 270,000 devices when run on an eight-core multi-processing compute platform.

In addition, National achieved an additional performance boost with the parasitic reduction capability for post-layout analog IP dominated by parasitics.

"National Semiconductor's designs are just the type of medium to large complex designs that the Accelerated Parallel Simulator was developed to address," said Zhihong Liu, corporate vice president of

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Cadence. "Like our other customers, National's worldwide design centers have been able to reduce overall simulation time and meet ambitious tapeout schedules with the Virtuoso Accelerated Parallel Simulator."

The Virtuoso Accelerated Parallel Simulator is part of the Virtuoso Multi-mode simulation platform and delivers the full accuracy of the industry reference Cadence Virtuoso Spectre Circuit Simulator.

Developed to solve the largest and most complex analog and mixed-signal designs across all process nodes, it consists of a combination of proven Cadence simulation technologies and a breakthrough parallel circuit solver along with a newly architected engine that efficiently harnesses the power of multiprocessing computing platforms. The result is a circuit simulator with an accuracy and use model identical to the Virtuoso Spectre Circuit Simulator, delivering significantly improved single-thread performance and scalable multi-thread performance.

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GIGABYTE Accelerates Product Development Cycle By 30% With PTC Windchill 9.0

13 July 2009

PTC announced that [GIGABYTE](#) Corporation, a leading consumer electronics manufacturer, has deployed [Windchill®](#), PTC's content and process management solution, to accelerate product development in its NetCom division. As a result of the implementation, product development hours have been reduced by up to 30%, helping GIGABYTE to increase competitive advantage through tighter integration with its supply chain and faster time to market. The Windchill deployment expands GIGABYTE's existing relationship with PTC as a long time user of [Pro/ENGINEER®](#) for product design.

Established in 1986, GIGABYTE Technology, a leading manufacturer of motherboards and graphics accelerators has expanded its product portfolio to include more diverse digital products including Notebook and desktop PCs, digital home appliances, networking servers, communications, mobile and handheld devices. Facing the highly competitive international market and the need to meet constantly changing customer requirements, GIGABYTE needed a solution that would enable it to optimize its product development process and accelerate time to market. Based upon its successful use of Pro/ENGINEER for product design, the company chose to expand its relationship with PTC through deployment of Windchill® 9.0 for content and process management. GIGABYTE will use Windchill to manage Research and Development projects, Engineering Revisions, product information & BOM, technical documentation and engineering information and integrate with the current ERP system.

"Windchill 9.0 will help optimize product development at GIGABYTE by reducing research and development hours, increasing data reuse rate across the development team and improving project quality," said Mr. Nill Bai, CIO, GIGABYTE. "Streamlining the development process will enable our engineers to work more efficiently while maximizing innovation and quality, which supports our strategic objectives."

"Windchill 9.0 is uniquely able to support organizations like GIGABYTE by providing a single, comprehensive PLM system that supports the entire process starting from early-stage product development," said David Rubin, director, product and market strategy, PTC. "We are pleased that the collaboration between GIGABYTE and PTC has helped GIGABYTE to bring its products to market faster and more efficiently to achieve its business objectives."

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Hitachi Implements 50-Million Gate Design Using Cadence Encounter Digital Implementation System

14 July 2009

Cadence Design Systems, Inc. announced that Hitachi has fully implemented a chip design in excess of 50 million gates in just five weeks using the [Cadence® Encounter® Digital Implementation \(EDI\) System](#).

When designing large-scale, multi-million gate devices, the overriding concern is turnaround time. The EDI System has the capacity to handle such large-scale designs using the flat implementation flow. Major improvements to the design infrastructure, such as multiprocessing and precise correlation throughout the integrated design environment from implementation to signoff have enabled both tremendous performance improvements and greatly enhanced quality of results.

“Today’s LSI has clearly shifted to become large scaled due to the increased use of IP, while the market window has drastically narrowed,” said Nobuo Tamba, Ph.D., general manager of the Design & Development Operation, Micro Device Division, Hitachi Ltd. “Hitachi is continuously aiming to provide the best-performance, best-quality products, so it is critical for Hitachi to shorten the design time for large-scale LSIs. We adopted the Cadence Encounter Digital Implementation System that brought us a remarkable design efficiency to complete 10 million gates per week. We strongly believe that such a short design turnaround time will be a significant advantage for our large-scale designs.

The EDI System’s masterplan automatic floorplanner, high-speed prototyping floorplan verification, and multi-threaded processing at each stage were major contributors to the quick, five-week implementation of the 50-million-gate designs. Along with the EDI System, Encounter Timing System enabled Hitachi designers to quickly analyze and optimize timing for the large-scale design and lead to faster design closure with a significant gain in productivity. The parallel processing function in Cadence QRC Extraction contributed significantly to the turnaround time reduction at the signoff stage.

“The EDI System represents a new generation of implementation solutions with its fundamental new architecture and end-to-end multicore backplane to address the requirements of very large-scale designs. It also delivers a complete solution for low-power, mixed-signal, and advanced-node design, including full embedded electrical signoff and DFM,” said Dr. Chi-Ping Hsu, senior vice president of research and development for the implementation group at Cadence. “We’re very pleased to have assisted Hitachi in creating this complex, large-scale design, and this success is further evidence of Encounter enabling breakthrough results for our customers.”

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Irish Architecture Firm Prefers ZWCAD

9 July 2009

Michael Collins is director of Michael Collins Associates (<http://www.mca.ie>), an Irish architectural practice. In a recent interview, Mr. Collins praised ZWCAD as “just as fast and reliable, or even better” than the existing system they have been using “at a very big reduction in cost.”

Established in 1988, MCA provides a full range of architectural, interior design, master planning, and

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project management services. The firm is involved principally in the areas of urban renewal, commercial, residential, educational, healthcare, and leisure, as well as buildings for the bloodstock (horse breeding) industry.

Using CAD software, MCA generates architectural and interior design services, and produces architectural design and construction drawings. Mr. Collins said his firm has about 30 CAD workstations that have been running another CAD system for the last twenty years. This year, however, they converted four of the workstations to run ZWCAD.

Mr. Collins explained how they are using ZWCAD 2009 for managing production. "We have been running ZWCAD successfully on the four workstations for the past six months. We use ZWCAD as our drafting tool to produce architectural designs and construction drawings."

The other CAD system used by MCA is the market leader in Ireland. "Because of the lack of competition, however, it has become very expensive for us to maintain," said Mr. Collins.

He gave a high evaluation of ZWCAD, confirming that the software met his firm's needs and requirements. "It provides a cost-effective alternative to our existing CAD system. It has proved to be just as fast and reliable, or even better than our existing system at a very big reduction in cost," he said.

"Standard ZWCAD even has features that are not provided by the more expensive program, such as the ability to edit blocks and external references," he added.

Asked about the service, support, and training from ZWCAD Software Co. and EDA Systems, its authorized distributor in the United Kingdom, Mr. Collins gave a clear answer: "The service and support provided by ZWSOFT and EDA has been excellent," he said.

"We are very pleased with its performance over the six months we have been using it. And we will continue to use it," emphasized Mr. Collins. "This is the first time we have found a real alternative CAD software to our existing system."

MCA had been looking for a viable alternative to its existing CAD software package for a number of years. ZWCAD provided the first affordable, fast, and reliable alternative program that met their needs.

Major clients of Michael Collins Associates include Ireland-based organizations in all fields, including American Airlines, Anglo Irish Bank, Deutsche Bank, Ericsson, FBD International, Fours Seasons Hotels, IBM, J M Huber, Lufthansa, Ernst & Young, KPMG, BCM Hanby Wallace, Department of Education & Science of Ireland, Department of Health & Children in Ireland, Dublin City Council, Enterprise Ireland, Fingal County Council, Ireland Food Safety Authority, and Ireland National Disease Surveillance Center.

About ZWSOFT

ZWSOFT is headquartered in Guangzhou, China, with branches in Beijing, Shanghai, and Wuhan. As a leading supplier of CAD software solution, the company employs about 360 staff and is supported by an international network of highly skilled strategic partners, distributors, and resellers.

ZWCAD is ZWSOFT's flagship product. It meets the needs of a broad base of target groups in 2D/3D design industries with 150,000 users throughout the world. ZWCAD is the leading brand in China's CAD industry, and it competes successfully in over other 75 countries.

For more information, please contact:

ZWCAD Software Co., Ltd.

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Korg Italy Tunes up with think3 PLM

14 July 2009

[Think3](#) and Korg Italy, part of the Japanese group [Korg Inc.](#), a leader in the production of electronic keyboards and musical instruments, have extended their historical partnership to enable a new PLM project.

Korg Italy Spa designs and manufactures high-tech musical instruments such as digital pianos and home keyboards. KORG Italy is the group's European research and development centre. The company combines innovation and advanced technology with the solid Italian tradition of design and musical instrument making.

The collaboration between think3 and Korg Italy dates back to 1997 when think3 guided Korg Italy through the changeover from 2D to 3D. This development brought considerable benefits in the product development cycle.

Recently, Korg Italy has extended the partnership with think3 for a new PLM project. A Korg product has between three hundred and one thousand components, some commercial, some customized. The company wanted to optimise its entire product development process and part management procedures.

"We were looking for a flexible, easy-to-use solution which permitted the management of the numerous components comprising a Korg product. At the same time the solution had to enable the management of parallel projects and the sharing of updated information both in-house and with our outside suppliers" says Franco Ripa, Hardware Development Manager at Korg Italy.

To do this, Korg Italy implemented the thinkteam suite for product data management and webteam, the web interface for thinkteam. The solution proposed by think3 benefited the organisation of the entire process and at the same time opened the way for Korg Italy towards globalisation.

Korg Italy uses webteam to manage its spare parts service. This module is a winner with distributors

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because they can make orders in real time: the reseller sees the object, places it in the trolley with the price clearly shown and the order is processed automatically at Korg. Previously the spare parts service was managed by three people. Now, it only requires one.

"We are currently working on a new phase of the PLM project – the exchange of parts lists with China", explains Ripa. Korg has had two production facilities in China for several years. Product engineering is done in Italy while China handles the production side. "Our objective," continues Ripa "is to ensure that our parts list is automatically present on the Chinese management system. This will enable considerable savings in the time and resources needed to manage the lists. At present we transfer the lists manually on Excel spreadsheets which take a considerable time to draft and check. We also hope to reduce the amount of human error present in the current system. Webteam will enable the various offices of Korg world-wide to access this information in real time."

Put briefly, the implementation of these think3 solutions has brought the following benefits: more efficient collaboration between the company departments involved in the product development process thanks to the sharing of continuously updated information; a more straightforward, efficient change management process based on automatic communications between the company departments involved; more efficient supplier relations management thanks to equal electronic access to technical documents via Webteam; elimination of manual processes; reduction in production errors; reduction in document retrieval times.

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NetLogic Microsystems Selects Synopsys as Its Primary EDA Partner

14 July 2009

Synopsys, Inc. announced that NetLogic Microsystems, a leader in the design and development of knowledge-based processors and high-speed integrated circuits, has signed an expanded business agreement to establish Synopsys as its primary EDA partner. NetLogic Microsystems chose Synopsys because of its technology leadership and its ability to help NetLogic Microsystems meet its aggressive product schedules.

"Our continued success is driven by our leadership in technology innovation, our successful delivery of highly complex silicon products in advanced process nodes and our track record of first-silicon successes," said Dr. Dimitrios Dimitrelis, vice president of engineering for NetLogic Microsystems. "The design tool efficiency, accuracy and robustness of Synopsys technology have helped us achieve this combination of product and technical excellence. We look forward to our continued collaboration with Synopsys as we develop next-generation knowledge-based processors and physical layer products for advanced telecommunications, enterprise, data center and storage networks."

With this latest agreement, NetLogic Microsystems is consolidating on Synopsys' Galaxy™ Implementation and Discovery™ Verification Platforms. The expanded set of selected products include Design Compiler® synthesis, PrimeTime® timing analysis and PrimeTime SI signal integrity analysis, Star-RCXT™ parasitic extraction, the VCS®, ESP-CV, HSPICE® and HSIM® simulators for analog and digital verification, NanoTime transistor-level static timing analysis, and DesignWare® Library's portfolio of synthesizable and verification IP.

"Today's economic realities require leading fabless companies to seek design partners who can help them reduce their total cost of design and accelerate the deployment of new designs implemented in the latest process technologies," said John Chilton, senior vice president of marketing and business

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development at Synopsys. "By extending our collaboration with NetLogic Microsystems, we can leverage our mutual strengths and the efficiencies of a fully integrated Synopsys flow to help them deliver products that significantly enhance the performance and functionality of next-generation networks."

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Red Bull Finds the Winning Formula with JETCAM

9 July 2009

Licenses of JETCAM Expert with High Performance Nesting, JETCAM Orders Controller (for order management/reporting) and JET-Term (for DNC) were supplied and training was completed in one day. Steve Brown, Red Bull Composite Kit Cutter commented; "JETCAM is more user-friendly than our previous system, and also easier than another system I'd used in the past elsewhere."

Once the system went live Red Bull Technology saw a number of benefits, the most noticeable of which was the nesting efficiency. Supplies of composite materials can be limited and lead times can be lengthy, and so Red Bull Technology has to maximise their material efficiency. Steve noted; "Recently we had to make some parts but could not get additional material, so had to make do with the material in stock. On our previous nests we were running at 300mm short of requirement, but when I ran the plies through JETCAM's high performance nester it saved us 305mm - enough to complete the order." Andy added; "If you can't make enough of a part it can leave the team in jeopardy if they don't have enough spares. We outsourced the cutting of another order as we had no time to cut it in-house. The supplier was telling me that they needed 327 linear metres to complete the job, however when we ran it through JETCAM we did it in 287 metres, which at over £100 per m² equates to a £4k saving, and this on a nest we ran two or three times."

In addition to material savings Red Bull Technology also saw an increase in throughput on the machine due to features such as common-line cutting, which allow plies to be separated using a single cut rather than leaving a skeleton. Steve noted; "Our previous system would not always rotate parts at all available angles, and also could not perform common cuts. Previously one particular nest of a wishbone would take three hours to cut, but with JETCAM I can do it in 1 ¾ hours."

The process of loading JETCAM Expert with orders remotely is achieved using JETCAM Orders Controller (JOC). Steve cites that this has significantly improved time from order to nest; "Previously it was sometimes quicker to cut a ply by hand than re-nest it. Now we just load a complete part or individual ply orders into JOC and all required plies are immediately ready to nest. I can queue up all the jobs and combine orders and then nest them together. We can also save end of roll material and create smaller nests to better utilise it." JETCAM has extensive reporting capabilities, providing instant nesting efficiency and runtime statistics, which Red Bull Technology load onto their works orders. This provides the accounts department with immediate visibility of where material costs are within parts on the shop floor.

Purchasing also saw significant benefits; Andy explained; "Many materials are specific to the Formula 1 industry, with some even unique to Red Bull Technology. JETCAM gives me the scope to forward order and plan better."

Since installation the system has proven 100% reliable, with Red Bull Technology experiencing no down time because of either machine or software related problems. Their maintenance costs are also lower than before.

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The motor sport industry is different than general manufacturing and has different indicators of success. Where most companies use the barometers of turnover and profit, Red Bull Technology has only one - the podium. Andy concluded; “We can’t work too far ahead, as designs frequently change which would mean scrapping expensive parts. Where we save most is in time. We don’t have the luxury of lead times like other industries. With JETCAM we are now able to produce parts much quicker than previously.”

Benefits:

- System paid for itself within 3 months
- At least 16% more efficient than previous software in benchmark tests
- More user friendly than other systems used by programmer
- Machine cycle time reduced by up to 42%
- Just in time nesting provides faster part turnaround
- Live reporting data gives immediate visibility of material costs on the shop floor
- Staff trained in one day
- More purchasing power due to better forward-planning information
- Lower maintenance costs
- Recommended by machine vendor

Machines:

- Zund L-2500 Knife Cutter
- Zund L-1200CV Knife Cutter

Red Bull Technology manufactures Formula 1 motor sport cars for Red Bull Racing. In 2008 the company decided to replace their existing flat bed knife cutter with two Zund knife cutters, one with a conveyor bed. They decided to evaluate CAM systems, investigating an upgrade to their existing CAM software as well as looking at alternatives.

Said Andy Bosworth, Production Coordinator; “We ran a series of benchmark comparisons and JETCAM had the lowest scrap rate and highest efficiency on material, with nests at least 16% more efficient than our current nests. It was also recommended by the machine tool vendor, which was a major factor in our decision to select it.”

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SFI to Implement aPriori for Product Cost Management

14 July 2009

aPriori announced that SFI of Tennessee LLC, the country’s leading supplier of medium and heavy gauge components to OEMs in the agricultural, construction, industrial, transportation and defense industries, has selected the aPriori [Product Cost Management](#) software platform to provide faster, more consistent cost estimation of customer requests for quotations (RFQs).

Rob Kabel, Director of Information Technology at SFI, offered the following comments about their investment in [real-time product costing](#), “aPriori was able to demonstrate that they could read in all

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different types of CAD product models from customers, and rapidly tell us the cost to manufacture that part, and the most cost efficient routing within our plant. This is something that would normally take us days to determine. With this tool in the hands of our cost estimators, we believe that we will be able to respond faster, to a higher volume of opportunities, with more detailed information than we ever have before.”

“SFI represents an interesting new use case for our product,” said Stephanie A. Feraday, President and CEO of aPriori. “Up until now, [our customers](#) have been OEMs who are looking for ways to hit target costs for new product introductions, reduce cost of current products, and drive down the cost of outsourced parts. OEMs are looking to outsource business to suppliers like SFI, but demand accurate and detailed quotations. From the supplier’s perspective, it’s challenging to keep up with the number of business opportunities because generating accurate and detailed quotations is a manual, resource-intensive process. With aPriori, the time required to generate a detailed [cost estimate](#) can be reduced from days to minutes. Think how much more revenue a supplier could drive if they could respond to double the amount of opportunities they quote today.”

About SFI

[SFI Fabrication](#) was founded in 1956 and has grown to the leading OEM parts manufacturer in the nation. The company offers a full spectrum of manufacturing process operations, including press brake, roll forming, coil processing, laser cutting, stamping, welding, machining, powder coat painting and assembly. Today SFI employs over 800 skilled professionals that are constantly measured to insure world class performance. When you partner with SFI, you partner with the brightest most talented people in the fabrication industry. SFI operates 3 locations in Memphis, Tennessee, Conway, Arkansas and New Boston, Ohio.

To see an overview demonstration of aPriori, [click here](#).

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Siemens PLM Software-Sponsored Wayne Taylor Racing Wins Grand-Am Rolex Sports Car Series Race

13 July 2009

[Siemens PLM Software](#) announced that Siemens PLM Software-sponsored Wayne Taylor Racing – whose cars are developed with the help of Siemens PLM Software technology provided through an official technology partnership – won the Grand-Am Rolex Sports Car Series Brumos Porsche 250.

Wayne Taylor Racing’s No. 10 SunTrust Ford Dallara Daytona Prototype Team driver Max Angelelli won the race in a nose-to-tail battle over the final 10 laps of the Daytona (Fla.) International Speedway road circuit to score the team’s first victory of the season and move to within one point of the Rolex Series Championship Lead.

This was Angelelli and SunTrust’s 13th career victory in 73 race starts since joining the Rolex Series in 2004 and the third career victory for Angelelli’s co-driver, Brian Frisselle. With the win, the SunTrust team now has 198 championship points through the season’s first seven of 12 events.

“Siemens PLM Software congratulates Wayne Taylor Racing on the win and we wish the team good luck,” said Dave Shirk, executive vice president, Global Marketing, Siemens PLM Software. “Siemens PLM Software is proud to be an official technology partner and is pleased to know that the same seamless, open solutions that help our customers turn more ideas into successful products are helping the race teams put the

best cars out on the race track to finish in the winner's circle."

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Industry-Wide News

EDA Consortium Reports Industry Revenue Down in First Quarter 2009

15 July 2009

The EDA Consortium (EDAC) Market Statistics Service (MSS) announced that the electronic design automation (EDA) industry revenue for Q1 2009 declined 10.7 percent to \$1192.1 million, compared to \$1334.2 million in Q1 2008, driven primarily by an accounting shift at one major EDA company. The four-quarter moving average declined 11.3 percent.

"The business environment remained difficult for EDA as for other industries, with Q1 EDA revenues declining in all regions except Asia Pacific," said Walden C. Rhines, EDA Consortium chair and Mentor Graphics CEO and chairman. "Nevertheless, for Q1, the overall decline was less than for the previous quarter."

Companies that were tracked employed 26,561 professionals in Q1 2009, down 2.8 percent from the 27,329 employed in Q1 2008, and down 2.7 percent from the 27,311 employed in Q4 2008.

Revenue by Product Category

Computer Aided Engineering (CAE), EDA's largest category, generated revenue of \$427.9 million in Q1 2009. This represents an 18.8 percent decrease over the same period in 2008. The four-quarter moving average for CAE declined 16.8 percent.

In the next largest category, IC Physical Design & Verification, revenue decreased to \$302.2 million in Q1 2009, a 5.4 percent decrease compared to Q1 2008. The four-quarter moving average declined 21.6 percent for IC Physical Design & Verification.

Printed Circuit Board and Multi-Chip Module (PCB & MCM) revenue decreased 7.1 percent compared to Q1 2008, to \$119.9 million. The four-quarter moving average for PCB & MCM decreased 0.6 percent.

Semiconductor Intellectual Property (SIP) revenue totaled \$236.3 million in Q1 2009, a 12.8 percent decrease compared to Q1 2008. The four-quarter moving average for SIP decreased 1.4 percent.

Services revenue was \$105.7 million in Q1 2009, an increase of 20.4 percent compared to Q1 2008. The four-quarter moving average for services was up 24.6 percent.

Revenue by Consuming Region

The Americas, EDA's largest region, purchased \$494 million of EDA products and services in Q1 2009, representing an 11.6 percent decrease compared to Q1 2008. The four-quarter moving average was down 15.4 percent for the region.

Europe, the Middle East, and Africa (EMEA) revenue was down 15.9 percent in Q1 2009 compared to Q1 2008, with revenues of \$223.2 million. The four-quarter moving average for Western Europe was down 7.5 percent.

Q1 2009 revenue from Japan decreased 17.7 percent to \$265.5 million compared to Q1 2008. The four-

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quarter moving average for Japan decreased 10.8 percent.

The Asia/Pacific (APAC) region increased to \$209.4 million in Q1 2009, an 11.5 percent increase compared to the same quarter in 2008. The four-quarter moving average declined 4.7 percent.

About the MSS Report

The EDA Consortium Market Statistics Service reports EDA industry revenue data quarterly and is available by annual subscription. Both public and private companies contribute data to the report. Each quarterly report is published approximately three months after quarter close. MSS report data is segmented as follows: revenue type (product licenses and maintenance, services, and SIP), application (CAE, PCB/MCM Layout, and IC Physical Design and Verification), and region (the Americas, Europe Middle East and Africa, Japan, and Asia Pacific), with many subcategories of detail provided. The report also tracks total employment of the reporting companies.

About the EDA Consortium

The EDA Consortium is the international association of companies that provide design tools and services that enable engineers to create the world's electronic products used for communications, computer, space technology, medical, automotive, industrial equipment, and consumer electronics markets among others. For more information about the EDA Consortium visit <http://www.edac.org>, or to subscribe to the Market Statistics Service call 408-287-3322 or email mss09@edac.org.

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Product News

Altair Adds Sculptor from Optimal Solutions Software to the HyperWorks Enabled Community

14 July 2009

Altair (<http://www.altair.com>) announced the addition of Sculptor from Optimal Solutions Software, a leading provider of shape optimization software technology for Computational Fluid Dynamics (CFD) (<http://www.optimalsolutions.us>) to its HyperWorks Enabled Community (HWEC). HyperWorks customers can now download the latest version of Sculptor, along with 24 other available third-party software applications, at no incremental cost using their existing HyperWorks software license system at <http://www.hyperworkscommunity.com>. This brings the total number of applications available under the HyperWorks platform to 52.

"Participation in the HyperWorks Enabled Partner Program is an exciting opportunity to make Sculptor easily available to existing HyperWorks customers worldwide," said Phil Belnap, President of Optimal Solutions Software. "The concept behind the HyperWorks Enabled Partner Program fits very nicely with the philosophy of Optimal Solutions. We expect our participation to not only prove beneficial to potential CFD users but also complement our overarching global growth strategy."

Sculptor improves design performance through shape optimization and empowers CFD engineers and designers to quickly determine optimal designs using Optimal Solutions' patented Arbitrary Shape Deformation (ASD) technology without having to remesh after each iteration. Set up in batch mode with commercially available CFD solvers and optimizers, Sculptor can find those shape changes that will increase performance based upon the criteria set up by the user. The new shapes can be then taken back to the native CAD format using the Back2CAD module.

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To date, about 150 companies worldwide have joined the HyperWorks Enabled Community, maximizing their current investment in HyperWorks licenses by giving their engineers and designers access to a growing pool of leading technology solutions.

HyperWorks is a suite of enterprise analytic applications that includes statistical, database, visualization and simulation software to help companies make better business decisions. Its patented HyperWorks Units licensing technology allows users to transparently share software licenses globally across a broad suite of applications.

"The addition of Sculptor to the HyperWorks Enabled Community demonstrates our continued commitment to providing best of breed technologies to our HyperWorks users. Sculptor extends our growing portfolio of CFD solutions and is complementary to our existing offerings," said Michael Humphrey, Altair vice president of partner programs. "Our worldwide customers are welcoming the HWEC, recognizing this program provides increased flexibility to shorten their product development process while saving them money."

About Optimal Solutions Software

Sculptor the flagship product from Optimal Solutions sets the standard for optimizing CFD/CAE models for improved performance. Sculptor's technology gives engineers the tools they've needed to mold design shapes for optimal performance. Using Arbitrary Shape Deformation (ASD) technology engineers and designers can improve their designs using either manual deformations or using batch mode set up problems to be solved iteratively to find the best possible shape for the criteria. Optimal Solutions has interfaces for most of the commercially available CAD/CAE codes on the market today. Coupled with a solver and an optimizer Sculptor can find those small subtle changes in shape that bring the highest return on investment. Jobs that used to take months to accomplish can now be done in a fraction of the design time. Cutting valuable engineering time cuts costs, reduces time to market, and achieves design improvements that would not be possible using traditional methods. Using Optimal Solutions Back2CAD module lets you return your improved geometry back into the native CAD, expediting the design process. To learn more, please visit www.optimalsolutions.us.

About the HyperWorks Enabled Community Program

HyperWorks uses a subscription-based software licensing model, where software licenses float across the enterprise, and customers can use floating licenses to access a broad suite of Altair developed and third party software applications. For more information about the HyperWorks Enabled Partner Program, visit <http://www.hyperworkscommunity.com>.

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Bentley Building Electrical Systems V8i for AutoCAD Increases Productivity, Saves Time and Money, Is Easy to Use

15 July 2009

Bentley Systems, Incorporated announced the release of Bentley Building Electrical Systems V8i for AutoCAD. This product is the first comprehensive and intelligent AutoCAD-based electrical systems software for the integrated design and analysis, documentation, construction, and management of everything from power distribution and lighting systems to fire detection, security, communications, and other electrical/electronic systems in commercial, institutional, and industrial facilities. Developed for the needs of electrical engineers, designers, and contractors, this software increases productivity, design

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quality, and accuracy; saves time and money; enables bidirectional interoperability with analysis programs; and facilitates sustainable designs.

Rob Whitesell, senior vice president, Building and Plant Products, Bentley Software, said, "A key advantage of this unique software offering is that it adds electrical design capabilities to a user's existing CAD environment, reducing costs and accelerating implementation. It also provides bidirectional compatibility with MicroStation, AutoCAD, and Revit, and offers an efficient migration path to 3D and Building Information Modeling."

The software's dedicated productivity tools automate and clearly capture design, while its bidirectional interoperability with analysis applications -- including Bentley's building performance analysis software -- shortens the design/analysis process and eliminates transcription errors. At the same time, it ensures compliance with energy efficiency standards such as ASHRAE 90.1 and LEED, facilitating sustainable design.

Bentley Building Electrical Systems V8i for AutoCAD makes CAD-based design of electrical systems easy and intuitive. However, this stand-alone software also provides advanced capabilities that empower users to design with greater freedom by:

- Facilitating stepwise refinement of design, minimizing rework by allowing users to add design detail as it becomes available;
- Making it possible for users to focus on engineering design versus drafting, increasing productivity and creativity;
- Facilitating not only transparent access to electrical design information on demand, but also the reuse of design data.

For additional information about Bentley Building Electrical Systems V8i for AutoCAD, visit <http://www.bentley.com/BBESforACAD>.

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Cadence Introduces First TLM-Driven Design and Verification Solution to Increase Engineering Productivity over RTL-based Flows

15 July 2009

[Cadence Design Systems, Inc.](#) introduced the first unified TLM-driven design and verification solution and methodology enabling SoC designers to reap the benefits of transaction-level modeling (TLM). The Cadence® solution combines C-to-Silicon Compiler with new memory compiler integration and C/C++ usability, Incisive® Enterprise Simulator with new TLM/RTL metric-driven verification and source level debug visualization, Calypto® sequential logic equivalence checking, the first version of the TLM-driven design and verification methodology, and customer adoption services. The new solution enables SoC TLM IP to be designed, synthesized and verified, resulting in faster design creation, increased functional verification productivity, and more opportunities to reuse design and verification IP.

"We have been employing high-level synthesis and TLM verification for several years, and verification methodology has proven to be quite challenging," said Raimund Soenning, hardware development manager, Graphics Competence Center, Fujitsu Microelectronics GmbH. "The Cadence methodology addresses the challenges we've experienced applying metric-driven verification from TLM through

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RTL, and mixing the two. We see significant opportunities to increase the reuse of our design and verification IP by following the comprehensive Cadence methodology.”

The new TLM-driven design and verification methodology encompasses SystemC modeling guidelines for virtual platforms and high-level synthesis, and defines the process for performing multi-language OVM-based functional verification of TLM, TLM/RTL, and RTL. The methodology will be delivered in the form of manuals, self-paced tutorials, and workshops with hands-on labs. New solution capabilities include migration from C/C++ to enable automatic conversion of legacy design sources to SystemC TLM; high-level synthesis integrated with popular memory compilers to optimize for each architecture; and side-by-side analysis and traceability of SystemC and synthesized RTL.

“Transaction-level design and verification is a reality,” said Brian Bailey, of Brian Bailey Consulting. “The individual pieces have been developed, and Cadence has accomplished the first steps in making them work together in a unified methodology.”

The new TLM-driven methodology improves productivity, design quality, and project schedule predictability. Unlike prior technology, this comprehensive new solution enables customers to reuse TLM design and verification IP as golden source.

“Cadence is uniquely positioned to combine design and verification of TLM/RTL environments to address critical barriers to adoption,” said Michael McNamara, vice president and general manager, systems software group, Cadence Design Systems. “Focusing on the complete needs of the customer, we are delivering on the full promise of system-level design productivity.”

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Delcam CRISPIN Releases New Shoe Upper Design Software

15 July 2009

Delcam CRISPIN has released a new version of its ShoeDesign software for upper design. The main change in the new release is a revised user interface, which has made the software easier to learn, and simpler and more intuitive to use. Even the most complex styles can now be produced within a few hours.

Using ShoeDesign speeds the development of new styles by allowing faster creation of original designs and by using photo-realistic images to reduce the need for physical samples. The free Delcam CRISPIN 3D viewer, which can be downloaded from <http://www.footwear-cadcams.com> allows 3D designs to be communicated to clients worldwide for their comments. Adjustments to the design can be made within minutes then resubmitted for approval within seconds. When physical samples are needed, ShoeDesign can output designs to be rapid prototyped for design and marketing reviews.

ShoeDesign can also reduce the cost of developing new designs. Features created in 3D allow manufacturing issues and costs to be analysed and changed early in the design process. This reduces the cost of making the changes and minimises the possibility of problems arising at the manufacturing stage.

In the latest version, the development of styles in ShoeDesign is controlled through a new "Activities" toolbar that covers the complete process from the import of the last shape through to the export of the finished design. The software allows the user to draw style lines directly on the last; apply colours, textures, padding and material thicknesses to the various elements; and then add features like stitching, eyelets and laces, or accessories such as buckles and trims.

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The wide range of material textures, accessories and features supplied within ShoeDesign allows different design concepts to be created and evaluated quickly and easily, whether they are fashion, conventional or sports-type styles. The new release has made it easier for users to add and use their own libraries to speed the development of footwear ranges for particular brands or OEM customers, as well as to develop their own company design specifications.

Of course, ShoeDesign can be fully integrated with other software within the Delcam CRISPIN range. In particular, sole units created in SoleEngineer can be imported into ShoeDesign to generate a complete 3D model of the whole shoe. Since both parts can be generated from the same last design, the software will guarantee that they match accurately. Similarly quick, accurate flattening of the formes and design lines within ShoeDesign can generate the data required for 2D pattern engineering.

Delcam CRISPIN is unique in being able to provide software for the design of both uppers and soles, and for 2D and 3D manufacturing. This broad range of programs has been a major factor in establishing the company as the leading supplier of CAD/CAM to the footwear industry.

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EVE Ushers in New Era for Hardware-Assisted Verification with Launch of One-Billion Gate Emulator

14 July 2009

EVE ushered in a new era of hardware-assisted verification with the launch of [ZeBu-Server](#), a scalable emulation system capable of handling up to one-billion application specific integrated circuit (ASIC) gates.

Priced at less than a penny per gate for large configurations, ZeBu-Server offers a high level of automation, short compile time, multi-user capabilities and greater execution speed than previous generations. Its transactor catalog eases and accelerates the installation of the run-time environment. These features set a new standard in performance and affordability, making ZeBu-Server the lowest cost of emulation ownership in the industry.

ZeBu-Server is suitable for all system-on-chip (SoC) verification needs across the entire development cycle, from hardware verification, hardware/software integration to embedded software validation. It can be used as a multi-user, multi-mode accelerator/emulator with a typical performance of 10 megahertz (MHz) on a 40-million gate design.

“With its best-in-class capabilities and unique benefits, ZeBu-Server is a breakthrough in emulation and acceleration,” affirms Lauro Rizzatti, EVE-USA’s general manager and vice president of marketing. “Priced to be the most cost-effective system on the market today, it offers high-capacity, fast setup, unparalleled speed of execution and powerful design debugging. All coalesce to ease the transition from processor-based emulators and custom FPGA-based emulators.”

The ZeBu-Server compiler includes a multicore capability to break the linearity of the compile time on large designs. For example, in early tests, the ZeBu-Server software compiled a 200-million gate design in less than 10 hours, and a one-billion gate design in less than 12 hours.

ZeBu-Server offers automated, fast and incremental compilation from SystemVerilog, Verilog and VHDL register transfer level (RTL) code. As an interactive hardware/software debugging tool, ZeBu-Server includes complete RTL signal waveform dumping and support for SystemVerilog Assertions.

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Eight of the top 10 semiconductor companies use ZeBu (Zero Bugs) emulation platforms in their verification flow. These platforms are used for SoC hardware verification and software development to shorten time to tapeout, improve product quality and eliminate costly respins, while shortening software development time ahead of silicon.

EVE will offer formal demonstrations of ZeBu-Server for the first time in Booth #908, South Hall at the 46th Design Automation Conference (DAC) July 27-30 at the Moscone Center in San Francisco.

Pricing and Availability

ZeBu-Server is shipping now, and is priced from \$150,000.

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Magma and Camtek Team to Enhance Yield of Advanced Semiconductors

14 July 2009

Magma® Design Automation Inc. announced that [Camtek Ltd.](#) has integrated Magma's YieldManager® software into [Falcon](#), Camtek's flagship line of automated wafer inspection and metrology systems, and will sell it as an option. The combination of Camtek's automated inspection platforms and Magma's [YieldManager](#) allows fab engineers to more effectively analyze inline defect data and yield data to accelerate root cause identification of yield problems, ensuring higher yields and reducing manufacturing costs.

Camtek systems deliver 2D and 3D capabilities in a versatile and flexible platform that meets the evolving demands of any design application. Cleanroom compatibility and compliance with factory automation standards allows Camtek systems to fit into the most advanced production environments. [YieldManager](#) is a customizable yield-management software system that allows engineers to collect, correlate, analyze and share critical data. [YieldManager](#) combines high-level correlation of data from disparate sources with the drill-down of data scope to expedite root-cause identification of yield-limiting problems, saving engineering time and focusing resources. The joint Magma-Camtek solution allows semiconductor fab and lab analysis teams to locate potential defects and make corrections faster.

"Minimizing manufacturing costs while ensuring reliability are critical factors for semiconductor success," said Rafi Amit, CEO of Camtek. "By enabling faster identification of yield problems, Magma and Camtek help semiconductor customers achieve their cost, performance and time-to-market goals."

"Advanced fabs have an array of sophisticated equipment that provides engineers with an unprecedented amount of information about the IC, but analysis of the data is time consuming," said Ankush Oberai, vice president of Magma's Fab Analysis Business Unit. "With [YieldManager](#) software and the Falcon systems, designers can more quickly and efficiently leverage the information from the automated wafer inspection system to make changes in the IC manufacturing process that enhance yield."

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Magma Announces Talus-Based RTL-to-GDSII Low-Power Reference Flow for UMC's 40-Nanometer Process

15 July 2009

Magma® Design Automation Inc. announced the availability of an integrated low-power IC

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implementation reference flow for UMC's advanced 40-nanometer (nm) process.

This reference flow supports the UMC 40-nm process and the UMC 40-nm low-leakage library. Based on the [Magma](#) Talus® IC implementation system and fully compliant with the Unified Power Format (UPF), it allows designers to address low-power nanometer design considerations during implementation and within a single environment, maximizing quality of results (QoR) while reducing turnaround time. Similar low-power reference flows for 90- and 65-nm processes are already available from Magma.

"UMC and Magma's long-standing partnership has resulted in many productive design support solutions for our customers," said Stephen Fu, director of the IP Development and Design Support Division at UMC. "Our latest effort is an integrated low-power IC implementation reference flow that gives designers a means to address low-power issues during the implementation phase of 40-nm designs."

"Our goal in working with UMC was to give project teams a way to address low-power nanometer design considerations with an integrated low-power IC implementation reference flow," said Premal Buch, general manager of Magma's Design Implementation Business Unit. "The Talus platform's unique integration accomplishes that goal while reducing overall turnaround time."

Availability

The reference flow is available from Magma now at no cost to Magma customers.



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Magma's Talus Vortex and Hydra Deliver Timing Closure On Tough STARC Design

13 July 2009

[Magma® Design Automation Inc.](#) announced that Japan's Semiconductor Technology Academic Research Center (STARC) has evaluated the Talus® Vortex physical implementation system and Hydra™, an auto-interactive floorplanning and hierarchical design planning and management solution.

STARC, a research consortium co-founded by major Japanese semiconductor companies, reported that the combined Talus Vortex and Hydra flow delivered impressive timing closure results on a very large test design and noted that the use of multi-processing throughout the flow contributes to the good turnaround time. Based on the these results, STARC is presenting Talus Vortex and Hydra to member companies as a complete hierarchical flow to manage multimillion-gate design complexity and achieve timing closure.

The decision to endorse Magma's tools was made after a competitive benchmark based on a hierarchical design that included 12 million logic gates, 1,147 memory macros and six hierarchical blocks targeted at the 45-nanometer (nm) process. The benchmark was meant to test the tools' ability to reach timing closure with no timing or design rule check (DRC) violations in the shortest amount of time.

Talus Vortex and Hydra reached timing closure with no DRCs and good turnaround time given the size of the design and the multi-mode, multi-corner optimization required to complete the design. Magma's logic optimization capabilities reduced congestion and yielded an implementation that was much easier to route. This, along with Magma's crosstalk-avoidance capability during routing, reduced chip area by more than 12 percent, a significant achievement.

"We were impressed with the performance of Magma's Talus Vortex and Hydra on this large, complex 45-nm design," said Nobuyuki Nishiguchi, vice president and general manager of Division 1 at STARC.

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"The Talus Vortex and Hydra multi-processing capabilities and large design capacity work well on large hierarchical designs. We were equally impressed with the system's ability to reach timing closure while optimizing for 15 different multi-mode, multi-corner scenarios."

"Ensuring that complex ICs operate correctly across all design modes and are 100 percent reliable across all process corners is an increasingly difficult task," said Premal Buch, general manager of Magma's Design Implementation Business Unit. "With Talus Vortex's native multi-mode and multi-corner capabilities, analyses are performed earlier in the flow, use less memory and offer better runtime. The results of the STARC evaluation demonstrate Talus Vortex's ability to meet the timing, area and turnaround time of today's most advanced designs."

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Objet Geometries Releases Software Enhancement for SolidWorks 2009

13 July 2009

Objet Geometries Ltd., a in **3D printing**, announced a new add-in for **SolidWorks® 2009** computer-aided design (CAD) software, CADMatrix™.

Available free of charge at the Objet **Web site**, the new CADMatrix™ add-in enables designers and engineers to assign Objet model materials to multi-part, multi-material designs within SolidWorks, thus allowing for increased control of 3D model validation.

The CADMatrix™ software for SolidWorks 2009 is designed specifically for users of Objet's Connex™ systems, the first to allow simultaneous printing of several materials with different mechanical and physical properties. Based on Objet's PolyJet Matrix™ technology, the Connex™ affords new time and price efficiencies in product development and manufacturing.

"We are proud to partner with Dassault Systemes SolidWorks Corp. to bring this great new capability to the SolidWorks design community," said Amit Shvartz, VP Marketing at Objet. "The Connex™ was the first 3D system to access the world of multi-material printing, an opportunity never before available. Now the introduction of CADMatrix™ takes this opportunity to a whole new level, allowing leading designers using SolidWorks to assign materials for the Connex directly in the design software platform."

Enhancing Capabilities for Multi-Material Designs

Using an intuitive three-step wizard, the new CADMatrix™ add-in guides users in assigning different materials to different parts of the design. Once the assignment process is completed, the add-in produces a ready-to-print Objet Digital Format (ObjDF) file, which can be sent by e-mail or exported for printing on the Connex™. As a result, designers and engineers can reduce design cycles and the need for reprints, speeding up the 3D printing process and ensuring greater model integrity as definitions are immediately implemented inside the design.

SolidWorks 2009 expands on the software's history of ease of use, design power and affordability by allowing design teams to spend more time on innovation and less on CAD software operations, ultimately making their companies more successful. The software helps companies design better products through an array of unique features, including more than 260 customer-driven enhancements and significant innovations that break new ground in engineering efficiency. SolidWorks® 2009 delivers an increase in speed, a reflection of an intensive effort focused directly on performance; improved workflow and verification capabilities to improve product quality; numerous drawing improvements; single-window, fully associative integration with all SolidWorks software products and many additional

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enhancements that directly satisfy customer requests.

"Objet Geometries has built a strong reputation for delivering the innovative rapid prototyping capabilities that many engineers need," said Nick Iwaskow, Manager, Alliances at DS SolidWorks. "Together, Objet and SolidWorks 2009 give engineers the tools, design power, and ease of use to streamline product development and design better products more quickly and effectively than ever before."

CADMATRIX™ for SolidWorks is available from the Objet Geometries download center at <http://www.objet.com/DownloadCenter>

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PDF3D Upgrades 3D Technical Reporting Suite Efficiency

15 July 2009

The PDF3D® solution for interactive 3D technical publishing is updated to version 1.9.0, where in a standard technical PDF report users can navigate in 3D revealing hidden detail. PDF3D enables distributing interactive 3D documents to everyone with the free Adobe® Reader, enhancing team communication, collaboration, improved distributed decision making and client project reporting. The PDF3D update includes a new PDF3DReportGen application, additional file formats and enhanced PDF model compression.

Highlights of PDF3D version 1.9.0 new features are:

- New PDF3DReportGen application for interactive file conversions
- Open Scene Graph integration, with 3DS, OpenFlight, DirectX, Lightwave 3D files
- Enhanced efficiency with mesh and texture image compression cache system
- Windows and Linux, 32 and 64 bit versions.
- Over 50 technical improvements

Employing enhanced efficiency in one case, a PDF file that was 52 Mb is now reduced to only 3 Mb with others seeing a 10-fold improvement, highly dependent on model characteristics. This brings many more models into the scope of simple email attachment or quick web downloads.

PDF3D enables creating interactive 3D presentations, including animation of time-varying physical phenomena directly inside PDF files, with playback inside PowerPoint. In Energy exploration, it enables more effective communication of oil & gas reserve assessment, seismic data interpretation, basin evolution, and mineral exploration. The 3D PDF method can represent transient geospatial events such as hydrological models including flood and coastal erosion due in part to global climate change. High value 3D content is typically locked up in proprietary systems or formats. PDF3D allows repurposing 3D content for sharing, collaboration and training. In a 3D PDF document, interactive model is in context with important technical notes, finance information, allowing secure distribution and archive functions. Further, 3D views can be injected into legacy PDF files, adding automatically generated view points.

Providing universal access to 3D models to corporate project teams is increasing the value of 3D data leading to: lower project and product communication costs, accelerated collaboration and decision process for stakeholders, expanding use of PDF as trusted brand for multi-media communication.

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PDF3D is an independent 3D technical publishing technology for 3D models viewable in PDF documents. Covering a wide range of applications from geology, aerospace, architecture, product packaging, and online sales & marketing, PDF3D makes it practical to distribute interactive 3D documents to everyone with the free Adobe Reader.

The ISO9001:2000 certified professional services team provides custom 3D PDF workflows, system integration and novel user interface development services.

Contact Details:

PDF3D, Visual Technology Services Ltd.

Tel: +44(0)7787 517529, Email: info at pdf3d.co.uk, Web: www.pdf3d.co.uk

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Polygon Software Launches the First Apparel Specific Production Scheduling Solution Integrated with PLM/ERP

7 July 2009

[Polygon Software](#), a leading developer of Product Lifecycle Management (PLM) and Enterprise Resource Planning (ERP) solutions for apparel businesses, announced PolyPM Production Planning, the first apparel specific production scheduling solution fully integrated with PLM and ERP. PolyPM's Production Planning helps retailers, brands and manufacturers achieve the delicate balance between time-to-market and production schedules. Working from either an enterprise, or production line view, businesses work with a Planning Board that lets them instantly see the status of thousands of production orders in a single glance. PolyPM's Planning Board includes numerous visualization tools that help users make the best scheduling decisions.

"Production scheduling is a continuing nightmare our customers have to constantly deal with. Matching labor, sourcing or raw material resources for thousands of orders at one time is a daunting task, which few businesses get right," stated Louis Wohlmuth, chief executive officer of Polygon Software. "The end result is lost opportunity and increased production costs. PolyPM's Production Planning helps businesses get control of their scheduling by letting them easily view and modify the production schedule, while managing a constantly changing environment. Businesses can easily obtain an ROI that's measured in months."

As the first apparel specific production scheduling solution fully integrated with PLM/ERP, businesses will realize a faster return on their investment through real-time material resource planning (MRP) integration, greater flexibility to adjust to changing labor, sourcing and raw material resources and customer demands. PolyPM Production Planning provides instantaneous feedback at all levels of the enterprise when changes are made, marking the first time apparel businesses can obtain the benefits of production scheduling without having to setup production planning in an application that is separate from their ERP.

Web-enabled, using Microsoft SQL database engine, PolyPM integrates all aspects of the design through production process: product development, costing, sourcing, manufacturing, inventory, sales, distribution and now production planning. By integrating business processes and people anywhere in the world, businesses use PolyPM to realize more efficient workflow, improved productivity and cost reductions. PolyPM creates an environment that lets management get decision making information when and how it needs it, to ensure faster time-to-market and exploit new business opportunities. Plus,

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PolyPM is flexible enough to change with business conditions, so management won't need a cadre of programmers to customize and restructure the system as business conditions change. Key features in PolyPM's Production Planning solution include:

- A fully customizable, color-coded Planning Board showing the relationship between required and available resources for thousands of production orders at a glance.
- A two-level interactive planning structure that enables management to develop weekly plans at the enterprise level months ahead and plan specific daily production at the line level.
- Color coded alerts for material availability in MRP, on-time and late delivery with fully customizable tool-tips that instantly show detail on any production item.
- Automatic and manual planning of production items that greatly simplifies the planning process when hundreds of new production orders are added.
- Ability to view the Planning Board according to forecast and scheduled production. Scheduled production shows over and under capacity while forecast production shows actual production given current capacity.
- Production analysis based on standardized production units or based on actual units projected to be produced.

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Siemens PLM Software Announces Femap 10.1

14 July 2009

[Siemens PLM Software](#) announced the latest release of [Femap® software](#) which provides new finite element (FE) modeling and visualization tools for increased productivity.

Femap is a PC-based CAE modeling solution and the finite element analysis (FEA) component of the [Velocity Series™ portfolio](#).

“Femap is known in the industry as a functionally rich finite element application,” said Bill McClure, vice president, Velocity Series, Siemens PLM Software. “This new release significantly enhances the usability of Femap in many areas, including visualization, modeling and analysis management, results processing, including increased program performance.”

Femap Version 10.1 enhancements add new functionality in model visualization and post processing, as well as [NX™ Nastran®](#) software integration and support, including:

- Multi-group display
- Model display and visualization
- Load/constraint set and analysis management
- Global ply composite post processing
- Improved efficiency of graphics database storage
- 2D tensor force and stress plots

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- NX Nastran analysis and job submittal management

Femap version 10.1 ships in August. For more information, visit the [Femap](#) website.

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Siemens PLM Software Unveils Enhanced Teamcenter Capabilities to Increase Productivity for Consumer Packaged Goods, and Food and Beverage Companies

14 July 2009

[Siemens PLM Software](#) announced that the latest release of its [Teamcenter® software](#), the company's flagship digital lifecycle management portfolio, includes new functionality designed to increase productivity in the consumer packaged goods (CPG) and food and beverage (F&B) industry.

The Teamcenter 8 release focuses on individual, application and IT productivity, with a wide variety of enhancements throughout the entire portfolio. CPG and F&B companies can realize higher efficiencies in four key areas of the idea-to-shelf innovation process including [packaging and artwork, global specifications, brand management, and initiative management](#).

"CPG and F&B companies face the complex challenge of delivering innovative products to market at an attractive price while balancing brand identity, social responsibility, product performance, and total cost," said Dan Staresinic, senior director, consumer products, retail and life sciences, Siemens PLM Software. "It is our desire to support these organizations with software solutions that integrate with their existing infrastructures and provide the additional capabilities that they need to win consistently at the shelf and in the home."

By using Siemens PLM Software's new Teamcenter 8 solution, project efficiencies can be seen in a number of critical areas including:

- Up to 35 percent savings in rework and waste during product design
- Up to 30 percent reduction in packaging development cost
- Up to 50 percent increase in ingredient/material reuse

Packaging and Artwork Management

Manufacturers are under increasing pressure to design more innovative packages that satisfy consumers' desire for environmentally friendly packaging, as well as fulfill retailers' demand for effective in-store displays. Teamcenter 8 offers capabilities to improve accuracy and speed of this process. The out-of-the-box integration with [NX™ software](#), Siemens PLM Software's computer-aided design (CAD) tool, enables the creation and validation of the best possible package design aligned to brand requirements. Packaging and artwork development are brought together with the rest of the idea-to-shelf development process, for increased speed to market, and with greater confidence in design and label accuracy. On-demand visualization throughout the package and artwork development process aids in collaboration and rapid revision. Additionally, a single source of packaging and artwork knowledge – including drawings, ingredient lists, claims, regulatory marks and brand assets – increases accuracy.

Global Specifications Management

Accurate specifications management is a major driver of product quality, cost and, ultimately, brand equity for today's CPG and F&B manufacturers. Specifications originate across the organization and express all those attributes necessary for making, producing and shipping a product. Teamcenter 8

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intelligently associates specifications providing full-scope product views. This dynamic association helps ensure accuracy, allows all stakeholders understand the impact of a change, populates a change through all associated specifications, and then makes it available for global, regional or factory-specific consumption. Additionally, Teamcenter 8 can help rationalize and standardize specifications to decrease complexity without sacrificing brand promise.

Brand Knowledge Management

CPG and F&B companies are focused on growing their brands profitably. Brand value, however, can just as easily be diminished with inconsistent messaging, awkward appearance or misaligned product launches. Managing competitive information, price shops, syndicated data and primary research on a single platform makes information easily searchable, resulting in better brand and category analysis, and ultimately better product decisions. Teamcenter 8 helps to quickly distribute the correct brand assets to the correct trade partners to help ensure consistent brand communication to the market.

“While CPG and F&B companies are organized around their brands, traditional PLM solutions do little to address the needs of the brand manager. Teamcenter capabilities help manage digital assets, brand knowledge like syndicated data and the association of specs by SKU. This provides more consistent brand communications, better brand and category analyses, and highly accurate population of global data synchronization networks — all activities protecting brand value and contributing to brand growth,” said Blanchard.

Initiative Management

With a finite set of available resources, a portfolio owner must evaluate multiple projects across multiple brands and multiple markets to choose those programs and projects that will deliver the most value to the company. Most CPG and F&B companies, even today, have not institutionalized a repeatable process for rolling up all the financial, resource and activity status information about the innovation portfolio into an actionable structure. Teamcenter 8 now features a budgeting function to help better manage available resources and capabilities.



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STAR-CCM+ V4.04: Now with Harmonic Balance

10 July 2009

CD-adapco announced the release of STAR-CCM+ V4.04. In the six years since its first release, STAR-CCM+ has evolved into more than just a CFD code, and is now an integrated platform for multi-disciplinary engineering simulation, including: combustion; multiphase flow; heat transfer through solids and fluids; dynamic fluid body interaction; and solid stress: all from within a single environment.

“STAR-CCM+ V4.04 includes over 100 customer requested enhancements and 220 individual development tasks,” explains VP Product Management Jean-Claude Ercolanelli. “CD-adapco’s Product Development Strategy is geared towards, and driven by, our customers. By releasing a new version every four months, we allow our customers to directly influence the development of the software, while giving them immediate access to the latest in cutting edge simulation technology.”

The Power of Automation

STAR-CCM+ V4.04’s automation capabilities provide a stress free path from geometry import to engineering simulation results. For generations of engineers who built careers and reputations on

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mastering the “blood, sweat and tears” approach to Computational Aided Engineer (manually generating computational meshes for complex industrial geometries), this can seem a little disconcerting, however automation has good news here too:

“The overriding goal of automation is to free engineers from the repetitive routine tasks associated with preparing and running simulations, allowing them to focus their time analyzing engineering results and generating a constant stream of useful information to guide the design process, ultimately resulting in more innovative, better engineered, products,” says Ercolanelli. “By adopting this philosophy not only it is possible to do more upfront engineering at a lower cost, but also allows simulation in becoming even more pervasive, being used at every stage of the engineering process, and spreading CAE benefits in all levels of industry.”

Power Session

Combined with low cost computing, CD-adapco’s Power Session licensing scheme (which allows users to exploit unlimited computer resources), the power of automation helps to free the design process from the traditional iterative design-test-build loop, allowing engineers to simultaneously investigate multiple design variants, and ultimately explore the whole design space, rather than a few selected points.

Powerful new features

Each new release of STAR-CCM+, provides a range of new pre and post processing capabilities, solver enhancements and the inclusion of additional validated physics models.

Automatic meshing: the already powerful automatic meshing capability is further enhanced with the introduction of an automated wake refinement tool, which locally increases the mesh resolution based on the shape of a body, and allows greater accuracy of external flow without time-consuming setup procedures.

Thermal Comfort Management Wizard: A new dedicated wizard for setting up occupant thermal comfort studies designed in collaboration with CD-adapco’s partners in the transportation industry. The Thermal Comfort Manager wizard accounts for human body properties to assess passenger comfort.

Harmonic Balance Method: The implementation of the revolutionary harmonic balance method for the solution of periodically repeating turbulent flows enables the study of unsteady effects in rotating machinery with computational time scales that are drastically reduced compared to traditional transient methodologies.

Eulerian Multiphase: STAR-CCM+ V4.04 also builds on its multiphase modeling including the first instance of the Eulerian multiphase model, non-newtonian VOF and improvements in the Lagrangian technique including droplet freezing and multicomponent droplet evaporation.

Real Gas Effects: The introduction of real gas effects further enhances STAR-CCM+’s pedigree in the aerospace industry allowing accurate simulation of hypersonic flows.

The STAR-CCM+ V4.04 is now available from CD-adapco’s [User Services site](#), or from your local CD-adapco office.

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Synopsys Accelerates Development of System-On-Chip Designs With Complete IP Solution for PCI Express 3.0

15 July 2009

[Synopsys, Inc.](#) announced its complete DesignWare® IP solution for PCI Express® (PCIe®) 3.0 consisting of digital controllers, PHY and verification IP. PCI Express 3.0 is the next generation of the PCI Express I/O standard, which is currently under development within the PCI Special Interest Group (PCI-SIG®) at a preliminary revision 0.5. Synopsys' high-quality DesignWare IP enables integration of the 8.0 GT/s PCI Express 3.0 interface into system-on-chips (SoCs) for high-performance enterprise computing applications. Built on the trusted DesignWare IP for PCI Express 2.0 and 1.x architecture, which has been silicon-proven in more than 250 SoC designs, the DesignWare IP for PCI Express 3.0 allows designers to incorporate the new PCI Express 3.0 features into their products with less risk and improved time to market.

For more than 15 years, Synopsys has consistently been a technology leader in PCI and PCI Express IP. Synopsys' work with leading technology companies in the PCI Express ecosystem has led to a number of key contributions to the industry, including the release of the industry's first complete PCI Express 2.0 IP solution. In addition, the DesignWare IP for PCI Express with PCI-SIG Single Root I/O Virtualization (SR-IOV) Technology was used as the gold standard in the SR-IOV lab at the 2008 Intel Developers Forum to showcase SR-IOV technology. Synopsys is continuing this technology leadership and leveraging its expertise to provide early availability of the PCI Express 3.0 IP, enabling designers to develop products in conjunction with the ongoing development of the PCI Express 3.0 specification and deliver compliant products soon after the initial public release of the specification.

"Synopsys has been an active member of the PCI-SIG since 2003, participating in the working groups and contributing to the evolution of the PCI Express specification," said Al Yanes, PCI-SIG chairman and president. "As a provider of PCI Express IP, Synopsys supports the latest version of the PCI Express 3.0 specification to help facilitate the early adoption of PCI Express 3.0 into the enterprise computing market segment."

Synopsys invests significantly to ensure the DesignWare IP for PCI Express is interoperable with other PCI Express-based products in the market. As a result, Synopsys' DesignWare IP for PCI Express is used in Agilent's Protocol Test Cards (PTC), a required Gold Test at the PCI-SIG compliance workshops. The DesignWare IP is also the first IP to pass Agilent's Jammer in-line error injection testing, which injects disruptive test scenarios to test the reliability and robustness of the PCI Express design. Using Synopsys' high-quality development methodology helps ensure the new DesignWare IP solution for PCI Express 3.0 provides the same level of interoperability and strict adherence to the PCI Express standard as the existing DesignWare IP for PCI Express solutions.

"Neterion is at the forefront of developing high-performance products for the enterprise computing market and PCI Express is a key technology for our product roadmap," said Dennis Shwed, vice president of hardware development at Neterion. "We have been very successful in incorporating the Synopsys DesignWare IP for PCI Express in our current products and are excited to see Synopsys aggressively embrace PCI Express 3.0. This is exactly what we have come to expect from an industry leader like Synopsys."

Synopsys' suite of digital controllers for PCI Express 3.0 is based on the DesignWare IP for PCI Express 2.0/1.1 architecture, allowing designers to benefit from small area and low latency to reduce costs and improve overall system throughput. The DesignWare digital controllers for PCI Express 3.0 implement

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the same interfaces as PCI Express 2.0, allowing customers to upgrade to PCI Express 3.0. For the physical layer, Synopsys is developing a PHY architecture specifically optimized for PCI Express 3.0 with high-performance margins to allow the PHY to achieve the final PCI Express 3.0 specifications in areas such as jitter, margin, and receive sensitivity. In addition, the advanced built-in diagnostic capabilities and ATE test vectors enable at-speed product testing of the DesignWare PHY IP for PCI Express 3.0 and on-chip visibility into the actual link performance. Complementing the digital controllers and PHY is the DesignWare Verification IP for PCI Express 3.0, which supports directed testing and constrained random methodologies defined in the Verification Methodology Manual (VMM) for SystemVerilog and allows designers to create complex protocol test scenarios for verifying their SoCs.

"The enterprise computing market is driving the need for the high-performance PCI Express 3.0 interface in the products our customers expect to be shipping in 2010," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "By providing designers with early access to PCI Express 3.0 IP that is based on a proven and trusted architecture, Synopsys lowers the risk of incorporating the PCI Express 3.0 interface into advanced SoCs."

For more information on DesignWare IP, visit: <http://www.synopsys.com/designware>

Availability

The DesignWare digital controllers and Verification IP for PCI Express 3.0 are available now for selected early adopters. The DesignWare PHYs for PCI Express 3.0 are currently in development for leading foundry processes. Please contact [Synopsys](#) for PHY availability.

For more information on DesignWare IP for PCI Express 3.0, visit: <http://www.synopsys.com/PCIe> or visit us at booth #13 at the PCI-SIG Developers Conference in Santa Clara, California on July 15-16, 2009.

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Vero Launch Strategist v11

10 July 2009

[Vero Software Plc](#), a leading provider of CAD/CAM/CAE solutions for the tooling industry, announced the imminent release of Machining Strategist v11. A powerful multi-axis CAM solution that generates optimum roughing and finishing CNC toolpaths for both the office and shop-floor environment. Machining Strategist is a CAD independent solution and can work with data from all major 3D modelling systems. Within the latest release, support for VISI 17 has been included and the external interfaces have been aligned to Parasolid v21 and Catia v5 r19.

Significant enhancements to toolpath calculation times will provide productivity gains for the user. Benchmark tests have produced time saving results of over 80% reduction in calculation time for combined waterline, 30% reduction for rest machining and over 15% reduction for raster clearance.

New geometry tools for model re-triangulation allow the user to set different meshing tolerances to different faces. This provides the capability of setting tighter tolerances for critical zones or smaller areas to machine without having a major impact on the rest of the model geometry. Further development with the use of 2D stock models, tool sheets and post-processing guarantees another step forward for Vero's innovative stand alone CAM solution.

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Gerard O'Driscoll, Research and Development Director concludes, "With the continual adoption of High Speed Machining (HSM) within the mould & die arena, our latest developments have been driven by customers to ensure we remain at the technological forefront of CAM development. The productivity increases will not only benefit our users, but also those who use our library components within their own CAM systems."

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Yunique Solutions Innovates PLM with New Raw Materials Development Tools

15 July 2009

Yunique Solutions Inc. (<http://www.yunique.com>) announced the addition of new materials development tools to its plmOn™ product lifecycle management (PLM) software solution. As PLM systems typically do not provide a comprehensive materials development toolset, these new plmOn capabilities will now make it possible for fashion companies to advance beyond the use of spreadsheets, e-mails, and other manual tools to the benefits of a single, integrated PLM system that allows them to manage, track, and collaborate on every aspect of both materials development and new product development. Developed in conjunction with current Yunique clients, most notably sportswear company Cutter & Buck and performance apparel maker Pearl Izumi, the new fabric, trim, color, testing and vendor collaboration capabilities are incorporated into the latest release of plmOn™ and srmOn™ supplier relationship management solutions.

Yunique's new materials management solutions promise to significantly reduce development cycles and increase productivity for companies that manage fabric and trim development; most notably for those that work with multiple material suppliers and mills, use a wide variety of materials or components, maintain sizable materials libraries, require stringent materials testing and quality control, experience lengthy lab dip and color approval processes, or simply differentiate their products through the materials they use.

Key among the new plmOn materials development capabilities are:

Raw Materials Libraries - enable brands and suppliers to quickly and "at a glance" organize, search, view, import, and collaborate on materials, trims, and colors. Users can dynamically view "where used" for each raw material, color and trim item.

Seasonality Management - manages the use of raw materials across multiple seasons and maintains a history of pricing for past seasons at the material, color, size and treatment and finish levels.

Direct Materials Sourcing - allows companies to manage all vendor and mill information and relationships, costing and sourcing of materials from single or multiple suppliers/agent/vendors, and compare all suppliers of an item on a single page.

Lap Dip and Color Approval - enables both brands and suppliers to enter and manage lab dips, track approval process status, maintain color standard information; maintains a history of dips and submissions for each color and accommodates QTX and other file attachments, notes and communication threads.

Materials Testing, QC and Compliance - provides quick access to testing, quality standards and requirements for each material; helps ensure compliance with restricted substances and CPSIA regulations at the fabric, trim, and style level.

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Material Vendor Collaboration - enables secure online access to mill/supplier/agent/vendor collaboration including messaging, history and notes on each shared material. Manages submission and notification of new, approved and dropped material requests and allows vendors to make updates directly in the same system.

Materials Development Process Tracking - tracks every step of materials development including costing, testing, lab dips, yarn dye, handlooms, knit-downs, strike-offs, and more using simple-to-use color-coded status indicators.

Reporting and Dashboards - allows users to view onscreen dashboards and print reports on everything regarding materials and vendors, where materials are used, and the status of materials development across brands and seasons.

"Many fashion companies are challenged with managing materials and product development in separate systems using different methodologies," noted Darioush Nikpour, Yunique Vice President of Business Development. "Working closely with our clients, we saw an opportunity to reduce process complexity, time and costs by bringing everything together in one place. By providing these new materials development tools in a rapid implementation program, we are significantly increasing the footprint of PLM to include the comprehensive toolset needed to manage, track, and collaborate throughout the entire materials and product development process."

About Yunique Solutions

Yunique Solutions Inc. is a New York-based developer of 100% browser-based product lifecycle management and supplier relationship management solutions that enable today's apparel, home textiles, and accessories retailers and manufacturers speed more trend-setting merchandise to market by improving collaboration across their extended supply chains.

Yunique's flagship plmOn™ and srmOn™ products comprise a comprehensive suite of industry-specific technologies and services including digital asset (image) management, tech pack management, quotation and bid management, sample and production planning and tracking, pre-concept line management, and materials management. Based on the latest Microsoft .NET platform, Yunique's software solutions leverage the internet to provide organizations with the ease of use and global connectivity needed to execute, analyze, and optimize their businesses.

For more information on Yunique Solutions and its products, phone (212) 672-0098 (New York) or visit the website at <http://www.yunique.com>.

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