

# PLM Knowledge 21

"Empowering Knowledge for 21<sup>st</sup> Engineers"

Volume 6 | Issue 1

Spring 2008

[http://www.plm.automation.siemens.com/en\\_us/about\\_us/gopl/index.shtml](http://www.plm.automation.siemens.com/en_us/about_us/gopl/index.shtml)

**SIEMENS**

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## Siemens PLM Software Invests in Japan's Manufacturing Future Through In-Kind Software Grants Valued at US\$725M

Students trained on 3D CAD technology "Receive Advanced Standing Placement"



**TOKYO AND PLANO, TX** - Siemens PLM Software, a business unit of Siemens Industry Automation Division (A&D) and a leading global provider of Product Lifecycle Management (PLM) software and services,

and partnership with Japanese schools, 36,000 undergraduate and graduate college and university students now have direct access to Siemens PLM Software's world-class PLM software.

announced an in-kind software grant with a commercial value of US\$725 million to top educational institutions and training centers in Japan to help produce a ready-made employment base for Japanese manufacturers. Siemens PLM Software made the series of grants to 393 Japanese schools over the past 5 years. As a result of its investment

"Education and training are critical factors in maintaining Japan's economic leadership in the world," said Dr. Tamotsu Murakami, professor, Design Engineering Laboratory, Department of Engineering Synthesis, the University of Tokyo. "We salute Siemens PLM Software for their work in the engineering and manufacturing fields and we know that the training our students receive is top notch. Students who receive educational training on 3D CAD systems have clear advantages. These students are given chances to be engaged in the real work and earn unsurpassed experiences during internship opportunities they may have prior to graduation and, in turn, receive advanced standing placement within companies in their career fields." Technologists and engineers at many leading companies already use the skills and knowledge they acquired through

(continue on pg 5)

# More Computer Labs for Engineering Students

Ceremonial act welcomes RWTH Aachen University to international partnership PACE

**AACHEN GERMANY** - RWTH Aachen University, was recently included as an influential member with PACE (Partners for the Advancement of Collaborative Engineering Education). PACE is a partnership of General Motors Adam Opel GmbH, EDS, Hewlett Packard, Siemens PLM Software, Sun Microsystems and their global operations for the improvement of the training of engineers and designers. With its acceptance into PACE, RWTH Aachen joins a circle of world-renowned universities such as MIT, Virginia Tech, Georgia Tech as well as other institutions in Australia, Canada, China, Mexico, South America, South Korea Sweden, and Germany . The significance of this event is indicated by the presence

of many high-ranking representatives from government and science. RWTH's Rector Univ. Prof. Dr. Burkhard Rauhut, was especially pleased to welcome Prof. Dr. Andreas Pinkwart, Deputy Prime Minister for economics and science, the state of Nordrhein-Westfalen and Minister for Innovation, Science, Research and Technology, to congratulate on behalf of the government of the state. The list of congratulators also included Holger Kimmes, Executive Director Personnel & Social Affairs Adam Opel GmbH, Martien Merks, Vice President and Managing Director of Siemens PLM Software GmbH, and Prof. Dr. R. Anderl, Vice President of Technische Universität (TU) Darmstadt. «

## \$420 Million PACE (In-Kind) Contribution is Largest in UC's History

**CINCINNATI, OH** - A \$420 million in-kind contribution from PACE represents the largest ever given the university. UC is the first (and only) educational institution in Ohio to receive such recognition, which is only presented to strategically selected academic institutions worldwide. UC was selected to receive this in-kind contribution on the strength of its internationally recognized design programs as well as its nationally ranked programs in engineering,



RWTH Aachen University - 40th PACE Installation



along with its research expertise, which places the university among the top 25 public research universities in the U.S. **UC President Nancy Zimpher** said the in-kind contribution represents an investment in future innovation in Ohio and the U.S. "Innovation is the lifeblood of success. Our growth and greatness as a university, as a state and as a nation hinges on this very important ability to continually create, improvise and discover."

According to Dave Shirk, executive vice president, Global Marketing, Siemens PLM Software: "Today's leading manufacturing and technology companies compete on the basis of time to market, product cost, quality and innovation. It's quite clear that today's best students in top programs like those at UC must have the opportunity to gain experience with technology that supports these objectives." «

**Read More:** [http://www.pacepartners.org/press\\_releases/2007-10-18.pdf](http://www.pacepartners.org/press_releases/2007-10-18.pdf)

**RWTHAACHEN UNIVERSITY**

### Mark Your Calendar

**2008 PACE Annual Forum - Detroit, MI**  
July 28 - August 2, 2008

Co-Hosted by: Wayne State University, College for Creative Studies and GM



COLLEGE  
for  
Creative  
STUDIES

WAYNE STATE  
UNIVERSITY



**PACE**

Partners for the Advancement of Collaborative Engineering Education



SIEMENS



# Wayne State University receives \$407.8M

2nd largest initial in-kind contribution in the nation and largest to a public university from PACE

**DETROIT, MI** - Engineering graduates at Wayne State University better prepared for careers in Michigan's emerging high tech and global economy thanks to Wayne State's selection as a member of Partners for the Advancement of Collaborative Engineering Education (PACE). The software

strengthens the university's role in Michigan's transition to a high-tech economy," said WSU President Irvin D. Reid. "The tools we receive from PACE will enable us to prepare the skilled engineering, manufacturing and design workforce needed in an increasingly competitive global market-



PACE Core Members from HP, Siemens, GM, EDS and Sun Microsystems  
Read More: [http://www.pacepartners.org/press\\_releases/2007-09-18.pdf](http://www.pacepartners.org/press_releases/2007-09-18.pdf)

and hardware have a commercial value of \$407.8 million, making it the largest ever in-kind contribution received in Wayne State history.

"Some software programs in the suites of design simulation and modeling tools provided by PACE have been an essential part of some Wayne State engineering courses. But the PACE contribution will allow the College of Engineering and its faculty to integrate the entire PACE toolbox throughout our curriculum and engineering classes," said Ralph Kummler, dean of Engineering. "Wayne State's participation in PACE

place. Our selection as a PACE institution greatly enhances Wayne State's ability to educate the men and women who will lead Michigan to economic prosperity."

"Siemens PLM Software is pleased to participate in bringing Wayne State University into the PACE family," said Dave Shirk, executive vice president, Global Marketing, Siemens PLM Software. "We hope our support for Wayne State's engineering curriculum will prepare its graduates even more for the real world." The software includes NX®, Teamcenter® Engineering, Teamcenter Community, and Tecnomatix®. «



## Penn Engineering Receives Multi-Million Dollar Design Technology Package from PACE

**PHILADELPHIA, PA** – The School of Engineering and Applied Science at Penn will receive an in kind hardware and software contribution totaling approximately \$70 million in commercial value from PACE. Penn's Department of Mechanical Engineering and Applied Mechanics will receive comprehensive modeling and simulation tools available to PACE companies, which will be used to support a departmental campaign to intensify the design content in the engineering curriculum and to help launch a new integrated product design program.

Projects will include research into the design of more efficient factories, hybrid vehicles and artificial heart valves.

"The mechanical engineering curriculum at Penn combines rigor in engineering analysis with creativity in engineering design and training in synthesis and integration," said Vijay Kumar, chair of the Department of Mechanical Engineering and Applied Mechanics in the School of Engineering and Applied Science at Penn. "The PACE laboratory will infuse state-of-the-art computer-aided design, modeling and analysis tools into the curriculum, making it easier for students at all levels to incorporate complex engineering models into the design process." PACE software includes NX, Teamcenter and Tecnomatix. «

**Read More:** [http://www.pacepartners.org/press\\_releases/2007-11-14.pdf](http://www.pacepartners.org/press_releases/2007-11-14.pdf)



**Learn More About PACE**  
<http://www.pacepartners.org>

# Indo-US Engineering Education Forum

## Siemens PLM Software grants \$5000 to Education Forum

**NEW DELHI, INDIA** - The information technology revolution and the liberalization of economies around the world have led to globalization of the human resource pool for technology. The US and India are at the leading edge of this change. Research, development, innovation and entrepreneurship are increasingly carried out via cross-border initiatives involving both the

changed radically as a consequence of easy access to digital and communications technologies. Although engineering educational institutions in the U.S. and India are responding to these changes, many of them are inhibited by traditional approaches to teaching and research. American Society for Engineering Education (ASEE), along with academic and business



Dr. Abdul Kalam (ex- President) surrounded by IFEES Members

academic and business communities. The need to innovate new technologies in collaboration with the users of the technologies has changed the workforce needs of the business world, while the aptitudes and talents of the future workforce have

leaders including Siemens PLM Software and others from leading U.S. and Indian universities have launched an initiative to build U.S. India collaborations in order to make engineering education and research more relevant to a global society. «

## PLM Regional Productivity Programs «

### Nationwide Education Network Launched in Korea «

**SEOUL, KOREA** - As a part of its nationwide education network, Siemens PLM Software expanded the ePLM Education Center, a certified education institution, at its new location to provide trainees with easy access and six training rooms that can accommodate more than 100 trainees at a time. The center also serves as the head office for the other training centers across the country, Taegu Vocational School (Taegu), Mold School (Pusan), DW CAE/CAM (Suwon), and Dream World Solutions (Gunpo) for a unified and professional education curriculum. "Education is the foundation to support the industry," said KR Kwon, vice president for Siemens PLM Software's Korea opera-

tions. "As a PLM industry leader, Siemens PLM Software contributes to the basic expansion of the overall industry through engineering business management. Ultimately, we hope to contribute to the cultivation of the engineering workforce to improve the employment." «  
**Read More:** [http://www.plm.automation.siemens.com/en\\_us/about\\_us/newsroom/press/press\\_release.cfm?Component=54715&ComponentTemplate=822](http://www.plm.automation.siemens.com/en_us/about_us/newsroom/press/press_release.cfm?Component=54715&ComponentTemplate=822)



## NIST uses Siemens PLM Software in the CMSDIM Implementation Project

**GAITHERSBURG, MD** - Founded in 1901, National Institute of Standards and Technology (NIST) is a non-regulatory federal agency within the US Department of Commerce. NIST's mission is to promote US innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

Manufacturers worldwide continue to face challenges due to global competition, outsourcing, and consolidation. As manufacturing becomes more global in nature, companies are increasing dependent upon the efficient and effective exchange of information with their partners. Manufacturing systems are costly to develop and operate. Simulation technology has been demonstrated to be an effective tool for improving the productivity and efficiency of manufacturing systems engineering, design, and operation.

NIST, Volvo Trucks, Chalmers University, and Siemens PLM Software collaborated in a pilot implementation to demonstrate the feasibility of using the Core Manufacturing Simulation Data (CMSD) to integrate manufacturing applications in a simulated automotive production environment.

Manufacturing data was exchanged between real world manufacturing databases from Volvo and commercial-off-the-shelf simulation software such as Siemens Plant Simulation using the CMSDIM specification. (continued on pg 5)

# GIKI Gets 100 Solid Edge Seats

## Solid Edge software adding value to Pakistan Institute

**TOPI, N.W.F.P. PAKISTAN** - Siemens PLM Software granted 100 seats of Solid Edge® software to Ghalam Ishaq Kham Institute (GIKI) of Engineering Sciences and

Professor Dr. Javed Ahmad Chaitha, Faculty of Mechanical Engineering, promoted the software provided by Siemens, saying, "the generous grant to the faculty and students



Ghalam Ishaq Kham Institute of Engineering Science and Technology is one of several Academic Institutions using Solid Edge in Pakistan

Technology. Solid Edge is state-of-the-art computer aided design (CAD) software being used by prominent industries world-wide.

The main features of this powerful 3D CAD software include scalable design and design management solutions, practical evolution from two dimensions, fast and flexible component modeling, sealable design and failure analysis, process specific applications, animated and dynamic documentation and many others.

of the Mechanical Engineering Department will properly enhance their CAD skills." "The GIKI-Siemens cooperation will go a long way to improve the computer aided design training resources in Pakistan and it will also be helpful to Siemens marketing Solid Edge in Pakistan." «



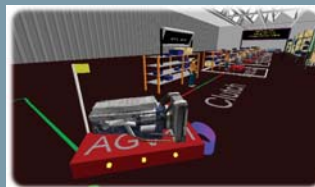
(continued from pg 4)

## NIST Standard Consortium in the CMSDIM Implementation Project

### Interface Development Methodology

- How to represent the CMSDIM information model in a DES software.
- How to build and name generic functions to easily use CMSDIM in simulation.
- How to modularize the interface to facilitate extensibility.
- How to build a unit converter to support both explicitly and implicitly defined units for values in CMSDIM.
- How to add data to CMSDIM files from within DES software.
- How to implement debug functionality and secure the interface from CMSD.

**Learn More:** Contact Swee Leong at leong@nist.gov or 301-975-5426



## Siemens PLM Software Japan Sponsors SAE Formula

The Society of Automotive Engineers of Japan (JSAE) was founded on February 1, 1947. Its aims are to advance and develop sciences and technologies in connection with automobiles, whereby the Society will contribute to the promotion of sciences and culture, the progress of industry and economy, and improvement of the quality of people's lives.

Under the leadership of Makoto Shoji, Director, Japan Marketing - Siemens PLM Software- Japan, GO PLM sponsored the 5th Annual Student Formula SAE Competition in Japan.

The event will take place in September 2008.

This sponsorship will cover advertisement and event sponsorship. «



## GO PLM Forum in Tokyo



Siemens PLM Software - Hans-Kurt Lübbertstedt (continued from pg 1)

training on Siemens PLM Software's technology in their product innovation efforts. "We recognize the need for a skilled workforce – it's a global need that we want to help manufacturers actively address," said Hans-Kurt Lübbertstedt, senior vice president and managing director, Asia Pacific, Siemens PLM Software. "We are committed to our partnership with Japan's leading engineering schools to help develop world-class engineers and technologists. We're proud to be involved in their strong academic curricula and we're glad to see so many students experiencing success following graduation."

Professor Murakami of the University of Tokyo presented this innovative change in curriculum for 2nd year Engineering students using Solid Edge 3D CAD system.

# What is FLL?

## The CCA Racing Robots tournament champions 2nd year in a row!

FIRST LEGO League (FLL) is an exciting and fun global robotics program that ignites an enthusiasm for discovery, science, and technology in kids ages 9 to 14 (16 outside of the U.S. and Canada). Each year FLL teams embark on an adventurous Challenge based on current, real-world issues. Guided by a team coach and assisted by mentors, the kids:

The FLL Program entices kids to think like scientists and engineers, provides a fun, creative, hands-on learning experience, teaches kids to experiment and overcome obstacles, builds self-esteem and confidence and inspires kids to participate in science and technology. Solid Edge is used by several FIRST Robotics teams in the competitions, for its



Enjoying their Champions Award trophy the CCA Racing Robots are (left to right): Zoe Bowman, Matvey Kitchen, Dan Wrigglesworth, Michael Szymkowski, and Sara Kim

- \* Research and solve real-world problems based on the Challenge theme
- \* Present their research and solutions
- \* Build a robot using engineering concepts

ease of use. «

Learn More: <http://www.usfirst.org>



## Youth Development Programs «

### Mount Notre Dame High Receives Grant to Fund New Software

CINCINNATI, OH - Mount Notre Dame High School Engineering teacher, Michelle Shafer recently received a grant to fund new software valued at \$435,000!

Siemens PLM Software has provided Mount Notre Dame with Solid Edge software, which is



**Mount Notre Dame High School**  
Cincinnati, Ohio

*Challenging and Empowering Young Women for the future*

being used to bring engineering students' designs to life. It allows them to see what their designs would look like if manufactured. Because it displays in 3D, it allows the student to look at different views and apply different colors and textures. "The Solid Edge software brings so

### Hardware and Software Granted to ACE-E



DAYTON, OH - The mission of the Area Coalition for Education - Excellence (ACE-E) is to achieve a world-class educational system focused on the Dayton-Springfield area public schools, to connect and coordinate regional community and military volunteer resources that contribute to the world-class education of Dayton-Springfield area public schools. In support of this Siemens PLM Software



granted Solid Edge software and several laptops. The software and laptops were used to set up CAD/CAM labs in the Springfield City School system. "We are thankful for the granted Solid Edge software support as well as the laptops," said Richard Novak ACE-E Facilitator at Siemens PLM Software. ACE-E volunteers and local industry leaders set up CAD/CAM labs around the Solid Edge software to take examples from Ohio Mathematics Achievements and use 3D CAD tools as teaching solutions. «

much to the engineering course," comments Mrs. Shafer. "It allows the students to use software that is actually being used at the university level and in the professional world. The software helps prepare students to pursue engineering in the future." The students will be using the software throughout the year on various projects. «

# NASA HUNCH Program & High School Students Using Solid Edge

HUNCH bridges the gap between high schools and NASA

**HUNTSVILLE, AL** - High School Students United with NASA to Create Hardware (HUNCH) is an innovative program that gives students the opportunity to study, design and fabricate hardware mockups for NASA. Students gain valuable hands-on design experience by designing hardware that supports NASA's Space Station payload training program. A diverse group of students from participating schools col-

laborate with NASA engineers to transform 2D flight drawings, requirements documents and materials into hardware actually used by astronaut crews and ground support personnel. Robert Zeek, Program Manager for HUNCH, explains that the program gives high school technical instructors a new and exciting curriculum to offer their students. It gives these teachers a fresh way to challenge their students to meet real world requirements. He has seen students successfully use the Siemens' PLM software Solid Edge to design 3D components that can be sent



Huntsville Center for Technology staff and students - preparing to be 21st century engineers

laborate with NASA engineers to transform 2D flight drawings, requirements documents and materials into hardware actually used by astronaut crews and ground

## Solid Edge

Solid Edge plays an integral part for the students at Huntsville Center for Technology (HCT) in designing HUNCH hardware. HCT was selected specifically by the HUNCH program for its technical capabilities using Solid Edge software. As Mike Evans, Drafting Design Technology instructor at HCT explains, "What I like about Solid Edge is that it is so user friendly the students quickly grasp the modeling concepts that they need to be productive." «

for machining. One great thing about Solid Edge is the "communication" that is facilitates between prototyping, machining and graphic arts. Students, schools and NASA all benefit from this great program, because of the technical capabilities. Currently there are 23 schools across Alabama, Texas and Montana with 600 plus students supporting 32 projects in the HUNCH program. With the opportunity to use sophisticated 3D solids modeling software such as Solid Edge and a NASA support team ready to help, the HUNCH program inspires the next generation engineers and designers. «



## Mathews-Dickey Hosts College Fair

**ST. LOUIS, MO** - The Mathews Dickey Boys' & Girls' Club hosted a college fair and invited businessmen to reach out as mentors for young men, ages 12-18, during the eighth annual "Maleness to Manhood Workshop Series" on Father's Day Weekend. About 300 youth attended a college fair of more than 20 local and national universities on June 15 at the Club. More than 150 youth and businessmen mentors gathered for the Career Day, at the Hilton St. Louis at the Ballpark, One S. Broadway. "To see the many negative influences in the world pulling against our young men is troubling, but we know there is hope as long as there are dedicated, concerned businessmen to intervene in their lives," said Mathews-Dickey VP, PR Barbara A.



Ron Gray of Siemens PLM Software with Mathews-Dickey staff and computer winner

Washington. "The Maleness to Manhood program is part of our efforts to 'Save the Children' — with a positive alternative focusing on college, career, cultural and moral development."

Each young man was encouraged to talk about his aspirations, while the mentor shared the benefit of his work and life experience. Mathews-Dickey is a non-profit agency, which provides educational, recreational and cultural programs for more than 40,000 young men and women annually. «

**Learn More:** <http://www.mathews-dickey.com/WelcomedMD.html>



# Southern Methodist University

## SMU adds Siemens, PLM Software to engineering programs

DALLAS, TX - Siemens PLM Software has granted 10 seats of NX and Solid Edge to SMU College of Engineering.

Southern Methodist University is an elite, private university creating well-rounded engineering and technology leaders. The SMU School of Engineering offers high-quality, relevant academic programs, that prepare students to be successful engi-

neers and leaders. Our graduates keep corporations competitive in fast-paced, global markets using their exceptional analytical and strategic thinking skills.

"We are developing a Rapid Manufacturing Center and this world class software will be used by graduate and undergraduate students to do design and digital simulation," said Andrew Socha, Lab Manager. «

SMU  ENGINEERING



## Academic Partnership Program «

### Sedro-Woolley High School as New Academic Partner

SEDRO-WOOLLEY, WA - Sedro-Woolley High School is committed to ensuring that all students have the opportunity, support, and encouragement to reach their potential. The educational goal is to develop responsible, flexible, self-directed, and interactive learners. It proudly offers strong academic and vocational programs. In the spirit of this mission Sedro-Woolley has just signed on as an academic partner, receiving 30 seats of NX software valued at \$16.7M(USD). NX will be used on 3D modeling projects and in advanced CAD courses.

"We have a great opportunity to be working along with Janicki Industries to expose advanced CAD students to the working world in engineering and design. NX is very beneficial in accomplishing this," said Mr. David Young, Drafting/CAD instructor Sedro-Woolley. «



### Siemens/AMIE/Mirzayan Grant Announced

ATLANTA, GA - Siemens / AMIE/ Mirzayan Grants were acknowledged in the sum of \$15,000 to Graduate Engineering students from AMIE Institutions. The projects for Siemens/ AIME/ Mirzayan Fellows will be developed in consultation with the Council of HBCU Engineering Deans, but will be broadly



Wil Cooksey & Myron Hardiman with Hulas King

focused on the instructional, curricular, application, staffing, and technological challenges and successes in the procurement, deployment, use, and maintenance of product lifecycle management (PLM) software and associated hardware. The intent is to "raise the bar" on PLM implementation and use with the goal of attaining more workplace ready engineering graduates. «

### Latin America's Growing Auto Production Benefits Siemens PLM Software

Thanks to the growing auto sector in Latin America, U.S.-based Siemens PLM Software is seeing a strong increase in the region. "The South American market has more than doubled in the last five years," says Dave Shook, senior vice president and managing director for the Americas at Siemens PLM Software. Siemens PLM Software is also increasingly entering the university segment, aiming at boosting its recognition among engineering students. «



# GO PLM Community Relations

Siemens PLM Software's Community Relations Program supports regional initiatives that bridge the digital divide and develop relationships that prepare individuals to lead productive and fulfilling lives. Siemens PLM Software teammates work with local citizens and nonprofit organizations to design technology solutions that address specific problems. We focus on greatest needs by supporting programs that are important to our customers and teammates in their communities.

## Assoc. India Development

**DALLAS, TX** - Association for India's Development (AID) is a volunteer movement



committed to promoting sustainable, equitable and just development. In solidarity with non-violent people's struggles, AID supports grassroots organizations in India and initiates efforts in various interconnected spheres such as education and social justice. A \$4000 in-kind grant was issued to AID to be used on projects of health care and livelihood alternatives as solution to social problems. «

## Focus: HOPE Scholarships

**DETROIT, MI** - Focus: HOPE is a nationally recognized civil and human rights organiza-



tion in Detroit, Michigan. Its mission is to use intelligent and practical action to fight racism, poverty and injustice. Programs include a food program for eligible mothers, children and senior citizens; education and training in information technology, manufacturing and engineering; education, and volunteer and outreach activities. A \$4000 in-kind grant was issued to their scholarship program. «

## Mercury News In Education

**SAN ANTONIO, TX** - Mercury News In Education is an exciting interactive program



that engages students in learning by providing them with daily copies of the San Jose Mercury News. "Thanks to your \$500 Silver Level Sponsorship, over 4000 newspapers will be provided to area classrooms," said Art Martinez, Newspapers In Education. The goal of NIE is to address adult illiteracy before it can begin, in childhood. «



## PKD Walk-a-Thon

**KANSAS CITY, MO** - Occurring in approximately 1 in 20,000 individuals, Polycystic



Kidney Disease affects boys and girls equally and often causes significant mortality in the first month of life. ARPKD is a rare genetic disorder. If the child survives the newborn period, the chances of survival are good. Of these children, approximately one-third will need dialysis or transplantation. Siemens Global Community Relations supported the annual walk-a-thon with a \$500 in-kind grant. «

## National MS Society

**HOUSTON, TX** - Multiple Sclerosis is thought to be an autoimmune disease that



affects the central nervous system (CNS). The CNS consists of the brain, spinal cord, and the optic nerves. Surrounding and protecting the nerve fibers is a fatty tissue called myelin, which helps fibers conduct electrical impulses. Myelin protects nerve fibers and makes their job possible. When that is destroyed various symptoms of MS occur. A \$500 in-kind grant was issued in support of the fight of this disease. «

## Missouri Univ. Students

**ROLLA, MO** - Speaking on behalf of underrepresented students at Missouri Uni-



versity of Science & Technology, Dr. Ming C. Leu was granted \$5300 to support students of the Center for Aerospace Manufacturing Technologies (CAMT), who work on various projects. The funds granted will assist students working on projects using Siemens PLM software. Included are NX, Teamcenter and Tecnomatix, as well as support board membership of CAMT. «

# Student / Faculty Resouce Center -

## Show Us Your Masterpiece

### 2008 Siemens PLM Software Student Design Contest

An iPod Touch will be awarded monthly for the best student design. Your *"work of art"* will automatically be entered in the Siemens PLM Software global calendar contest. Along with the best that industry has to show, one student's image will be featured in the 2009 global calendar.

For Details: [https://www.plm.automation.siemens.com/forms/student\\_design\\_contest.shtml](https://www.plm.automation.siemens.com/forms/student_design_contest.shtml)



January Winner  
Matthew Wright -  
Univ.of Alabama in Huntsville »



February Winner  
Joshua Coots -  
Univ.of Alabama in Huntsville »



March Winner  
Will you be next?!!



## Siemens Employee Awarded For Community Service

**COVER Awards Dinner.** COVER stands for "Corporations, Organizations & Volunteers of Excellence Recognized" Tom Rocklin received the 2007 Volunteer/Service Person of the Year Award. «



Tom Rocklin

# The GO PLM Job Opportunity Program

## Post your Resume !!!



The Siemens GO PLM Job Opportunity Program assists GO PLM Partners with pertinent Siemens software experience find employment with first-class companies in need of Siemens software experts.

## Find the talent you are looking for !!!

**As a student,** you can get started by creating an account, posting your resume and searching the active job openings available. **As an employer or academic partner of Siemens,** you too can create an account, complete a company profile and post job openings as well as search the resumes of students with Siemens PLM Software experience. «

**Learn More:** <http://plmjobs.ugs.com/>

## Win prizes @ Siemens Connection Americas 2008 – Design Competition!!

Orlando, FL - PLM World and Siemens PLM Software are sponsoring a national team competition for students interested in product design / analysis / manufacturing using NX, Solid Edge, Tecnomatix, and/or Teamcenter PLM tools. Student competition projects can be drawn from real or hypothetical case studies. A first, second, and third place winner will be chosen from all the ent-

ries. Two members from each of the finalist teams will be sponsored to attend the Siemens Connection Americas 2008 Users Conference (<http://event.plmworld.org>) to be held in Orlando, FL, June 1-6, 2008 and present their results.

**Further information:** <http://event.plm-world.org>. «

Project Report submission deadline: **April 15, 2008**

## Solid Edge 2D Drafting (for FREE)

### Teachers, Students, Educators!!

We know your funds are limited. Solid Edge 2D drafting demonstrates Siemens PLM Software's commitment to helping schools and students save money. If you are using 2D drafting, why pay for it?

To get your FREE copy of Solid Edge:

**Visit:** [http://www.plm.automation.siemens.com/en\\_us/products/velocity/solidedge/free2d/index.shtml](http://www.plm.automation.siemens.com/en_us/products/velocity/solidedge/free2d/index.shtml)

## Solid Edge Free Offer

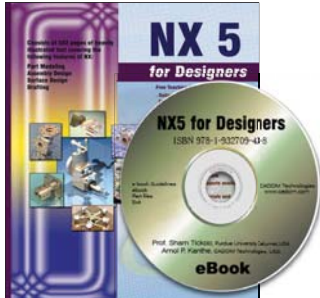
Dare to compare with Solid Edge with a free 30-day evaluation copy. Solid Edge is the CAD system of choice for mechanical design professionals seeking a competitive edge. The benefits include:

- \* reduced work
- \* shortened time-to-market

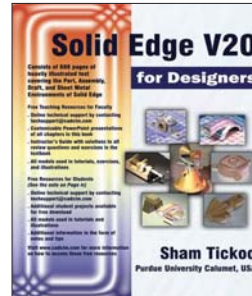
**Visit:** [http://www.plm.automation.siemens.com/en\\_us/products/velocity/solidedge/free\\_trial/index.shtml](http://www.plm.automation.siemens.com/en_us/products/velocity/solidedge/free_trial/index.shtml)



## Textbooks & Courseware



**NX5 for Designers**  
**E\_Book**  
 By: Dr. Sham Tickoo  
 ISBN: 978-1-932709-43-8  
 Learn More: <http://www.cadci-mtech.com>



**Solid Edge V20 for Designers**  
 By: Dr. Sham Tickoo  
 ISBN: 978-1-932709-48-3  
 Learn More: <http://www.cadci-mtech.com>



**Proiectare asistată folosind Solid Edge**  
 By: Prof. Univ. Dr. Ing. Gavril Muscă  
 Learn More: <http://www.adacomputers.ro/noutati/proiectare-asistata-cu-solidedge.html>



**Praxisbeispiele mit Solid Edge**  
 By: Christian Urnau  
 ISBN: 978-3-8085-1900-4  
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### Description:

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