

SCHOOL OF SUSTAINABLE ENGINEERING AND THE BUILT ENVIRONMENT

Del E. Webb School of Construction

INTERSECTIONS

Desert Doghouse: Working to build a bridge between industry, community and education

The Del E. Webb School of Construction (DEWSC), along with the ASU chapter of Emerging Green Builders, developed a design/construction competition entitled Desert Doghouse: an educational challenge to Arizona high school students. The challenge was to design and construct a doghouse utilizing the most sustainable and environmentally conscious methods, with the most sustainable entry exhibited at Greenbuild 2009.

This student competition aligned with the Arizona Department of Education's Student Education and Career Action Plan to help develop the student's academic and career goals, and also aligned with the design imperatives guiding ASU to become the New American University.



Dr. Edd Gibson, DEWSC, presents Metro Tech High School with a scholarship at Greenbuild 2009.



Desert Doghouse was a unique way to bring industry, ASU, and the community together to improve our society, by allowing students to participate in an event not normally available to them, and providing an opportunity to become active in improving our planet. Industry interaction with ASU and the high schools brought measurable results to the community through Greenbuild and will provide additional recruiting efforts to bring the best and brightest students to

ASU and the DEWSC.

Congratulations to **Dr. Allan Chasey** and his team on receiving the **ASU President's Medal for Social Embeddedness**, which recognizes ASU faculty and staff that have demonstrated excellence in embedding ASU in the social and cultural fabric of our surrounding communities.



Graduate student's passion lies in his volunteer work

Rick Prigge, a native of Arizona, received his undergraduate degree from ASU in 2002 in Construction. Rick has worked as a Project Manager for Kitchell Contractors in their custom home division and has been in the industry for over 10 years, including running his own business (Prigge Custom Homes) for the last 3.5 years.

Rick is pursuing his master's degree with the DEWSC and plans on graduating in summer 2010.

Rick's master's research is based on developing a leadership manual to aide volunteer leaders in their projects by researching ways to increase satisfaction and volunteer return rates using leadership techniques. His hope is to develop something that can be universally applicable and help all volunteers with their projects ranging from small (local projects) to global disasters (Hurricane Katrina, Haiti earthquake).



Rick has led three trips with groups ranging from 10-20 people each to Guyamas, Mexico to work with the local youth and help with varying construction projects on multiple buildings.

One of Rick's passions is his volunteer work. Locally, he volunteers his time and efforts to Habitat for Humanity, local food banks, shelters, elderly/assisted living homes, community service projects, and annual Christmas luncheons and turkey dinners.

His volunteerism does not stop at the state/country line. Annually for the past four years, Rick has taken college students to Mexico, Tanzania, Rwanda, San Salvador, El Salvador and Suva, Figi to work on local building projects including houses, schools, youth centers and an orphanage.

Students compete in construction competition

The Associated School of Construction, a professional association for the development and advancement of construction education, was created to ensure the sharing of ideas that promote excellence in curricula, teaching, research, and service. This student competition, held in Reno, allows each university to gauge its own curriculum as well as monitor its own training and student development path. The categories in the competition are: Graduate, Mechanical, Building Information Modeling, Marine Construction, Leadership in Energy and Environmental Design, Preconstruction Services, Determining Project Risk, and Electrical. Each team may have up to six members from their undergraduate population.

Thanks to the generosity of companies such as Sundt, Kiewit, Okland, Rummel, Turner, AGC, Gilbane, Concord, Parsons Electric, Weitz, PCL, Pulice and PENTA we were able to send eight teams to this year's competition - 48 students and two faculty members.

This year, the teams did an outstanding job representing DEWSC and ASU. **The Design Build Team** placed third in the competition plus we had four groups finish in the top five of their respective categories. Approximately 40 universities participated in this year's competition.

DEWSC students' success in this and similar competitions is attributed to the outstanding teaching and leadership within the DEWSC; faculty associates that are active in industry; the Industry Advisory Council; and generous donations from our industry friends.



Front row: (L to R) Bret Burnham, Jessica Haycock, Cynthia Botello
Back row: (L to R) Nico Rochwalik, Josh Kircokof, Will Dietz

Harris wins American Concrete Institute Fellowship Award



Jennifer Harris, a senior in the DEWSC with a concentration in Concrete Industry Management, is the recipient of this year's **American Concrete Institute's Baker Foundation Fellowship**.

This fellowship is given annually to a student at the junior or senior level with a desire to enter into a career in the construction industry. Award winners must be studying civil engineering, structural engineering, or concrete industry management and must complete an internship prior to the awarding period. This fellowship will fund Jennifer's trips to

the American Concrete Institute's (ACI) conventions in New Orleans and Chicago. Jennifer plans to enter graduate school in August 2010 to pursue a master's degree in construction management. Her interests lie in sustainability.

Fellowship recipients receive a \$7,000 educational stipend for tuition, residence, books, materials, appropriate certificates, recognition, and publicity for their award, paid travel expenses and attendance fees to two ACI conventions. They are also assigned to an industry mentor. Most importantly, the student is awarded a summer internship where he or she can receive hands-on training and put to use their classroom knowledge in real world situations.

Greetings from DEWSC

Our newsletter this spring is focused on our students. Having arrived last August, I have been continually amazed at the breadth and depth of activities, service projects, and awards involving our young construction managers. This newsletter highlights but a few of many. We are blessed with energetic, intelligent, and skilled individuals who will leave a positive mark on our industry in the future. This past year DEWSC graduated 76 BS and 22 MS for a total of 98 students. Thanks for your continued support of the program and many of the activities described herein. Until the next time, take care and best of luck in this economy!



G. Edward Gibson, Jr., Ph.D., P.E.
DEWSC Programs Chair

At the annual DEWSC Celebration of Excellence held April 7 at Old Main, ASU Tempe campus, construction scholarships were awarded to 49 recipients for a total of \$141,675.

Students attend Home Builders Competition

During the first week of spring 2010 semester classes, five DEWSC students made their way to Las Vegas. There was no relaxation or gambling planned, in fact there was only the stress of missing the first week of school in the new semester. This was the **NAHB Student Chapter Residential Construction Management Competition**, and one of the highpoints of the International Homebuilders Show.

The competition gave students the opportunity to apply skills learned in the classroom to a real construction

case study by completing and submitting a proposal to management. Proposals were submitted to construction company executives who judged the submissions.

At the convention, students presented and defended their proposals in front of an industry audience. Our very young team of five, including two freshmen, did rather well for their first experience together. They placed in the top half of the 39 team event and improved the ASU score by forty percent over the previous year.



The five students representing the DEWSC were (L to R) Jorge Martinez, Kyle Snow, Cynthia Botello, Jamie Nesterenko, and Pablo Sandoval.



ARIZONA STATE UNIVERSITY
IRA A. FULTON SCHOOLS OF ENGINEERING
SCHOOL OF SUSTAINABLE ENGINEERING AND THE BUILT ENVIRONMENT
DEL E. WEBB SCHOOL OF CONSTRUCTION
PO Box 870204
TEMPE, AZ 85287-0204
HTTP://ENGINEERING.ASU.EDU/SEBE
PHONE: (480) 965-3589

PAUL WESTERHOFF, DIRECTOR
G. EDWARD GIBSON, JR., DEWSC PROGRAMS CHAIR
EDITOR: JUDY REEDY
ART DIRECTOR: STUDIO 18

NON-PROFIT
ORG.
U.S. POSTAGE
PAID
ARIZONA STATE
UNIVERSITY

Students attend 2010 World of Concrete Convention



Students Spencer Miller and Jennifer Harris with Associate Professor Jim Ernzen (center) at World of Concrete 2010.

With financial support from the Southwest Patrons Group, the Del E. Webb School of Construction sent nine undergraduate students from the Concrete Industry Management (CIM) program to the 2010 World of Concrete Convention held February 2-5, 2010 in Las Vegas.

The students, **Colton Atwell, Alexander Bertheau, Greg Carbajal, Ting Ting Chen, Jennifer Harris, Ioan Ilca, Jason Leos, Spencer Miller, and Sawyer Zuber**, were given the opportunity to view new equipment being used in the field as well as network with different industry members attending the convention.

Faculty members **James Ernzen** and **Edwin Weaver** attended seminars and presentations that will allow them to

bring back to the classroom current and real time practices and procedures to maintain the high level of graduates from the CIM program. These interactions keep the CIM curriculum fresh and up-to-date.

The students helped staff the National Concrete Industry Management booth. This provided an opportunity to talk with event attendees who were interested in learning more about the CIM program. They were also involved with promoting and staffing the Silent and Live CIM Auctions which raise funds to support the CIM programs across the country.

The World of Concrete is the industry's only annual international event dedicated to commercial concrete and masonry construction industries. This event features indoor and outdoor exhibits with the industry's leading suppliers, showcasing innovative products and technologies, exciting demonstrations, and industry competitions. The World of Concrete attracts approximately 1,600 exhibitors and occupies more than 800,000 square feet of indoor and outdoor exhibit space.

