The Texas State Concrete Industry Management Program hosted the National Steering Committee accreditation site visit and board meeting June 5 - 7, 2013. The CIM program at Texas State is entering its fifth year and has grown to 52 majors. The inaugural graduating class occurred just over two years ago, in December 2011. The CIM program at Texas State is one of only four in the nation, the other three residing at Middle Tennessee State University (MTSU), California State University at Chico, and the New Jersey Institute of Technology. Being the newest of these four programs, the CIM program at Texas State was the last to apply for and seek accreditation. The accreditation team visited the Texas State campus to review the curriculum, and to interview program students, faculty, members of the concrete industry and university administrators. The site team was very impressed with the CIM program. At the October 15, 2013, National Steering Committee (NSC) board meeting that took place at Middle Tennessee State University, the board unanimously voted to confer accreditation status to the Texas State University CIM program. This is a remarkable accomplishment, considering that the program was started in 2009.

As of fall 2013, Texas State University is an American Institute of Constructors (AIC) Testing Center. As a result of the Construction Science and Management program becoming an American Council for Construction Education (ACCE) accredited program during spring 2013, application was made to become an AIC testing site. The application was approved in summer 2013. Both the Associate Constructor (AC) exam and the Certified Professional Constructor (CPC) exam will be offered during fall and spring semesters to our students and construction professionals in the region.

Our Construction Science and Management majors are eligible to take the 300-question, eight-hour exam, once they are within 12 months from graduation. The cost of the exam is $165 and students must receive a 70% or higher score to pass. During the spring 2014 semester, students will be reimbursed for the cost of the exam, if they pass. The exam covers topical areas in: Construction Methods; Materials and Equipment; Bidding and Estimating; Budgeting, Costs and Cost Control; Planning, Scheduling and Control; Construction Safety; Construction Geometrics and Project Administration. Currently, students are strongly encouraged to take the AC exam, but we are considering making it a graduation requirement. The AC and CPC exams are similar in importance to construction professionals, as professional certification exams are to registered architects and professional engineers.

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MEMBER THE TEXAS STATE UNIVERSITY SYSTEM

Texas State University is a tobacco-free campus.
ACI San Antonio Chapter Scholarships

The ACI San Antonio chapter awarded three $1,500 scholarships in 2013 to Texas State CIM students Cody Houser, Santos Verdin, and Amy Ramos. The three students and Dr. Jiong Hu attended the chapter’s annual luncheon and were presented with the scholarships on December 6, 2013.

ACI Central Texas Chapter Scholarships

The ACI - Central Texas chapter awarded two $2,000 scholarships in 2013 to CIM students Santos Verdin (left), and Paul Skogen (right). Two other scholarships were awarded to graduate students from the University of Texas at Austin. Santos Verdin and Dr. Jiong Hu attended the chapter’s annual luncheon and accepted the scholarships on December 12, 2013.

Texas State Named ACI Excellent University for 2013

Texas State ACI Student Chapter has just been named an ACI Excellent University for 2013. Texas State is one of the 16 universities that received this designation and one of very few to receive the award each year since the Concrete Industry Management Program was established in 2010.

CALLING ALL ALUMNI

The Department of Engineering Technology has created an alumni database. We have also established a group page on LinkedIn, where former students can network with one another. We need your help in updating our database. Please contact Sylvia Salinas at s_s200@txstate.edu to receive the alumni survey. She will send you a link to the web address so that you can become LinkedIn! Or, go to LinkedIn and use the group name: Texas State University Department of Engineering Technology to get connected!

Department of Engineering Technology
601 University Drive,
San Marcos, TX 78666

Office Phone: 512.245.2137
Fax: 512.245.3052
Room: RFM 2240
Construction Advisory Board to Expand Membership

The Construction Advisory Board (CAB) for the Construction Science and Management program was established in 2007 and is comprised of 12 member companies that are actively involved in the development of the program and hiring of students for internships and entry level opportunities upon graduation.

The CAB supports the program in a variety of ways: offering periodic review of the program curriculum, providing guest lecturers and speakers, sponsoring student competitions, conducting jobsite field trips, supporting faculty research and providing regular guidance and input to the department. We are actively pursuing other avenues of integrating the students and faculty with industry to promote and develop the program.

The CAB played an active role in the program’s successful pursuit of ACCE accreditation, through its involvement in reviewing and giving input to the self study submitted to ACCE, as well as accompanying the ACCE visiting team during its initial accreditation visit to Texas State last fall. A fundamental element in the achievement and maintenance of ACCE accreditation is the involvement and contributions of a strong advisory board or council made up of industry members.

The CAB wants to expand its membership to include a larger group of companies that have an interest in the program, and offer involvement to those interested in working with the program to further develop the curriculum, scholarship opportunities, endowments, membership and the overall profile of the program.

We invite you to join us by contacting Sylvia Salinas, Department of Engineering Technology administrative assistant II, at ssalinas@txstate.edu or by filling out this form and mailing it to the Department of Engineering Technology, 601 University Drive, San Marcos, TX 78666 or by calling 512.245.2137.

Contact Name: ______________________________________
Company: __________________________________________
Construction emphasis: ________________________________
Address: ____________________________________________
___________________________________________________
Phone: _____________________________________________
E-mail: _____________________________________________

Texas State Receives Donation for Home Builders Association Endowment Fund

Dr. Winek, construction program coordinator, accepts a donation from the Hays County Home Builders Association (HBA) to be added to the HBA Endowment. The endowment will allow Texas State to award annual scholarships to students majoring in Construction Science and Management. Hays County HBA has long been involved with the Construction Management Program, but the recent American Council for Construction Education (ACCE) accreditation of the program has encouraged additional financial support for the program. Dr. Winek has long been working on achieving this endowment status. He proudly states, “A combination of growth and major technological shifts in the construction industry has placed a high demand on well-educated and hardworking professionals.” Such funding will directly assist Construction Science and Management students in obtaining a construction degree, and also contribute to building a more efficient and effective industry.

Flour Corporation Donates $10,000 to the Construction Science and Management Program

Flour Corporation donated $10,000 to the Construction Science and Management (CSM) Program during the spring 2014 semester. The money is given to select, ACCE Accredited Construction Programs across the country to help advance their program. The CSM Program at Texas State has committed to using $5000 of the funds for scholarships, $2,500 for faculty development, $1,500 for student travel to various competitions and $1,000 to help offset the cost associated with proctoring the fall and spring American Institute of Constructors’ (AIC), Associate Constructor (AC) and Certified Professional Constructor (CPC) exams, which are given in the department. Mr. David Stayshich, corporate construction engineering manager at Fluor and a member of our Construction Advisory Board, was instrumental in obtaining the funds for the CSM Program.
Establishment of the Metal Casting Industrial Advisory Board (MIAB)

In order to continually improve the Manufacturing and Industrial Engineering and Technology programs and to meet the ever-changing needs of industry, we are pleased to announce the formation of a new Metal Casting Industrial Advisory Board (MIAB). The ultimate goal of the Engineering Technology Department is to educate engineers and technologists to meet the specific needs of local industries. In addition, the department strives to enhance and expand the knowledge in the various fields of engineering and technology by conducting research and scholarly activity, as well as being of service to the public and to the profession by sharing the expertise of its personnel. One of the most important of those industries that the Engineering Technology program serves is the metal casting industry and their vendors and suppliers. The metals manufacturing sector and metalcasting technology industries hire a wide spectrum of engineering and technology specializations including manufacturing, industrial, electrical, mechanical, and materials science and engineering majors. In today’s challenging economic environment, the sustainability of manufacturing in the U.S. depends on new advances in technology and cultivating new talent, especially in the areas of materials science and metallurgy.

The newly formed Metal Casting Industrial Advisory Board will function as the communication channel between Texas State and leading metals manufacturers, their vendors, and suppliers. By participating in this activity, industry will be able to provide timely input into the education of its engineers, as well as have available an engineering workforce well educated with necessary skills needed for a fast-changing industrial environment. The department will receive feedback from industry on the effectiveness of its academic programs as well as receive input regarding changes in the curriculum needed to keep pace with the changing needs of industry. In addition, the MIAB will assist in the development of scholarships, student recruitment for summer internships, research projects, and permanent employment as well as provide for faculty development grants and in-kind donations.

The inaugural meeting of the MIAB was held on January 23, 2014, at Texas State and represents a wide spectrum of metalcasting industries and their suppliers. Since its inception in January, the MIAB has already benefited the department by providing in-kind donations to our program, as well as, providing many new internship and scholarship opportunities for our students. Students that are interested in learning more about exciting engineering and technological careers in the area of metals manufacturing and metalcasting research and technology are encouraged to contact Dr. Laura Bartlett of the Engineering Technology Department.

Texas State Foundry Pours Awards for TACA

In January, the Texas State Foundry poured speaker awards for the Texas Aggregates and Concrete Association, TACA. The Texas State Foundry produces awards and artwork from concept to finished product for a number of different university, state, and local service organizations. The TACA award pattern was made in the foundry lab using a photopolymer plate. A light-sensitive polymer layer forms the pattern impression on a plastic backing sheet and it hardens where it is exposed to UV light as shown below. The soft parts of the remaining polymer are washed away and the plate is dried. The plate is then glued to a wooden molding board to make the final pattern.

The brass awards were cast by Ted Cera and Shane Arabie, head of Lab Technical Services, using the phenolic resin hardened sand molds. Phenolic resin hardened sand molds (no-bake molds) allow for excellent dimensional tolerances, good detail, and a good surface finish. Shane and Ted are shown below casting the awards.

![Producing the photopolymer pattern.](image)

Shane Arabie and Ted Cera pouring brass TACA awards using the no-bake sand molding method.
ASME 2013 International Mechanical Engineering Congress and Exposition

The Nano and Microsystems Group attended the ASME 2013 International Mechanical Engineering Congress and Exposition (IMECE) in San Diego, Calif. IMECE is one of the most important global conferences that focus on actual technical challenges, research updates, and breakthrough innovations. The conference attracts engineers, scientists, academics, and technologists of all disciplines giving the opportunity for all the attendees to show their work to a broad audience. IMECE gave attendees the opportunity to meet and discuss research with many professors and professionals from various industries and universities.

After presenting his research at IMECE, Glenn Conner further expanded his paper into a master’s thesis. Conner’s thesis offered further details on the design, experiments, and results of the alignment system he developed. After successfully writing and defending his thesis, Conner completed his degree requirements and graduated with a master of science in Industrial Technology. In addition, William Forfang completed his undergraduate course work and received his bachelor of science in Electrical Engineering. William had served as a research assistant where he investigated the fabrication and characterization of micro-electronic devices. The group recently added new members: Michael Daniel, Ramsey Doany, Armel Hager, Praneeth Kumar, Duy Mai and Duy Nguyen.

Mr. Glenn Conner, Mr. Juan A. Gomez, Dr. Byoung Hee You, Dr. Daniel Park (Louisiana State University), and Dr. Du-Hwan Chun (Yeungnam University – South Korea) at IMECE 2013 in San Diego, Calif.

Glenn Conner and Juan A. Gomez were invited to present their research on the fabrication of micro devices. Glenn Conner presented his paper titled “Mold Alignment System for Double-Sided Micro Hot Embossing Using Kinematic Constraints.” Glenn Conner developed a cost effective alignment and positioning system for double-sided hot embossing using kinematic principles. Results showed the alignment system can improve the locating and positioning of the complementary mold insert in relation to the top in a repeatable and cost effective manner. Juan A. Gomez presented a “Finite Element Analysis for Reliable Replication of Alignment Structures in Micro Hot Embossing”. The objective of this study was to simulate the mold filling of the hot embossing process to understand the behavior of a polymer substrate while filling a micro-cavity. The FEM prediction tool can be used to select the adequate process parameters for a higher replication accuracy of polymer microstructures.

Hayden Beauchamp’s master’s thesis titled “Integer Programming for Discrete Optimization of Agile Supply Chain Configuration” was presented in the poster presentation section of INFORMS conference in Minneapolis, Minn. INFORMS is the most renowned conference internationally in the fields of Operations Research (OR) and Management Sciences. In this research, Hayden developed an optimization model for supplier selection and order allocation problem in the context of Digital Manufacturing Market (DMM). An article summarizing the finding of this research is submitted to the International Journal of Information Systems and Supply Chain Management (IJISSCM). Drs. Ameri and Novoa advised Hayden in this project. Hayden was hired by the Energy Solutions in Richland, Wash. in July 2013 as operations research specialist. As part of Washington River Protection Solutions’ Mission Analysis Engineering team, Hayden uses stochastic simulation to help plan the next 40 years of cleanup work at the site.
Precast/Prestressed Concrete Institute (PCI) National Convention

Five CIM students along with one MST student and faculty member Dr. Yoo Jae Kim attended the Precast/Prestressed Concrete Institute (PCI) National Convention in Grapevine, Texas, on September 23 and 24, 2013.

Students attended educational sessions on topics related to the precast/prestressed concrete industry. Some of those topics included public/private partnerships, precast market forecast, future research ideas, 3D modeling and innovative uses, markets and materials. There were also networking opportunities for students in the exhibit hall, where more than 75 companies were conducting information sessions and demonstrations.

Attendees were Marcus Flores, Alfredo Gonzales, Justin Dickey, Paul Skogen, James McNeill, Santos Verdin and Dr. Kim.

“Attending a conference like PCI gives students networking and educational opportunities they would otherwise not get,” Gonzales said.

According to their website, PCI is the technical institute for the precast concrete structures industry. PCI develops, maintains, and disseminates the knowledge necessary for designing, fabricating, and constructing precast concrete structures.

World of Concrete 2014

World of Concrete is the annual international event committed and led by the concrete and masonry construction industry suppliers. Over 1,300 companies from more than 100 countries attended the event. The event was held at the Las Vegas Convention Center in Las Vegas, Nev. from January 20-24, 2014.

This year, the Department of Engineering Technology at Texas State University sent three faculty: Dr. Vedaraman SriRaman, Dr. Anthony Torres, and Dr. Yoo Jae Kim, along with eight Concrete Industry Management students including Geoffrey LaButis, Andrew Mouser, William Grebe, Christopher Livingston, Zachrey Garcia, James Del Frate, Santos Verdin, and Alfredo Gonzalez to attend CIM national events and take the seminars.

Texas State Students Attend the Annual Foundry Education Foundation College Industry Conference

Texas State is proud of its long standing tradition of being one of only 18 Foundry Education Foundation accredited Metal Casting Programs in the United States. Each year, students from FEF accredited colleges and universities participate in the FEF College Industry Conference for a one-of-a-kind networking opportunity with employers and a chance to win over $40,000 in scholarships. Over 300 industry executives, student delegates, key professors and university administrators were in attendance this past fall at the 2013 FEF College Industry Conference, held at the Westin on Michigan Avenue in the heart of Chicago’s Magnificent Mile.

Each year Texas State selects qualified student delegates that have a demonstrated interest in pursuing a technological or engineering career in the Metalcasting Industry to attend CIC. This year three engineering students, Abel Ardis, Bryan Avila, and Sabra Serino, were selected to attend. FEF Key Professor Dr. Vedaraman SriRaman and incumbent FEF Key Professor Dr. Laura Bartlett also attended the conference. Events began on Thursday, November 21, 2013, with the Career Information Session, which gave 85 student delegates the opportunity to interact with representatives of 44 companies in the metal casting industry. The information session and social time before and after the event is structured to facilitate the sharing of job opportunities and to connect students to potential employers in the industry. During the general session on Friday, corporate and technical speakers shared their vast experiences in the metal casting industry. As part of the luncheon this year, the Student Delegate scholarships were presented to 21 students with total award of $46,000. The conference was also an excellent opportunity to network with students from other schools and to have a lot of fun!
WISE Conference Participation

CIM student, Amy Ramos, presented research at the Texas State University’s Women in Science and Engineering (WISE) Conference held November 21-22, 2013. Amy presented her poster on the current research topic: Correlation of Performance Properties to the Cementitious Paste Thickness of Pervious. She is conducting research on the topic with Blake Meuth, under the guidance of Dr. Anthony Torres.

The WISE Conference provides opportunities for young women studying for careers in the science and engineering fields to gain insights into successful engineering, science and career practices from experienced professionals and educators.
COMMUNITY OUTREACH

ACI Student Pour 2014

On January 31, 2014 ACI students participated in a residential concrete pour at Marvin Bragewitz home in Wimberley, Texas. This kind of community outreach is typical of the Texas State University ACI Student Chapter. These students are giving back to the community, while gaining some real-world experience. Thirty cubic yards of concrete driveway was poured with fiber reinforced concrete.

Students that participated included: Amy Ramos, Blake Meuth, Santos Verdin, Jace McNeil, Brian Ledsinger, Alex Burkhart, Justin Dickey, and Cole Pilgrim.

CSA Continues Ramp Builds

CSA continues to build ramps for disabled low-income families. CSA contributed to five ramp builds with Texas Ramps in the fall, and will complete three ramps in spring. CSA looks forward to continuing this tradition with an ultimate goal to build one ramp per month.

San Marcos Montessori School Student Visit

On November 8, 2013, approximately 15 students (ages 4 to 6) from San Marcos Montessori School visited our concrete laboratory. Dr. Jiong Hu hosted the tour and a concrete activity for the students. CIM majors Eric Adams and Amy Ramos assisted with the event.
FIELD TRIPS

CSA Students Tour Co-generation Power and Chiller Plant

The Construction Student Association attended a plant tour of the Co-generation Power and Chiller Plant on the Texas State University campus on Friday, November 22, 2013.

ACI Students at Heldenfels

The Texas State ACI Student Chapter tours the Heldenfels pre-stressed concrete facilities in San Marcos, on February 19, 2014. Students learned about the lean manufacturing process and TxDOT regulations. They also viewed precast concrete components manufactured for Baylor Stadium and Kyle Field.

Dr. Kim’s Students Tour Boral Material Lab

Texas State students in Dr. Kim’s senior lab class tour Boral Material Lab on September 5, 2013 in San Antonio.

ACI Students Tour Texas Lehigh Cement Plant

On January 15, 2014 ACI Student Chapter members went on a Texas Lehigh Cement Plant Tour in Buda, Texas. Students who participated include: Amy Ramos, Blake Meuth, Brian Ledsinger, Zachery Garza, Alex Burkhart, Jesse Lain, Justin Sullivan, Josh Sell, and James Del Frate.
The Texas Chapter of the American Foundry Society San Marcos Meeting and Dinner

On March 7, 2014, the Texas Chapter of the American Foundry Society held a meeting and awards dinner at the Embassy Suites and Conference center here in San Marcos. Several members of the faculty and staff of the Engineering and Engineering Technology Departments attended the event along with industry representatives and AFS student chapter members. Dr. Seidman, dean of the College of Science and Engineering, gave the keynote speech titled “The Importance of Science and Engineering at Texas State.” Dr. Seidman received an AFS Speaker Award for his outstanding address from Mr. Jerry Nagel, chairman of the Texas Chapter of AFS. Several other awards were also presented at the meeting.

In February 2009 The American Foundry Society/Texas Chapter named its Memorial Award the “Harley Scoggins Memorial Award” to honor Harley Scoggins’ many years of dedication to the American Foundry Society. This year, Dr. Batey, chair of Engineering Technology, presented the Harley Scoggins Memorial Award to Martin Foundry, Division of Martin Sprocket and Gear.

The meeting also served as a networking opportunity for several Texas State student members of AFS who are looking for internships and full-time job opportunities. Several of the students in attendance received scholarships. Mr. Eric Meyers, president of Oil City Ironworks and Texas FEF director, presented a scholarship to Manufacturing Engineering student Sabra Serino. FEF Scholarship in the amount of $2,000 to Sabra Serino. Sabra is a Manufacturing Engineering student. She also works as an undergraduate research assistant for the Engineering Technology Department and is currently completing a cast steel research project under the supervision of FEF Key Professor, Dr. Laura Bartlett. AFS Presidential Scholarship Awards were also presented at the meeting. Engineering students Bryan Avila and Abel Ardis received $625 scholarships. A scholarship in the amount of $750 was presented to AFS student chapter president, Michael Grams. Michael is a graduate research assistant in the Engineering Technology Department and is completing his thesis work titled “Understanding the Role of Composition and Heat Treatment on the Machinability of Lightweight High Manganese and Aluminum Steels.”

Mr. Eric Meyers (far right), president of Oil City Ironworks, Texas AFS vice chair, and Texas FEF director presented a scholarship to Manufacturing Engineering student Sabra Serino.

AFS Presidential Scholarships were presented to Abel Ardis (second from the right) and Manufacturing Engineering student Bryan Avila (not pictured).

The Texas State University AFS student chapter would like to thank the Texas Chapter of AFS and FEF for their continuous support of the Foundry Program at Texas State and their generous scholarship opportunities they have provided to our students.

2013/2014 OFFICERS:

President: Michael Grams
Vice president: Abel Ardis
Secretary: Sabra Serino
American Concrete Institute
ACI Student Chapter

2013/2014 OFFICERS:
President: Justin Dickey
Vice President: Alex LaButis
Treasurer: James McNeill
Secretary: Santos Verdin
Appointments: Paul Skogen

Inaugural Sporting Clay Tournament – To Be Held August 29, 2014

The Texas State University ACI Student Chapter is proud to announce its first-ever large-scale fundraising effort, a sporting clay tournament, scheduled for Friday, August 29 at the National Shooting Complex in San Antonio.

The goal of this event is to raise operating funds for the chapter so that it may continue to provide networking opportunities, scholarships, community outreach and learning opportunities for its members. The tournament aims to bring current students, alumni, and industry professionals together to collaborate and achieve these goals.

“The Texas State University ACI Student Chapter does not have a strong tradition of fundraising,” said chapter president Justin Dickey. “With this event we hope to set in place a mechanism to raise funds that will be continued for years to come.”

For registration, sponsorship opportunities, or additional information, please contact Justin Dickey at jd1008@txstate.edu.

Find us on facebook: www.facebook.com/txstate.aci LinkedIn: http://www.linkedin.com/groups/Texas-State-University-American-Concrete-Twitter: @txstate_aci Instagram: txstateaci

Texas State Places in Pervious Concrete Cylinder Competition

Dr. Hu, faculty advisor, and four students represented Texas State at the 2013 ACI Convention in Phoenix, Ariz. October 19-22, 2013. Students included: Amy Ramos, James McNeill, Cody Houser, and Marcus Flores. The students competed in the Pervious Concrete Cylinder Competition and placed sixth overall out of 32 teams, first out of universities with a CIM program, second out of all U.S. universities, second in permeability and third in written report.

American Concrete Institute
Always advancing

This is the first major update of the logo in 50 years. The Institute’s new logo portrays ACI as a modern, professional and relevant organization. The logo and new tagline, “Always advancing,” better reflects ACI’s energy, global reach, diversity and pursuit of continuous concrete advancement.
ASME Student Chapter Activities

The American Society of Mechanical Engineers (ASME) student chapter was active during fall 2013, bringing in new members and hosting meetings. ASME held a meeting to help prepare students for the STEM career fair with the help of career services. A representative from career services came to discuss how to effectively navigate and promote yourself at the career fair. The representative also offered advice on resume building and encouraged students to upload their resumes on Jobs4Cats. ASME is always seeking new members and any interested students are encouraged to join.

The Texas State University student chapter of ASME became active in spring 2013. ASME is an organization of people who share a common interest in mechanical engineering. Members are exposed to various topics within the field of mechanical engineering. Collaboration between student chapters of ASME, AFS, SME, and MAES allowed for seminars, a facility tour and volunteer opportunities for students.

CSA looks forward to another successful semester of events. Partnering with the professional organizations (AGC, ABC, and NAHB), CSA members will have many opportunities to network with industry professionals in the Austin/San Antonio area. These events include, but are not limited to, HBA of Austin Greater Area quarterly meetings, AGC Young Constructors Council, and the ninth annual CSA Golf Tournament.

Students competed in the NAHB Residential Competition in Las Vegas, Nev. February 2-5, 2014. This was a good opportunity for the participants to apply information learned in classes to a real-world problem. In addition to this residential competition, Texas State University sent two teams (Commercial and Design Build) to the Associated Schools of Construction (ASC) region 5 competition. John Holmes of the commercial team was awarded third place best presenter and the commercial team placed fifth.

Through the community outreach committee, CSA has continued to build ramps for disabled low-income families. CSA contributed to five ramp builds with Texas Ramps in the fall, and will complete three ramps in spring. CSA looks forward to continuing this tradition with the goal to build one ramp per month.

This year CSA has taken on a major role in the Bobcat Build community outreach program of the university. On March 21, 2014, students cleared out a home and demolished existing floors, while on March 28-30, 2014, students installed new flooring.

The ninth Annual Golf Tournament will be held April 11 at Plum Creek Golf Course in Kyle, Texas. This is a great opportunity for students to network with industry representatives across the state.

As the Construction Science and Management program at Texas State continues to grow, CSA plans to continue the hard work and dedication given in the past to grow with the program into the future.

ASME Student Chapter Officers

Chairperson: Courtney Dindinger
Vice Chairperson: Garrett Rodgers
Treasurer: Sable Galindo
Secretary: Timothy Hartline
The ASC Region V Competition was hosted in Dallas by TEXO on February 22-24, 2014. Texas State University construction students participated in the Design Build and Commercial divisions. Teams acting as a construction firm received plans and specifications and had one day to prepare estimates, schedules, proposal documents, and, in the Design Build division, design of the building. Participation results in honing of skills needed for potential job opportunities for all team members. On Sunday, the teams traveled to Dallas where they toured the Brandt Engineering facilities and had a dinner hosted by Brandt. Presentation time slots were assigned by a drawing for Monday. In conjunction with Monday’s presentations, team members had the opportunity to network with 18 TEXO member firms.

Texas State placed fifth in the Commercial Competition, Sponsored by AUI Contractors. Other winners included: first - John Brown University; second - University of Oklahoma; third – Texas A&M University; and, fourth - Oklahoma State University. Texas State student James Holmes received third place for best presenter. In the Design Build division, sponsored by The Beck Group, first – University of Oklahoma / University of Adelaide, Australia; second - University of Oklahoma; third – Texas A&M University; and fourth - Oklahoma State University.

Texas State Students Place at ASC Competition

NAHB STUDENT COMPETITION

Texas State University competed in the National Association of Home Builders Residential Construction Management Competition, held in Las Vegas during the International Builders Convention February 2-5, 2014. Students representing Texas State included: Amber Austin, James Holmes, Trevor Jordan, Jesus Pena and Rex West. One of the most valuable learning experiences that the participants noted was the opportunity to present their ideas in front of judges, and the opportunity to hear their feedback.

This year the problem included the development of a 40-60 acre subdivision complete with such infrastructure as roads and utilities. Additionally, five original home designs were developed for the project.

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It was exciting to see two of our students, James Holmes ($4,000) and Francisco Javier Mendez ($1,000), awarded TEXO scholarships, as well as our construction program receiving a $4,000 grant toward tablets to enrich our CSM 4313 curriculum.

The Texas State students participating represented the Engineering Technology department and Construction Science and Management program very well.

Teams begin forming and organizing in the fall semester. Contact any CSA officer about becoming involved.
**Bobcat Build Activities**

“Bands for Building 2014”

*Raised Funds for Bobcat Build Partnership of CSA and ASID*

Bands for Building 2014 was held Saturday, March 1 at 6 p.m. at the Tantra Coffeehouse in San Marcos. Participants enjoyed some tunes from some of the best artists in town, while supporting a good cause!!! The Construction Student Association and the student chapter of the American Society of Interior Designers at Texas State teamed up for a Bobcat Build project benefiting a local low-income family in the San Marcos community. All proceeds from this event were put toward construction materials for the project. The project received support from local patrons Tattoo Emporium, Classic Tattoo, Barefoot Campus Outfitter, Dos Gatos, Texas Skate, Tap Room, Out of the Blue salon, Ebert & Gerbert’s, Retro Exchange, Mazak Music, Rhea’s Ice Cream, Central Texas Speedway, Paper Bear, Louie’s Beer Garden, Jimmy John’s, Hungry Gamer, Bobcat Nation, Root Cellar, and Italian Garden.

**Dog(E) Wash Raises Funds for Bobcat Build Project**

Additional fundraising efforts for the Bobcat Build project of CSA and ASID included a dog wash held on February 28, 2014, at the main office of the Village on Telluride. All donations from bringing canine friends out for bath time went toward the community service project. This event could not have been successful without the sponsorship of Earth Angels pet supply.
According to the University Star trends reporter Ernest Mackias, this year marks the 12th annual Bobcat Build, the second-largest one-day community service event in the state. The event boasted a record number of volunteers with an estimated 4,200 people at about 250 job sites.

This year the Construction Student Association (CSA) in partnership with the student chapter American Society of Interior Designers (ASID), took on a remodel of a small residence here in San Marcos. Although the demolition of old flooring took place on Friday, March 21, 2014, the actual remodel took place on Friday, Saturday and Sunday March 28-30, 2014, and included such amenities as new flooring, countertops, backsplash, trim, painted interior walls and cabinetry and exterior landscaping.

This is the first time that construction students and interior design students have collaborated in an interdisciplinary effort to give back to the community. The idea of the partnership started the fall 2013 semester, with the selection of committee chairs to represent each organization. The candidates selected to lead the project were CSA committee Samuel Solis (chair), Francisco Javier Mendez, and Zelda Azua and ASID committee Devon Bieniawski (chair), Eleanor Smith and Maya Cooper-Sebesta. At the beginning of the spring semester, meetings were held to discuss the scope of work and how to go about finding a suitable project. Sam and Devon contacted the Hays County food bank and spoke with them about the vision for the project. With the food bank’s assistance, applications were distributed to families in need within the community. From the 20 applications, committee members identified the most feasible project for the committee and Ms. Julia Longoria and her family were selected. The Longorias are a family of five (mother, father, and three children), living in a home that is roughly 800 square feet. The initial home visit revealed that the home needed work on the flooring, windows, doorways, and general paint and trim work. Fundraising efforts started in mid-February and continued through March (see previous page).

Over the course of the two weekends, approximately 80 students helped with the many tasks, logging over 50 hours.

The CSA and ASID students would like to thank Embassy Suites for the two-night complimentary stay for the family, McCoy’s Building Supply for their $300 donation, Tom Smith of Little Dudes Learning Center for donating flooring materials, and Rainey Richardson Interiors for a donation of a new stove and some landscaping items for the family.
TEXO Foundation Grant Supports Classroom Activities

Students in Dr. Talley’s Structural Analysis class (CSM 3360) pose with the trusses they built in class. These PASCO Advanced Structures Sets were purchased with a matching grant from the TEXO Foundation.

L-R: Ashton Allen, Taylor Schubert, and Kevin Fuller with their Warren Truss.

L-R: Malcolm Williams, Matt Hoffman, Gadiel Arellano, and Carey Poarch with their Howe Truss.

L-R: Kyle Coldeway, Ralph Ochi, Lane Conaway, and Kyle Willion with their Pratt Truss.

L-R: Travis Miller, Austin Dyer, Ben Pritchard, Tyler Hoffman, and David Haddad with their Howe Truss

Student Research Activities

Zachery Garcia, James McNeill, and Justin Dickey gave a presentation on “Effects of Recycled Carpet Fiber Reinforced Concrete with Recycled Concrete Aggregate” at the 2013 College of Science Research Conference at the University of Texas at San Antonio on October 18, 2013. Student Advisor: Dr. Yoo-Jae Kim