



Sigma Lambda Chi proudly presents:

# Construction Science and Management Newsletter

January 2014

## Message from the president

Greetings alumnus!

It is my pleasure, on behalf of the members of Pi Chapter, Sigma Lambda Chi Construction Honor Society, to send you this newsletter telling of activities of students in the construction science and management program. We hope you will enjoy reading of these activities and appreciate the work the student authors have contributed. The activities and organizations in which the students participate provide great opportunities for intellectual growth, hands-on experience and connection with industry professionals. We hope you will share our enthusiasm and pride.

We are also requesting your assistance. Each year, with your generous support, the department continues to improve. Your potential gift to the I.E. Thorson Scholarship fund enables and encourages this growth. We hope you will consider contributing to the students' continued successes. Your donations allow us to increase the number

and size of scholarships available for academic assistance to upperclassmen through the honor society's work.

To make a gift via regular mail, please print and complete the last page of this newsletter, and send it to the KSU Foundation. Or, you may make an online gift at [https://one.found.ksu.edu/ccon/new\\_gift.do?action=newGift&ccn\\_fund\\_id=2318&scenario=selectfund&reason=CWEB](https://one.found.ksu.edu/ccon/new_gift.do?action=newGift&ccn_fund_id=2318&scenario=selectfund&reason=CWEB)

If your employer has a gift-matching program, please contact the K-State Foundation matching gift coordinator at 800-432-1578.

Thank you for your continued interest in and support of the students and the department. As always, we appreciate your support of the program.

Respectfully,

Caleb Broxterman, President

Pi Chapter

Sigma Lambda Chi Construction Honor Society

## Department head message

Alumni, friends and colleagues—



Greetings, on behalf of the faculty, staff and students of the department of architectural engineering and construction science. I hope you enjoy the fall 2013 construction science and management Sigma Lambda Chi newsletter outlining many of the noteworthy accomplishments and activities of those involved with the construction science and management program at

K-State. We are especially proud of the national and international recognition earned by the program as a result of the leadership, professionalism and hard work of many of our students and faculty. Their efforts have brought great credit to the CNS program, the department and K-State as we continue our winning tradition. I am pleased to present some highlights of activities and accomplishments of our student/faculty team during the past academic year.

- Our student design competition teams remain strong, placing 2nd in the design-build division in the 21st annual Construction Management Student Competition for Region IV of the Associated Schools of Construction (ASC).

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- Ten student organizations in the department remain very active through meetings, technical presentations, social events, industry/site visits, conference trips and philanthropy projects.
- We gained three new faculty members who continue our tradition of bringing strong industry experience into the classroom: Shannon Casebeer (KSU CNS 1992), Katie Loughmiller (KSU CNS 2001) and Greg Stueve (KSU CNS 1984).
- We lost two outstanding faculty members as Carl Riblett and Eric Bartholomew have left to pursue opportunities in industry.

We continue strong undergraduate enrollment for fall 2013 with nearly 600 students in our department and nearly 300 of those enrolled in construction science and management. Outstanding employment opportunities abound with strong entry-level employment for our graduates and summer internships for many of our students.

Dave Fritchen stepped down as department head at the end of 2012 after 14 years of dedicated service, and I began as the new department head in January 2013. I look forward to working with all of you, our students and our faculty as we continue the growth and development of the department.

I hope all of you are as proud as I am with the success of our construction science and management program, students, faculty and staff. We are grateful to you, our alumni, friends and colleagues, for your continuous and generous support as “partners in our success.” We hope to see you on campus and you are always welcome to visit us any time you can. If you cannot make it back as often as you like, please visit [www.ksu.edu/are-cns](http://www.ksu.edu/are-cns) to keep up with our news and report news of your own.

With Purple Pride,

Raphael A. (Ray) Yunk, PE, LEED AP  
Department Head and Professor  
(KSU ARE BS 1988, MS 2004)

## Graduating senior expresses thanks to faculty

As I begin to move through my last year of college, the thought of having a life outside of a classroom seems somewhat surreal. Since we, as students, have all lived in a culture of school since we were around five or six years old, we do not really remember or know anything other than school. The idea of taking on the responsibilities of a full-time job can leave one feeling somewhat inept. While I might feel that I am unprepared or unqualified, I know and trust the faculty members of our department have taught me everything they can to prepare me for the workplace. Thus, I would like to take time to acknowledge and thank these people not only for their continued dedication to excellence in construction education, but for the support they provide in helping us find jobs upon graduation.

From the moment we stepped into our first department class, Construction Materials, to when we finish our final in Construction Operations, our faculty work to equip us with the knowledge and abilities to be productive members of the construction industry. The further I proceed in my classes, and the more experience I gain, the more thankful I am for the hard working teachers in our depart-

ment. Not only have they been great in the classroom, the support they provide in the job search is unparalleled. I look around campus and see many of my friends in a panic to find companies that are hiring recent graduates. I also see some that have nearly given up on their job search due to the lack of support in a tough job market.

This, though, is not the case for CNS. Our department has made a name for itself, and key members of our faculty work to build relationships with potential employers and bring them into the department to interview students. Having employers come to campus to have preliminary interviews takes a huge weight off the minds of each graduating senior. This system could not be possible without a terrific group of faculty that care about their students.

So once again, I would like to thank all present and past faculty for their dedication to construction education, and for their genuine concern in helping their students find jobs and equipping us for successful careers.

Eric Ross  
Senior, CNS

## New faculty

### Shannon Casebeer, Instructor

Shannon Casebeer received his B.S. in construction science and management from Kansas State University in 1992. He worked for 21 years in industry, engaged in various commercial building construction projects, heavy civil construction projects and railroad construction projects.

Casebeer's scholarly activity includes construction management, construction estimating and LEED. He is a member of the Associated General Contractors (AGC) of Kansas.

Courses he is currently teaching include CNS 200 – Computer Applications for Engineering and Construction, and CNS 641 – Construction Estimating.



### Katie Loughmiller, LEED GA, Instructor

Katie Loughmiller received her B.S. in construction science and management from Kansas State University in 2001. Her scholarly activity includes project scheduling, project cost control and sustainability. She is a member of the National Association of Women in Construction (NAWIC), where she is active in both the local Topeka chapter and the NAWIC Education Foundation. She is currently advising the American Concrete Institute Student Chapter and is a coach for the ASC student competition team.

Courses she is currently teaching include CNS 321 – Construction Techniques and Detailing, and CNS 645 – Construction Scheduling and Cost Control.

Before coming to Kansas State as an instructor in the fall of 2013, Loughmiller worked for American Constructors, Inc. in Austin, Texas, and Ron Fowles Construction, Inc. in Manhattan, Kan. She has 12 years of industry experience in project management on projects varying in size from \$5,000 to \$65 million.

### Gregory Stueve, Instructor

Greg Stueve received his B.S. in construction science from Kansas State University in 1984. His scholarly activities include construction management, construction cost estimating, building materials and selection, quality control and cm@risk project delivery. He is a member of the Associated General Contractors (AGC) of Kansas.

Courses he is currently teaching include CNS 320 – Construction Materials and CNS 641 – Construction Estimating.

Before coming to Kansas State as an instructor in the fall of 2013, Stueve worked for McPherson Contractors, Inc. as a senior project manager. He has 30 years of construction industry experience, working with projects ranging from \$100,000 to \$46 million in the commercial building sector. This includes hospitals; educational facilities; law enforcement, retail, multi-family and office buildings; and financial institutions. He and his wife have two grown children, both graduates of K-State.



## Expansion planned for College of Engineering

K-State's College of Engineering is the engineering program of choice in Kansas. Enrollment will continue to grow thanks to the University Engineering Initiative Act (UEIA), which aims to increase the number of engineering graduates by more than 50 percent in the state of Kansas over a 10-year period. To accommodate this unprecedented growth, a new building expansion, "Phase IV," is planned for the College of Engineering complex. This facility will house the expected increase in enrollment and faculty, and help the college meet its goals while providing for a more integrated culture. This new building expansion will be the foundation for the college, combining science, theory and technology in an atmosphere of innovation and collaboration.

When the Phase IV expansion opens in the fall of 2015, it will be a first-class facility that will impact the daily experience of more than 3,500 students and 300 faculty and staff who proudly represent Kansas State University College of Engineering. The engineering complex will enhance the engineering educational experience for all current and prospective students.

Phase IV will create approximately 107,000 square feet of instructional, research and office space in the heart of the university's engineering campus. The project will consolidate functions currently dispersed over multiple locations, creating a flexible environment to inspire and support interdisciplinary learning and collaboration.

The new facility will be constructed at the corner of College Heights and Denison across from historic Ahearn Fieldhouse. The building program includes classrooms, teaching and research laboratories, an auditorium, faculty and administrative offices, and student gathering areas. It will also house the departments of computing and information sciences, and electrical and computer engineering. The front doors of Rathbone Hall will open to a reception center, 250-seat state-of-the-art auditorium, and a conference room to meet the needs of students, faculty and alumni.

The conceptual design and schematic design have been completed and design

development will be complete late fall 2013, followed by construction documents. The design contract is with Architect, Perkins+Will, teamed with Nevius Serig Palmer Architecture (NSP) and Affiliated Engineers Inc. (AEI). Under guidelines of the Kansas alternative project delivery building construction procurement act K.S.A. 75-37,141, "construction manager at risk" process was selected and approved as the delivery method for the Phase IV expansion. A contract was awarded to McCownGordon Construction of Kansas City for pre-construction, construction management and general contractor services.

Access more details and follow the progress at [www.engg.ksu.edu/phaseiv/](http://www.engg.ksu.edu/phaseiv/)

David R. Fritchen  
ARE/CNS Professor



## Mark Hutton inducted into Hall of Fame



The Kansas State University College of Engineering Hall of Fame inducted Mark Hutton, Wichita, at ceremonies on campus Saturday, April 6, 2013, at the annual Seaton Society Banquet. Induction to the hall is the highest honor bestowed on its alumni by the college. Honorees are recognized for their professional success

and accomplishment, involvement with and support of the College of Engineering, dedication to the university, and professional and public service.

Hutton is a 1977 graduate of Kansas State University in construction science and management. He is the founder and CEO of Hutton Construction Corp., an enterprise of

120 employees with an annual business volume of more than \$100 million. The company has been recognized with numerous awards, including multiple years as a finalist in the Best Places to Work competition. In 2010, Hutton Construction was honored as Company of the Year and Hutton was named Man of the Year by the College of Engineering. That same year Hutton Construction was also one of three companies to receive the Wichita Business Journal's Best in Business award. Hutton is a past president and serves on the board of directors of the Associated General Contractors of Kansas, is a national director of the Associated General Contractors of America and a trustee of the Kansas Construction Education Foundation. At Kansas State University, he serves on the College of Engineering Advisory Council, chair of the Construction Science Advisory Committee and as a trustee of the Kansas State University Foundation. Hutton is on the board of directors for the Wichita Chamber of Commerce and the Kansas Turnpike Authority, and is a past board chair of Youth Horizon, a faith-based youth mentoring organization.

## Parker Young honored with Professional Progress Award

The Kansas State University College of Engineering honored 11 alumni for professional career accomplishment during the first 20 years following their graduation. The honorees were recognized at ceremonies on campus Saturday, April 6, 2013, at the annual Seaton Society Banquet.

Recipients of the college's Professional Progress Award were nominated by their respective department heads and confirmed by the dean of engineering. The Professional Progress Award recipient for the construction science and management program was Parker Young.

Young, Overland Park, a 1994 graduate in construction science and management, is a partner with Straub Construction Co., serving as executive

vice president and COO, having previously held positions as superintendent, project manager and vice president of operations. His primary responsibilities include general oversight of processes and procedures in project management, estimating, accounting, human resources and all aspects of field operations. Young has been actively involved in the local chapter of Associated Builders and Contractors, previously serving as board chairman, and was recognized with the 2012 Arthur C. Waugh Keystone Award. He has been honored by Ingram's magazine as one of its "40 under 40" and the K.C. Business magazine as a "Rising Star." He is currently chairman of the board for City Vision, a not-for-profit urban development organization.



## Chapter news: AGC

The AGC student chapter, busy as always, has a number of work projects going on and has already tallied more than 80 volunteer hours. Currently members have been working in Ogden building a two- bedroom house with Habitat for Humanity. We had already performed the framing of the walls and setting of the trusses, and have recently moved to the inside and assisted with the hanging of the drywall. Other plans to help with include the pouring of the sidewalks and continuing with inside work.

Another large undertaking for AGC is at the Konza Prairie. A limestone spring house built in the 1800s had a wall collapse and the group is in charge of rebuilding it. This project has posed a challenge of piecing the



limestone blocks together in a way that makes it look as if it had never fallen. We are also patching other places around the house, which should allow the structure to fight the elements for many years to come.

The group has been working to line up a few construction-related tours. We hope to travel to Salina and tour Salina Concrete Products facilities sometime this year. We have also been working to have a jobsite tour of the new Bluemont Hotel being constructed near Aggieville. We believe both tours would provide educational benefits for all members.

Chris Isern  
Senior, CNS

## Chapter news: MCAA

The K-State chapter of the Mechanical Contractors Association of America (MCAA) began a busy fall by sending four students to Memphis, Tenn., for Summit 2014 in mid October where they had the opportunity to exchange ideas on chapter development, test their skills and knowledge in a mini competition, attend seminars by industry professionals, and tour projects such as the completed St. Jude's Hospital and the Memphis Rock 'n' Soul Museum. Details for an upcoming student competition were also released at the student summit. Our team is already busy at work on this and looks forward to putting together a top project.



The chapter will have a behind-the-scenes tour of the newly completed Bill Snyder Family Stadium – West Stadium Center. This facility was toured during construction in March and we are all looking forward to seeing the finished product. Also planned for the fall is a seminar sponsored by MCAA with a guest speaker from U.S. Engineering. With membership at its highest ever, 2013-14 looks to be a strong year.

Eric Engelland, MCAA president  
Senior, CNS

## Upcoming golf tournament

Mark your calendars for the annual Sigma Lambda Chi golf tournament, scheduled for Saturday, April 12, 2014, at Colbert Hills, Manhattan, Kan.

If interested in participating, contact Robert Berglund at [berg2454@ksu.edu](mailto:berg2454@ksu.edu) or Rod Elder at [relder@ksu.edu](mailto:relder@ksu.edu).



## Summer intern reports

This summer, I interned at GE Johnson in Colorado Springs, Colo., where I had the opportunity to work on the Lane Center at UCCS. It provided a great learning experience as I was able to be on site every day and apply what I had learned in the classroom to the “real world” of construction. Whether it was processing submittals, answering RFIs or taking minutes in the weekly foremen’s meetings, it felt like I was really a second project engineer on the job, not just “the intern.” This allowed me to gain a better understanding of what it was like to work in the field, as my previous internships were in the office either

doing pre-con or PM-oriented work. I also appreciated the opportunity to jump into the estimating side of GE Johnson, where I got to experience a true bid day. It not only gave me some estimating experience with a GC, but also gave me a clearer idea of what I want to do when I graduate. The summer, along with my past internships, proved how beneficial an internship can be. This will be an invaluable resource while I finish out my last semester here at K-State.

Sarah Rees  
Senior, CNS

Over this last summer I was given the opportunity to serve an internship with Performance Contracting, Inc. in the interiors division in their Indianapolis branch. Performance Contracting, Inc. or PCI is a subsidiary company of Performance Contracting Group or PCG. PCG and its subsidiaries cover a wide variety of services including interiors, insulation services, marine insulation, scaffolding and others. My main scope of work in the interiors division involved metal stud framing, sheetrock and acoustic ceiling systems.

PCI was a great company for me to work for because instead of being treated as an intern, I was treated as if

I worked there full time. I was given the same types of duties a project engineer would have including reverse takeoffs to keep an eye on production, putting together submittal packages and meeting with foremen to make sure they had everything they needed to run their projects. I also spent time working with estimators, branch administrators and the branch manager, learning about all the different things it takes to keep an office running smoothly.

Grant Weber  
Junior, CNS

One of the major emphases of the construction management program here at Kansas State University is gaining experience in the industry before we graduate. I have taken this advice over the past three summers and have had many great experiences working for different contractors in the Midwest. This summer I was able to add to my previous experience by working for Martin K. Eby Construction Company out of Wichita, Kan.

While at Eby, I had the opportunity to experience both the field side and office side of their work. When I was in the field, some of my responsibilities included site layout and surveying. This was a great opportunity to learn how

to use the total station for laying out control points and shooting new points for as-built drawings. After spending time out in the field, I was moved into Eby’s estimating department at their corporate headquarters in Wichita. During my time there, I was able to experience multiple bid days and the excitement that goes along with that.

Overall, this summer provided many different challenges and learning experiences I look forward to applying throughout my career.

Andy Gilmore  
Junior, CNS

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