# KANSAS STATE UNIVERSITY STUDENT CHAPTER ASCE 2008 Annual Report





Department of Civil Engineering Kansas State University 2118 Fiedler Hall Manhattan, KS 66506 (785) 532-5862



# 2008 Annual Report for ASCE Student Organizations (Student Chapters & International Student Groups)

School Name:

#### KANSAS STATE UNIVERSITY

Calendar Year: January 1 – December 31, 2008

Received by Deadline: FEBRUARY 1, 2009

**Send with \$25 ASCE Student Organization Annual Dues to:** 

American Society of Civil Engineers 1801 Alexander Bell Drive Reston, Virginia 20191-4400 Attn: Student Services

#### PART I – RECORDS

Part I of the report asks for objective records relating to leadership, membership, finances, meetings, and contacts.

<u>A. TRANSMITTAL</u>			
School Name: Kansas State University			
ASCE Student Org. Mailing Address: 2118 Fiedle	r Hall, Manhattan, KS 66506		
ASCE Student Org. Website (If Applicable): www	v.engg.ksu.edu/asce		
ASCE Student Org. E-mail Address: mustak@ksu	.edu		
ASCE Student Org. Office Phone Number: (785)	Month of Officer Elections: May & December		
Faculty Advisor Name: _A.S.M. Mustaque Hossa	in		
Faculty Advisor ASCE Member Number: <u>24914</u>	.4		
Faculty Advisor E-mail Address: mustak@ksu.edu	1		
Faculty Advisor Phone Number: (785) 532-1576	Fax Number: <u>(785) 532-7717</u>		
Practitioner Advisor #1 Name: Mr. Dave Karnow	vski, P.E.		
Practitioner Advisor #1 ASCE Member Number:	15192901		
Practitioner Advisor #2 Name: _S. Earl Tast, P.E.			
Practitioner Advisor #2 ASCE Member Number:	279812		
	CE Section/Branch in your area who has been appointed by the ween your ASCE Student Organization and the practitioners in the		
(Please print & sign names) Report submitted by:	Contents approved by:		
Secretary of ASCE Student Organization Mr. Jake Ferrell	President of ASCE Student Organization Mr. Douglas Duncan		
President of ASCE Student Organization Mr. Douglas Duncan	Faculty Advisor A S M Mustaque Hossain		
Date	Practitioner Advisor #1 Mr. Dave Karnowski, P.E.		
	Practitioner Advisor #2 S. Earl Tast, P.E.		
B. ASCE STUDENT ORGANIZATION OFFICERS	<u>S</u>		
Please print name of officers during the 2008 calen	dar year by date of office.		
From (date): January 31 <sup>st</sup> To: July 31 <sup>st</sup>	From (date): August 1 <sup>st</sup> To: December 31 <sup>st</sup>		
President Steve Hammerschmidt	President Douglas Duncan		
Vice President Douglas Duncan Vice President Trevor Tast			
Secretary Tyler Ummel Secretary Jake Ferrell			
Treasurer Trevor Tast	Treasurer Cody Cates		

Please list additional officers below:

Spring 2008

Laura Rachelle White – Corresponding Secretary

Chad Banka – Historian

Nathan Willis – Freshman/Sophmore Representative

Coty Hinman – Activities Chair Eric Byrd - 100 Years Chair Wilson Smith – Open House Chair Brian Coomes – Steel Bridge Chair Kait Howard – Concrete Canoe Chair

Fall 2008

Trevor Fenton – Corresponding Secretary

Kenny Engholm – Historian

Kyle Perkuhn – Freshman/Sophmore Representative

Stephen Austin – Activities Chair Nathan Willis – Open House Chair Brady Hedstrom – Steel Bridge Chair Amanda Sixbury – Concrete Canoe Chair Becca Nyght – Newsletter Editor

Jon Edward Thorsell–Student Council Representative Kishore Gorle – Graduate Student Representative

Cody Cates - Special Projects Chair

 $Jason\ Fundis-Webmaster$ 

Rob Murphy – Open House Chair Joey Holste – Steel Bridge Chair

Paul Bruss – Concrete Canoe Chair

Becca Nyght – Newsletter Editor

Michael Heigert-Student Council Representative

Joey Holste – Graduate Student Representative

Tyler Ummel – Special Projects Chair Kyle Merklein – Open House Chair

Chad Banka – Steel Bridge Chair

Jason Fundis – Webmaster

#### C. MEMBERSHIP

Statistical information below with be used to tabulate a score of the ASCE Student Organization activities on page 9.
Is attendance at ASCE Student Organization meetings mandatory?X (yes)(no) ASCE Student Organizations will not be penalized if attendance is mandatory. Scoring is adjusted to accommodate for mandatory attendance – points for attendance will be excluded from the raw score total and S(I)max will be 80. See review and rating sheet on page 12.
Society-level ASCE Membership isX(voluntary)(compulsory)
Numbers provided below should represent the average per term within the calendar year. (Example: 50 Juniors & Seniors in Spring Term 2008, 60 Juniors & Seniors in Fall Term 2008 – Enter 55 as your average per term within the calendar year.)
Total number of Juniors & Seniors eligible to join ASCE (number of Jr. & Sr. with CE declared major):133
Total number of Juniors & Seniors in your ASCE Student Organization: <u>86</u>
Number of members of your ASCE Student Organization: <u>140</u>
Number of ASCE Student Organization members who are Society-level ASCE Student Members: 93
Please attach two lists of members: 1) List of your ASCE Student Organization members and their years in school, and 2) List of Society-level ASCE Student Members. Membership lists should be included as Attachment A of the ASCE Student Organization Annual Report. Note: The Society-level Student Member Roster provided by Student Services should not be included as Attachment A, but used only as a starter list as it may not contain the most current information.
Statistical information (you will use this on page 9):  (Total Jr. & Sr. ASCE Student Organization Members) ÷ (Total Jrs. & Srs. Eligible) =64.7%  (Total Society-level Student Members) ÷ (Total Local Student Members) =66.4%
<u>D. FINANCE</u>
Local Membership dues: \$persemester (year, semester, quarter, etc.)
Society-level Membership dues: \$0 per calendar year
Source of ASCE Student Organization income other than dues. List sources and amounts:
ASCE Kansas Section - \$500 per year
Financial position as of December 31, 2008:
Cash Balance: \$ _3,256.75
Accounts Receivable: \$ _0.00
Accounts Payable: \$ 0.00

#### E. SUMMARY OF MEETINGS

#### ASCE STUDENT ORGANIZATION MEETINGS

Meetings to which the general membership of the ASCE Student Organization is invited should be recorded here. All meetings reported in this section must be arranged and sponsored by the ASCE Student Organization. Include joint meetings, technical and professional meetings, field trips and social functions. Do not report attendance at meetings or functions hosted or sponsored by other ASCE or outside groups.

Date	Activity	Program		Attendance (give numbers)			
	Type (Use abbreviatio ns below.)	(Briefly describe program. Include name of speaker if applicable.)	Students	Faculty	Faculty Advisor	Practitioner Advisor(s)	Other
Jan. 24	PM	WaterOne Facility 3 Water	127	3	2	3	1
		Treatment Plant 3-D Virtual Design,					
		Bob O'Bryan, Black & Veatch					
Feb. 7	PM	Market Trends and What Employers Want,	120	2	2	3	1
		Rick Worrel, Affinis Corp.					
Feb. 21	PM	Civil Engineering in the Public Sector,	116	1	2	2	2
		Steve Dengenhardt & Steve King,					
		City of Wichita					
Mar. 13	PM	Kansas State Olathe Innovation Campus,	75	4	2	3	1
		Mark Breuer					
Apr. 3	PM, SF	KU/K-State Joint Dinner,	22	1	1	2	15
		ASCE Kansas Section					
Apr. 10	PM	BNSF Capacity Improvement: Powder River	88	2	2	3	2
		Division, Wyoming,					
		Kirby Barret, TranSystems					
May 1	SF	ASCE Picnic,	63	11	2	0	8
		KSU ASCE & George Butler Associates					
May 8	PP	Senior Project Presentation,	102	1	2	2	0
		Civil Engineering Graduating Seniors					
Sept. 11	PM	Career Fair Tips and Techniques,	166	4	2	3	2
		Azeena Dargis & Lucas Flax, Kimley Horn					
Sept. 18	SF	ASEC Picnic,	69	10	2	0	7
		KSU ASCE & George Butler Associates					
Sept. 25	PM	Career Paths with APWA,	84	1	2	3	2
		David Johnson & Dale Houdeshell, APWA					
Oct. 16	PM	Rebuilding Greensburg,	146	3	2	3	4
		Rod Young, Amanda Bahrij, Mike Stewart,					
		& Mike Berry, PEC					
Oct. 30	PM	Walt Bleser, HNTB	123	1	2	3	1
Nov. 6	PM, SF	KU/K-State Joint Dinner,	59	7	2	2	32
		ASEC Kansas Section					
Nov. 13	PM	Our Role in Community Service,	96	2	2	2	1
		Keith Warta, Bartlett and West					
Dec. 11	PP	Senior Project Presentation,	95	1	2	2	0
		Civil Engineering Graduating Seniors					

Meeting	
Abbreviation	Statistical Information:
PM	Number of Professional Meetings (business & technical presentation):12
PP	Number of student talks or paper presentations at ASCE Student Org. meetings:2
Ethics	Number of meeting with Professional Conduct (Ethics) programs:0
FT	Number of ASCE Student Org. sponsored field trips:0
SF	Number of ASCE Student Org. sponsored social functions:4
	Average attendance at 10 most populated ASCE Student Org. meetings (if fewer than 10 meetings
	were held, average all meetings):117.9
	(Average attendance) ÷ (Total student ASCE Student Org. members) = 84.2

#### E. SUMMARY OF MEETINGS (continued)

#### SECTION/BRANCH MEETINGS

Please list the date, location, and other information below for any meetings sponsored by the ASCE Section or Branch that members of your ASCE Student Organization attended this calendar year. Also list any technical group meetings or meetings of other professional organizations attended by members of your organization.

Date	Location	Name of Section/ Branch Host	# of ASCE Students Present	# of Section/Branch Members Present
Apr. 3	University of Kansas	Kansas Section ASCE	30	7
Nov.6	Kansas State University	Kansas Section ASCE	85	15

Stat	tistical Information: Did your ASCE Student Org. host at least one ASCE Section/Branch/Technical group meeting? Yes r No)
	Did your ASCE Student Org. attend any ASCE Section/Branch/Technical group meetings as noted above?
	If yes, what was the total number of students who attended?

#### F. IMPORTANT CONTACTS

List contacts that your ASCE Student Organization found to be important to your activities this year that you feel will be useful to next year's officers.

Contact Name	Phone/E-mail	Mailing Address	Comments	
Robert Thorn	(785) 235-2393 Bthorns@cox.net	603 Topeka Ave. Topeka, KS 66603	Lifetime Honorary Chapter Member	
Dave Karnowski	(785) 456-9509 Karnowski@kansas.net	1010 W. 6 <sup>th</sup> Wamego, KS 66547	Practitioner Advisor and Advisory Council Member	
Earl Tast	(785) 233-8300 Earl.tast@pec1.com	1263 S.W. Topeka Blvd. Topeka, KS 66612	Practitioner Advisor	
Dr. Mustaque Hossain	(785) 532-1576 Mustak@ksu.edu	2124 Fiedler Hall Manhattan, KS 66506	Faculty Advisor	
Dr. Hani Melhem	(785) 532-1584 Melhem@ksu.edu	2127 Fiedler Hall Manhattan, KS 66506	Faculty Advisor	
Karl Svaty	(316) 6849600 Ksvaty@mkec.com	411 N. Webb Road Wichita, KS 67206	Advisory Council President	

#### G. ATTACHMENTS

Include a sample of meeting announcements, programs, agendas, etc. as Attachment B of the ASCE Student Organization Annual Report. Do <u>not</u> include copies of all announcements, etc.; a representative sample is sufficient.

#### **PART II - ACTIVITIES**

Part II asks for a combination of objective and subjective records relating to activities outside of general ASCE Student Organization meetings. This section is an opportunity for ASCE Student Organizations to distinguish their activities from others.

#### A. PARTICIPATION IN STUDENT CONFERENCE & WSCL

1.	. Did your ASCE Student Organization attend a Student Conference during the year?  Name of Conference Mid-Continent Regional Conference		
	Date April 17-19 Location Fayetteville, AR		
	Number of representatives attending:44		
	Did your ASCE Student Organization host or co-sponsor this Student Conference? No  If yes, please attach a "Special Project Report" as described on page 6.		
2.	Did your ASCE Student Organization attend a Workshop for Student Chapter Leaders (WSCL) during the year?  WSCL CityAustin, TX DatesApril 25-26		
	Number of Representatives:4 Student(s)0 Advisory Personnel (Faculty and/or Practitioner)		
<u>B.</u>	ASCE STUDENT ORGANIZATION NEWSLETTER & HOMEPAGE		
1.	Does the ASCE Student Organization prepare its own newsletter? Yes  Number of issues during Annual Report year: 12		
	Are copies regularly distributed to the following? (Answer YES or NO)  Practitioner Advisor(s): Yes Section/Branch President: No		
	Regional Governor: Yes ASCE Headquarters: No		
2.	Does the ASCE Student Organization maintain a homepage on the Internet? If yes, what is the address?		
	http://www.engg.ksu.edu/ASCE/		
	ease attach one sample copy of your newsletter and/or a print out of the ASCE Student Organization web site as tachment C of the ASCE Student Organization Annual Report.		
<u>C.</u>	PRESENTATIONS OUTSIDE OF THE ASCE STUDENT ORGANIZATION		
sor Stu clie	ease report presentations made by one or more of your members on a professional or technical topic undertaken in the ASCE-related environment, such as an ASCE Section/Branch meeting, National Engineers Week Event, or adent Conference. Presentations to potential ASCE Student Organization donors or community service project tents may be reported here. Announcing meetings in class does not count as a presentation. Project presentations at are given as a mandatory part of a course also do not count.		
Or	d any student members of your ASCE Student Organization make presentations outside of the ASCE Student ganization meeting? <u>Yes</u> yes, how many presentations were made? <u>1</u>		
	st student name and presentation title with the date, location, and name of event sponsor below for each esentation:		
	ouglas Duncan, Trevor Tast, Erin Martin, Amanda Sixbury, Chad Banka, and Brady Hedstrom – Civil Engineering visory Council – Update of ASCE Activities – September 19, 2008		

#### D. PARTICIPATION IN ASCE STUDENT MEAD CONTEST

Did a member of your ASCE Student (Contest during the year of this report?_	Organization submit a paper to the National Daniel W. Mead Student Paper No
Author	
E. ASCE SOCIETY-LEVEL CIVIL ENG	GINEERING EVENT
	represented at any ASCE Society-level Event? (Includes Institute events, include National Concrete Canoe or Steel Bridge events.)
	Location
Number of Representatives: .	Student(s)
	Advisory Personnel (Faculty and/or Practitioner)
Name of Event N/A	
Date	Location
Number of Representatives:	Student(s)
	Advisory Personnel (Faculty and/or Practitioner)
	s covered? (i.e., Chapter funds, civil engineering department, individuals, a
F. PRACTITIONER & FACULTY ADV	<u> </u>
Did your Faculty Advisor attend the Pra Date Yes – August 27, 2004	actitioner & Faculty Advisor Training Workshop (this year or in the past)?

#### G. ASCE STUDENT ORGANIZATION ACTIVITY HIGHLIGHTS

the past)? Date Yes – September 2004

To convey a more complete picture of ASCE Student Organization activities, it is suggested that a brief summary giving the highlights of each professional meeting and other activities be prepared on additional sheets and included as Attachment D to this Annual Report. Other activities would include any ASCE Student Organization field trips, social activities, competition projects, and activities that enhance the overall ASCE Student Organization program at your school. Please include any joint meetings and activities with other organizations, including National Engineers Week activities. Community service projects, hosting a Student Conference, National Concrete Canoe Competition, and National Student Steel Bridge Competition, and other activities that benefit more than the ASCE Student Organization should be described in the next section, "Special Projects." Please limit the summary of each meeting/activity to one page.

Did one of your Practitioner Advisors attend the Practitioner & Faculty Advisor Training Workshop (this year or in

#### H. SPECIAL PROJECTS

ASCE encourages its members to provide leadership in special projects. Thus, it is appropriate for ASCE Student Organizations to undertake special projects that will fit in with the "people serving" role of civil engineering. To foster these "people server" activities, the Committee on Student Activities awards up to 40 points on your Annual Report score for special projects. Since you will be accomplishing your projects as an ASCE organization, the most appropriate activities are those requiring engineering expertise, although other service efforts are worthwhile. Successful projects are often published in *ASCE News*. A list of examples can be found in the ASCE Student Organization Handbook.

To be considered an acceptable special project, the project must have benefits outside the ASCE Student Organization and ASCE. Construction of a concrete canoe, steel bridge, or a fundraising project for your ASCE Student Organization does not qualify. The project should be directed toward community service or a project on campus that is for the benefit of more than just the ASCE Student Organization and its members. Hosting a Student Conference, National Concrete Canoe Competition, or National Student Steel Bridge Competition involves community participation and does qualify as a special project.

If you do undertake special projects, they must be documented by report in narrative form using an accepted format for technical report writing. This form will provide a record of your activities for your own ASCE Student Organization files, make the project reports suitable for publication, and make it possible to be evaluated fairly. Keep in mind that special projects may well represent your group's best opportunity to achieve its goals and objectives. Consider pointing out in the special project report which goals and objectives were addressed as part of the project.

In order to assist you with the organization of your report on special projects, use either the cover page found on page 13 or use a cover sheet including the same information for each project. The body of the report should follow the cover page. It should contain the narrative description of your project complete with photographs, news releases and other information necessary for the complete documentation of your efforts in the "people serving" area. Include these special projects as Attachment E of this Annual Report.

In recognition of outstanding community service at the ASCE Student Organization level, the Committee on Student Activities may award special prizes and/or recognition.

#### PART III REPORT PRESENTATION

Up to five points may be awarded to your ASCE Student Organization based upon evaluation of the overall report organization and presentation effectiveness. This evaluation will not be based on a special cover, special paper, binding or colored photographs. Make it easy for the evaluators to review your report. Remember that a report exceeding the maximum limit of 100 pages will receive a score of zero for Part III.

Often overlooked is the fact that a professionally prepared, high quality report can serve as an excellent promotional/marketing tool for your ASCE Student Organization. Use your Annual Report to illustrate to others (e.g. prospective members/officers, Department Chair/Head, College Dean, University President, Section/Branch Members, etc.) what your ASCE Student Organization has done over the past year. Be proud of your accomplishments!

## PART IV ASCE STUDENT ORGANIZATION OBJECTIVES

Up to ten points may be awarded to your ASCE Student Organization based upon evaluation of your ASCE Student Organization's stated overall goals and objectives.

State the overall goals and objectives of the ASCE Student Organization and how the programs and activities have accomplished (or not accomplished) these goals and objectives. This statement and description of objectives should be included as Attachment F of the ASCE Student Organization Annual Report.

A key to a successful ASCE Student Organization is to establish goals and objectives at the beginning of a school year or as the officer elections take place. These goals give you something to strive for and allow the ASCE Student Organization to constantly reference for direction. Assessment of your progress toward meeting your goals and objectives should be an equally important part of your leadership activities. Officers could gather at least once a month and evaluate your goals and objectives.

Your goals and objectives should be just that – yours! When brainstorming and setting your goals and objectives in concrete you might consider why you became a civil engineering major and why you became an ASCE Student Organization officer. Finally, you might consider your school's civil engineering program outcomes and objectives. Each civil engineering program is required to have such outcomes and objectives as part of their ABET accreditation.

## PART V ASCE STUDENT ORGANIZATION ADVISOR EVALUATION AND AWARD NOMINATION

There is often a correlation between a successful ASCE Student Organization and an active, involved advisor. It is your ASCE Student Organization's responsibility to advise the Committee on Student Activities on the effectiveness – as well as the ineffectiveness – of your Faculty and Practitioner Advisors. The Evaluation of Advisory Personnel form found on page 15 must be completed by the ASCE Student Organization. This evaluation form should be submitted at the same time as the annual report but sealed in a separate envelope.

In an effort to recognize and reward the dedication required to be an ASCE advisor, the Committee on Student Activities offers Advisor Awards based on nominations received from students. If your ASCE Student Organization would like to nominate your Faculty Advisor and/or Practitioner Advisor for Society-level recognition, please complete the nomination form found on page 16. One nomination form must be completed for each person being nominated. **Please note that submission of the Evaluation of Advisory Personnel form is not considered a nomination.** Completed nominations should be included with the advisory personnel evaluation in a sealed envelope and submitted with the ASCE Student Organization Annual Report. (It should not be included as an attachment to the report as required in past years.)

Nominations will be reviewed with the annual report, and special recognition will be given to those Faculty Advisors and Practitioner Advisors who have significantly contributed to the success of an ASCE Student Organization. "ASCE Advisor of the Year" awards will be made to the top advisors nominated. If you are nominating your Advisor please take the time to prepare a complete write-up of your thoughts and experiences with this Advisor. A well thought out and prepared nomination is very important.

#### PART VI - STATISTICAL INPUT

The information requested in this section is drawn from the numbers your ASCE Student Organization reports in Parts I & II. A review committee will compute scores using the Review & Rating Sheet located on page 12. Use the review and rating sheet as a guide to see which direction your ASCE Student Organization could develop.

Please refer to Parts I and II of the report to <u>fill in the required information below</u>. The location of the required information within the report is noted. Also included below are CSA comments (in italics) relative to each review/rating item. The CSA encourages you to consider these comments when setting goals and planning activities for your ASCE Student Organization.

For informational purposes only:
Has your ASCE Student Organization collaborated with other student organizations on your campus in the last 12 months? X Yes No
If yes, please indicate which organizations: <u>Steel Ring, Chi Epsilon, Engineering Student Council, Institute of Transportation Engineers</u>
Recorded in Part I. C. (Page 2)  1. a. (Total Jr. & Sr. ASCE Student Organization Members) ÷ (Total Jr. & Sr. Eligible) = 64.7%
b. (Total Society-level Student Members) ÷ (Total Local Student Members) = 66.4%
Membership numbers are impressive but remember that there is always growth potential. Encourage local members to become Society-level ASCE members. Society-level membership allows your members to take advantage of the same valuable benefits available to civil engineering professionals. Invite local Section/Branch members, faculty, and practitioners to speak on the importance of professional membership and what employers are looking for on the resumes of graduates.
Recorded in Part I. E. (Pages 3-4) 2. Number of Professional Meetings 10
You can work with your current membership, Department Chair/Head and faculty, local Section/Branch leadership, and Faculty/Practitioner Advisors to bring in professionals who will be willing to share their experiences with you.
3. Number of student talks or papers at ASCE Student Organization meetings7
It is always a good idea to have student members discuss their internship/summer work experiences. They can present design project results as well. Meetings consisting of well prepared student presentations are usually quite interesting.
4. Number of meetings with Licensure/Ethics programs
This is an oft-overlooked item. See if you can find someone local that has been faced with a moral/ethical dilemma in an engineering setting and ask them to speak on the topic. It can really get the students talking and thinking about ethical behavior. Another suggestion might be to ask a local professional engineer (PE) to join one of your meetings and speak on the importance of registration and the steps involved to becoming licensed in your state.
5. Number of ASCE Student Organization sponsored field trips
Try connecting with faculty that organizes class field trips. If you can open a trip up to all ASCE students, then you can count it as an ASCE field trip. Remember that field trips are an excellent way to tie classroom knowledge to real-life projects that your chapter members will soon be working on.
6. Number of ASCE Student Organization sponsored social functions4
Social activities are a great way to introduce your current members and ASCE Student Organization

activities to faculty, Section/Branch members, new freshman, and community college transfer students. Always remember that a primary objective of your ASCE Student Organization should be to have fun!

7. (Average Meeting Attendance) ÷ (Total Local Student Members) =66.7%
A key to a successful ASCE Student Organization is getting as many people involved as possible. The ASCE Student Organization officers are often relied upon to do a bulk of the work. The more members you have attending meetings, the greater opportunity for committee development and sharing of responsibilities.
8. Did your ASCE Student Organization host at least one ASCE Section/Branch/Technical group meeting? (Yes or No)
A partnership between your ASCE Student Organization and the local Section/Branch is a great way for your membership to meet local professionals with common career interests. This activity could involve a social activity (i.e. BBQ, softball game, etc.) to attract more attendees.
9. Number of students who attended an ASCE Section/Branch/Technical group meeting81
If you show up at Section/Branch meetings, all sorts of good things can happen. Section/Branch members will likely feel more kindly about providing funding, speakers, field trips, and other forms of support. Students can also make contacts that will lead to employment. You should consider hosting!
Recorded in Part II. A. (Page 5)  10. Number of representatives that attended the ASCE Student Conference 44
Remember that there is more to Student Conferences than the competitions. It is a great place to trade ideas with other schools and to make friends that may have an influence on your career in the future. It is good to send as many members as possible. Many schools have student members pay some or all of their travel expenses so that they can take even more team members.
11.a. Did your ASCE Student Organization send student representation to the WSCL? (Yes r No)
b. Did your ASCE Student Organization send Advisory (Faculty or Practitioner) representation to the WSCL?  (Yes (No)
The WSCL is an extremely valuable ASCE Society-level event that benefits your program directly. Send as many of the officers as you can, and make sure that your faculty and practitioner advisors understand the importance of their participation as well. This is where you learn what ASCE is all about and gain tools for making your ASCE Student Organization the most effective that it can be.
Recorded in Part II. B. (Page 5)  12.a. Number of ASCE Student Organization Newsletter issues published 12
b. Does the ASCE Student Organization maintain a homepage? (Yes or No)
Newsletters and web sites work together to keep your members and benefactors informed as to what you are doing. Newsletters help remind people to check out your web site. Your web site, if well maintained, can provide the latest information about activities. The combination can really make a difference. Electronic distribution of newsletters is acceptable. However, email announcements do not constitute a newsletter.

13. Number of presentations by an ASCE Student Member made outside an ASCE Student Organization Meeting \_\_\_\_1\_\_\_

Check into making presentations to your local Section/Branch or to local civic groups. You can talk about your performance at Student Conference, special projects, etc. Also, sharing your ASCE Student Organization activities with local elementary, middle-school, and high school youth is a great way to share information on your college and future profession. Many opportunities exist – investigate! Remember that speaking outside the ASCE Student Organization represents an excellent marketing/promotion opportunity. Plus, the individual speakers learn and practice valuable communication skills.

#### Recorded in Part II. D. (Page 6)

14. Did a member of your ASCE Student Organization submit a Mead Paper to ASCE HQ? (Yes or N



This is a wonderful opportunity to explore engineering ethics topics that are overlooked by the vast majority of the ASCE Student Organizations. Check out the paper competition rules and topic on the ASCE web site at http://www.asce.org/students.

#### Recorded in Part II. E. (Page 6)

- 15.a. Number of student members attending ASCE Society-level Events 4
  - b. Did your Faculty Advisor attend? Yes r No)

The ASCE Annual Conference is an excellent opportunity for ASCE Student Organization members to participate in technical sessions, field trips, and Younger Member activities while meeting and networking with students, faculty, and industry professionals from around the world.

#### Recorded in Part II. F. (Page 6)

16.a. Did your Faculty Advisor attend a Practitioner & Faculty Advisor Training Workshop?



b. Did one of your Practitioner Advisors attend a Practitioner & Faculty Advisor Training Workshop?



The Practitioner & Faculty Advisor Training Workshop (PFATW) is a great opportunity for ASCE Advisors to participate in a community with other advisors, where they can impart the value and purpose of ASCE Student Organizations and receive tools useful in making their student chapter function.

#### **Report Attachments**

#### Table of Contents

Please attach additional information requested throughout the report in an organized manner. Attachments A-F should consist of the information stated below. Please fill in the page number of the report where the information is located.

Attachment	<u>Description</u>	Page
A	Local & Society-level Member List(s)	15
В	Sample Meeting Announcements, Programs, Agendas, etc.	19
С	Sample Newsletter and/or Print out of Web site	25
D	Activity Highlights (One-page Write-ups of Activities)	32
Е	Special Projects Reports	40
F	Objectives	44

# Attachment A

Local and National Member Lists

#### Kansas State University Local ASCE Student Members

Borden, Antoine	Fr	Miller, Addison	Ju	Spicer, Rachel	So
Collingwood, Andrew	Fr	Miller, Addison	Ju	Summerfeld, Josh	So
Conner, Josh	Fr	Mills, Logan	Ju	Wasko, Aaron	So
Drilling, Ryan	Fr	Murphy, Jerome	Ju	Willis, Nathan	So
Espinoza, Miquel	Fr	Perlchun, Kyle	Ju	Wilson, Andrew	So
Gedafa, Daba	Fr	Philibrick, Ariel	Ju	Albritton, Shane	Sr
Gray, Jacob	Fr	Rallabandi, Abhiteja	Ju	Alsawady, Yoseph	Sr
Greer, Tom	Fr	Ratnayake, Liyange	Ju	Attwood, TJ	Sr
Heavener, Brandon	Fr	Schritchfield, Wayne	Ju	Attwood, TJ	Sr
Hennes, Jessica	Fr	Spicer, Jon	Ju	Austin, Stephen	Sr
Hoyt, Dustin	Fr	Stutz, Jonathan	Ju	Austin, Stephen	Sr
Katzenmeier, Levi	Fr	Tobaben, Peter	Ju	Banka, Chad	Sr
Knight, Brian	Fr	Trammel, Abby	Ju	Banka, Chad	Sr
Lucas, Katelynne	Fr	Ummel, Tyler	Ju	Bartley, Paul	Sr
Malcolm, Tim	Fr	Ummer, Tyler	Ju	Bartly, Paul	Sr
Miles, Tyler	Fr	Varner, Jonathan	Ju	Beck, Lisa	Sr
Mugler, Mitchell	Fr	Vibbert, Justin	Ju	Berg, Kyle	Sr
Roterin, Kurt	Fr	Vincent, Tanner	Ju	Biederka, Charles	Sr
Rutschman, Tanner	Fr	Webber, John	Ju	Blackwell, Brett	Sr
Satchithanantham,		White, Laura Rachelle	Ju	Bogina, Mike	Sr
Sanjayan	Fr	Yost, Tanner	Ju	Boomer, Kyle	Sr
Schaller, Keith	Fr	Young, Adam	Ju	Boots, Bryan	Sr
Shah, Bhavik	Fr	Dowling, Anthony	So	Bortz, Brandon	Sr
Shape, Garrett	Fr	Dull, Jacob	So	Brubaker, Briana	Sr
Swoyer, Brett	Fr	Dunitru, Nicoleta	So	Bruss, Paul	Sr
Tsao, Wei-en	Fr		So	·	Sr
Arnold, Matt	Ju	Dunaway, Trent		Bruss, Paul	Sr
Beckman, Joshua	Ju	Eubanks, Jared	So	Butler, Samantha	
Brunton, Heath	Ju	Fangman, Luke	So	Carleton, Andrew	Sr
Cassity, Patrick	Ju	Fearing, Brett	So	Carleton, Andrew	Sr
Donjua, Jose	Ju	Forbes, Robert	So Co	Carlton, Kelly	Sr C-
Dvorak, Eric	Ju	Gardner, Nick	So	Cates, Cody	Sr
Fairbairn, Sean	Ju	Harenbower, Jase	So	Charest, Chad	Sr
Fenton, Trevor	Ju	Herzog, Jacob	So	Chestnut, Allen	Sr
Fisher, Jessalyn	Ju	Hicks, Walter	So	Chestnut, Brent	Sr
Fuqua, Brandon	Ju	Johnson, Kyle	So	Clark, Eric	Sr
Grace, Matt	Ju	McKinney, Philip	So	Coltrane, Jason	Sr
Handke, John	Ju	Mealiff, Daniel	So	Cool, Kelly	Sr
Handke, John	Ju	Mizik, Paul	So	Crane, Katherine	Sr
Hershey, Kurt	Ju	Novotney, Michael	So	Dandu, Gautama	Sr
Holt, Brett	Ju	O'Dell, Jay	So	Davidson, Timothy	Sr
Howard, Kait	Ju	Post, Evan	So	Decker, Brandon	Sr
Howard, Kaitlyn	Ju	Rawson, Elizabeth	So	Denham, Billy	Sr
Huang, Chune	Ju	Roth, Jacob	So	Dewitt, Tracy	Sr
Hurshey, Kurt	Ju	Roth, Jacob	So	Dewitt, Tracy	Sr
Mellacheruvu, Sankara		Shearrer, Andrew	So	Dobbins, Terrance	Sr
Phani	Ju	Shernilazov, Chyngyz	So	Duncan, Douglas	Sr

					. I
Duskie, Drew	Sr	Martin, Erin	Sr	Smith, Mario	Sr
Engholm, Kenny	Sr	Martin, Erin	Sr	Smith, Wilson	Sr
Erving, Julius	Sr	Martinez, Alejandro	Sr	Soddard, Lance	Sr
Fairclough, Sarah	Sr	Meyer, Mike	Sr	Stevenson, Kendra	Sr
Fangman, Paul	Sr	Miller, Jared	Sr	Tast, Trevor	Sr
Ferrell, Jacob	Sr	Morin, Brandon	Sr	Tedder, Josh	Sr
Fischer, Scott	Sr	Murphy, Rob	Sr	Thorsell, Jon-Edward	Sr
Frank, Steven	Sr	Nyber, Wesley	Sr	Warren, Alicia	Sr
Franzluebbers, Adam	Sr	Owings, Paul	Sr	Whitcom, Nathan	Sr
Fundis, Jason	Sr	Petro, Mike	Sr	Woods, Patrica	Sr
Fundis, Jason	Sr	Pfanmenstiel, Trevor	Sr	Wuertz, Joseph	Sr
Gaitan, Brandy	Sr	Polydoron, Thomaida	Sr	Yahaya, Abdulrasak	Sr
Groesbeck, Raleigh	Sr	Pyles, Charles	Sr	Yahaya, Abdulrasak	Sr
Grund, Tom	Sr	Quigley, Shaun	Sr	Geiger, Brian	MS
Harris, Stephen	Sr	Rawson, Elisabeth	Sr	Goodnight, Wesley	MS
Hedstrom, Brady	Sr	Rottinghaus, Damian	Sr	Gorle, Kishore Hammerschmidt, Steve	MS MS
Heiger, Michael	Sr	Rutschman, Tanner	Sr	Hammerschmidt,	IVIO
Jost, Lucas	Sr	Schalansky, Jenna	Sr	Steven	MS
Kaiser, Stephen	Sr	Schalansky, Jenna	Sr	Holste, Joey	MS
Kerns, Kyle	Sr	Schauf, Kevin	Sr	Holste, Joseph	MS
Kuehne, Kenneth	Sr	Schmidtberger, Keith	Sr	Liu, Litao	MS
Lipscomb, Josh	Sr	Schultze, Matt	Sr	Mryyan, Mahmoud	MS
Loftus, Kyle	Sr	Sheaks, Hunter	Sr	Nagisetti, Venkata Nagulapally, Sujatha	MS MS
Loftus, Kyle	Sr	Sheedy, Patrick	Sr	Onyango, Mbakisya	MS
Louk, Brett	Sr	Sixbury, Amanda	Sr	Qiao, Long	MS
Louk, Brett	Sr	Slupianek, Allyson	Sr	Thomas, Jeremiah	MS
Manandhar, Chandra	Sr	Slupianek, Allyson	Sr		

#### Kansas State University National ASCE Student Members

<u>Student</u>	<u>Member</u> <u>ID</u>	<u>Student</u>	<u>Member</u> <u>ID</u>	<u>Student</u>	Member ID
Arnold, Matt	495627	Goodnight, Wesley	486924	Rallabandi,	497263
Attwood, TJ	498498	Gorle, Kishore	493532	Abhiteja	
Austin, Stephen	486797	Groesbeck, Raleigh	499278	Ratnayake, Liyange	438150
Banka, Chad	463672	Hammerschmidt,	460594	Rawson, Elizabeth	478963
Bartley, Paul	464800	Steven		Roterin, Kurt	416768
Beck, Lisa	485255	Handke, John	478959	Roth, Jacob	495628
Beckman, Joshua	419133	Harris, Stephen	487471	Rottinghaus,	464332
Berg, Kyle	452379	Hedstrom, Brady	477260	Damian	.=
Brubaker, Briana	495190	Hershey, Kurt	478957	Rutschman,	473132
Bruss, Paul	481733	Holste, Joseph	453855	Tanner Satchithanantham,	488325
Butler, Samantha	501079	Howard, Kaitlyn	481430	Sanjayan	400323
Carleton, Andrew	469077	Huang, Chune	406347	Schalansky, Jenna	498563
Carlton, Kelly	429573	Johnson, Kyle	481315	Schaller, Keith	475057
Cates, Cody	478958	Kerns, Kyle	471750	Shah, Bhavik	470159
Charest, Chad	472645	Knight, Brian	462708	Sheedy, Patrick	428559
Cool, Kelly	377714	Kuehne, Kenneth	428861	Sixbury, Amanda	481876
Davidson, Timothy	478960	Lipscomb, Josh	455737	Slupianek, Allyson	498577
Decker, Brandon	384766	Liu, Litao	501251	Smith, Wilson	461627
Dewitt, Tracy	477074	Loftus, Kyle	471166	Stevenson, Kendra	496420
Dowling, Anthony	479485	Louk, Brett	503202	Stutz, Jonathan	503521
Dumitru, Nicoleta	405810	Manandhar,	458111	Tast, Trevor	474009
Dunaway, Trent	445111	Chandra	400004	Thomas, Jeremiah	480830
Duncan, Douglas	453554	Martin, Erin	480831	Ummer, Tyler	479481
Dvorak, Eric	461626	Mellacheruvu, Sankara Phani	474795	Vincent, Tanner	483978
Erving, Julius	480227	Miller, Jared	418472	Webber, John	471873
Fairbairn, Sean	434433	Miller, Addison	470160	White, Laura	468041
Fenton, Trevor	479484	Mryyan, Mahmoud	351729	Rachelle	
Franzluebbers,	473030	Murphy, Jerome	453190	Wilson, Andrew	473907
Adam		Nagisetti, Venkata	460165	Woods, Patrica	501293
Fundis, Jason	489611	Nagulapally,	462664	Wuertz, Joseph	402102
Fuqua, Brandon	485449	Sujatha	102001	Yahaya,	470150
Gaitan, Brandy	443626	Onyango, Mbakisya	441878	Abdulrasak	
Gardner, Nick	488756	Qiao, Long	501591	Young, Adam	485320
Gedafa, Daba	451975	Quigler, Shaun	462180		
Geiger, Brian	434354	-			

# Attachment B

Sample Meeting Announcement

Sample Meeting Agenda

Sample Dinner Program

Presentation to Civil Engineering Advisory Board

Website Homepage

Below is a sample announcement that is posted throughout the Civil Engineering wing of the Engineering complex during the week of an ASCE meeting.

# CE 015 ASCE ASSEMBLY THURSDAY SEPTEMBER 11, 2008 7 PM DUF 1107

First Assembly of the semester

A sample agenda for a typical ASCE Assembly is shown below.

#### K-State ASCE Assembly

September 11, 2008 – 7:00 PM Fiedler 1107

#### Agenda

- I. Welcome and Officer Reports
  - a. Vice-President Trevor Tast
  - b. Treasurer Cody Cates
  - c. Recording Secretary Jake Ferrell
    - i. Enroll in CE 015
  - d. Corresponding Secretary Trevor Fenton
  - e. Newsletter Editor Becca Nyght
    - i. Professor Profile Dr. Kyle Riding
  - f. Historian Kenny Engholm
  - g. Stu-Co Rep Michael Heigert
  - h. Freshman/Sophmore Rep Kyle Perkuhn
  - i. Graduate Student Rep Joey Holste
  - j. Activities Chair Stephen Austin
  - k. Special Projects Chair Tyler Ummel
  - 1. Open House Chairs Nathan Willis and Kyle Merklein
  - m. Steel Bridge Chairs Chad Banka and Brady Hedstrom
  - n. Concrete Canoe Chair Amanda Sixbury
  - o. Webmaster Jason Fundis
- II. Recognition of Practitioner Advisors
  - a. Dave Karnowski
  - b. Earl Tast
  - c. Lifetime Honorary Contact Member Bob Thorn
- III. Recognition of Faculty Present
- IV. Vice President Trevor Introduction of Speaker
- V. Thank Azeena Dargis and Lucas Flax for speaking and everyone for attending.

The program from the K-State/KU/ASCE Kansas Section Joint Dinner is shown below. The event took place November 6, 2008 in the Kansas State University Student Union. 57 student representatives from K-State attended.

#### K-STATE/KU ASCE Joint Dinner November 6, 2008

6:00 - Social

#### 6:30 - Dinner

Co-Sponsored by the ASCE Kansas Section and Kansas State University Department of Civil Engineering

#### 7:00 - Welcome & Recognition of Attendees

Douglas Duncan, Kansas State University ASCE President Joe Pattison, University of Kansas ASCE President

#### 7:15 - ASCE Kansas Section, Tom Mulinazzi President

- -Introduction of Officers
- -Recognition of Honorary and Lifetime Members
- -Outstanding Senior Award Presentation
  - -University of Kansas
  - -Kansas State University
- -Other Business

#### 7:45 - Introduction of the Speaker

Trevor Tast, Kansas State University ASCE Vice-President

#### **Bob Thorn Lecture Series Speaker**

Deb Miller - Secretary of Transportation Kansas Department of Transportation

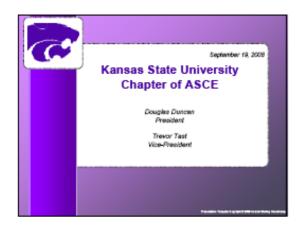


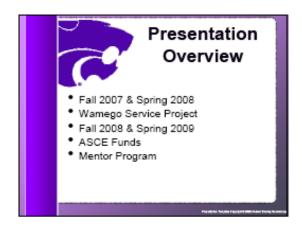
Kansas State University

Department of Civil Engineering

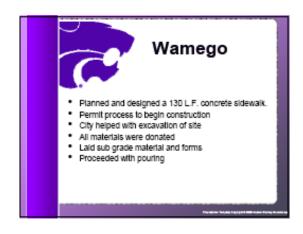


The next two (2) pages consist of a presentation that was presented to the K-State Civil Engineering Advisory Board on Date. The Advisory Board includes ten (10) practicing Civil Engineers that are responsible for setting policy and the overall direction of the Civil Engineering curriculum at Kansas State University.

























# Attachment C

Sample Newsletter

Print-out of Web Site Home Page

The following five (5) pages contain a copy of a Kansas State University ASCE Assembly newsletter.

# Welcome to



# **SCE** Assembly

#### In This Issue:

Tonight's agenda Intern Spotlight: Keith Schmidtberger

> Speaking: Azeena Dargis and Lucas Flax of Kimley Horn and Associates, Inc.

- 2 Professor Profile - Dr. Kyle Riding
- CE-015 Course Syllabus 3
- New Students
- Fall 2008 Officer's & Schedule Sudoku Answer
- Tuttle Creek Map

# Welcome Back!

		6			4			7
8	4		2				6	
								2
		2		8			1	
			3		5			
	5			7		9		
5					П			
	2				7		5	6
1			8			3		



#### September 11, 2008

#### Tonight:

#### Introductions:

Practitioner Advisors: Dave Karnowski

Earl Tast

Honorary Lifetime

Contact Member: Bob Thorn

Faculty Advisors: Dr. Melhem and Dr. Hossain

#### Officer Reports:

President: Doug Duncan Vice President: Trevor Tast Treasurer: Cody Cates Recording Secretary: Jake Ferrell Trevor Fenton Corresponding Secretary: Newsletter Editor: Becca Nyght Historian: Kenny Engholm Student Council Rep: Michael Heigert Freshman/Sophomore Rep: Kyle Perkuhni Graduate Student Rep: Joey Holste Activities Chair: Stephen Austin Special Projects Chair: Tyler Ummel Open House Chairs: Nathan Willis Kyle Merklein Steel Bridge Chairs:

Chad Banka Brady Hedstrom

> Kait Howard Erin Martin

Webmaster: Jason Fundis

Concrete Canoe Chairs:

#### Agenda:

Announcements: Doug Duncan Introduction of Speaker: Trevor Tast

Speakers: Azeena Dargis & Lucas Flax Topic: "Career Fair Tips and

Techniques"

ASICE ASSEMBLY



Dr. Kyle Riding 2136 Fiedler Hall riding@ksu.edu

I was born in Baltimore, Maryland and raised in Fresno, California. I obtained a Bachelors degree in Civil and Environmental Engineering from Brigham Young University in Provo, UT in 2002. After attending BYU, I began graduate school at the University of Texas at Austin, with an emphasis on civil engineering materials in the structural engineering group. I received my Masters of Science in Engineering degree in 2004 and my PhD in 2007 from the University of Texas at Austin. During my graduate studies at the University of Texas at Austin, I worked as a graduate research assistant on developing tools to help prevent mass concrete cracking at the Concrete Durability Center. This work received a Top Research Innovations and Findings Award from the Texas Department of Transportation in 2005. After graduation from the University of Texas at Austin, I worked for 1 year as a postdoctoral researcher at the Laboratory of Materials of Construction at the Swiss Federal Institute of Technology at Lausanne. I worked on determining the mechanism of cement early age strength enhancement by chemical admixtures.

My research focuses on how to build more durable, constructible, and cost effective concrete infrastructure by better linking material properties with their in-place performance. This includes better understanding of the interaction with structures and the environment, and developing tools to select compatible materials and construction techniques. I am very involved in the American Concrete Institute, and am an associate member of the concrete durability and early age committees. I chose to come to K-State to be able to work with some of the best students in the country, and because I really liked the city of Manhattan. I am currently teaching CE 530, Statics & Dynamics.

I am married, with two beautiful daughters. Rachel, is 4 years old, and Annie is 2 years old. I enjoy big 12 football, hiking, and canoeing.

#### CE 015: CIVIL ENGINEERING ASSEMBLY - Fall 2008

COURSE DESCRIPTION. Civil Engineering Assembly provides a broad introduction to the Civil Engineering profession. Topics covered include career opportunities in Civil Engineering, professional and ethical responsibilities of the engineer, the importance of professional licensure and the need for lifelong learning and continuing education. The course provides social activities and opportunities to develop leadership skills through involvement in the Kansas State University Student Chapter of the American Society of Civil Engineers (ASCE). CE 015 is a required, 0 credit hour course.

COURSE FOR MAT. The meetings and activities of CE 015 are planned and conducted by the officers of the K-State Student Chapter of ASCE, under the direction of the course instructors.

COURSE INSTRUCTORS. Dr. Hani Melhem, Ph.D., P.E., Professor of Civil Engineering

Phone: 532-1584, email: melhem@ksu.edu

Dr. Mustaque Hossain, Ph.D., P.E., Professor of Civil Engineering

Phone: 532-1576, email: mustak@ksu.edu

COURSE OBJECTIVES (EXPECTED OUTCOMES). The goal of CE 015 is to provide students with a broad understanding of the Civil Engineering profession. Specifically, each student is expected to develop an understanding of the following aspects of the Civil Engineering profession:

- 1. Basic areas of specialization and potential career paths in Civil Engineering.
- 2. Significant historical developments and contemporary issues in Civil Engineering.
- 3. The local and global social, economic, environmental, and public safety aspects of Civil Engineering projects.
- 4. The professional and ethical responsibilities of the engineer.
- 5. The importance of active involvement in ASCE.
- 6. The importance of professional licensure.
- 7. The need for lifelong learning and continuing education.
- 8. The importance of teamwork in engineering practice.

COURSE ASSESSMENT METHODS (GRADING). All Civil Engineering students are required to enroll in and earn credit for CE 015 in each semester of their Civil Engineering Program of Study. The penalty for failure to meet the requirements for CE 015 is the same as that of any other required course.

To earn credit for CE 015, students who are not members of the K-State Student Chapter of ASCE must attend a minimum of five CE 015 assembly meetings, or attend a minimum of four assembly meetings and actively participate in at least one of the following activities:

- 1. ASCE Concrete Canoe Team.
- 2. AS CESteel Bridge Team.
- 3. College of Engineering Open House.
- 4. "Other" activities as approved by the course instructors.

Members of the K-State Student Chapter of ASCE must attend a minimum of four CE 015 assembly meetings, or attend a minimum of three assembly meetings and actively participate in at least one of the four activities listed above.

COURSE SCHEDULE. The schedule of CE 015 meeting dates and ASCE Student Chapter activities is available at the following locations: the bulletin board in the Bruce Butler Atrium (second floor of Fiedler Hall); the ASCE

student Chapter Newsletter (available at all CE 015 meetings); and the K-State ASCEStudent Chapter website.

In addition, meeting announcements are posted throughout the College of Engineering Building Complex and other buildings frequently used by engineering students. Meeting announcements are also disseminated through electronic mailings.

ASCE ASSEMBLY

K-State Student Chapter website: www.enggksu.edu/ASCE

# Welcome, New Students!

Ian Allison Jan Baloun Charles Biederka Antione Borden Paige Bower Aaron Clemons Andrew Collingwood Josh Conner Samuel Corey Katherine Crane Billy Denham Mary Jo Bruner Terrance Dobbins Jose Donjuan Ryan Drilling Miguel Espinoza Jared Eubanks Sarah Fairclough Luke Fangman **Brett Fearing** Robert Forbes Annika French Zane Frings Rebecca Gibbs Thomas Green Jase Hartenbower Brandon Heavener Luke Hemberger Jessica Hennes Jacon Herzog Walter Hicks James Horton **Dustin Hoyt** Gerald Hutfles Nicholas Ingwersen

**Ashley James** Lucas Jost Cody Kalivoda Levi Katzenmeier Drew Kudera Samueal Leverson Jon Link Katelynne Lucas Kody Lynn **Timothy Malcolm Daniel Mealiff** Philip McKinney Tyler Lane Cannon Miles Paul Mizik Mitchell Mugler Michael Novotney Wesley Nyberg Jay O'Dell Paige Osterloo Evan Post Rebecca Rosacker Garrett Sharpe Andrew Shearrer Andrew Skradski Rachel Spicer Zachary Stueve Wei En Tsao Aaron Wasko Daniel Weger Joshua Walters Nathan Whitcomb Jay Wilbur Tanner Yost John Zuercher

#### ASCE ASSEMBLY

#### Remaining Schedule Fall 2008

September 15, 2008 Steel Bridge & Concrete Canoe BBQ at 5:30 PM Location: TBA

> September 18, 2008 \*ASCE Picnic Tuttle Creek Shelter 3 6:00 PM

September 25, 2008 \*Assembly Fiedler 1107 at 7:00 PM

October 16, 2008 \*Assembly Fiedler 1107 at 7:00 PM

October 30, 2008 \*Assembly Fiedler 1107 at 7:00 PM

November 6, 2008 \*KU/KSU Joint Dinner Location: TBA Time: 6:00 PM

November 13, 2008 \*Assembly Fiedler 1107 at 7:00 PM

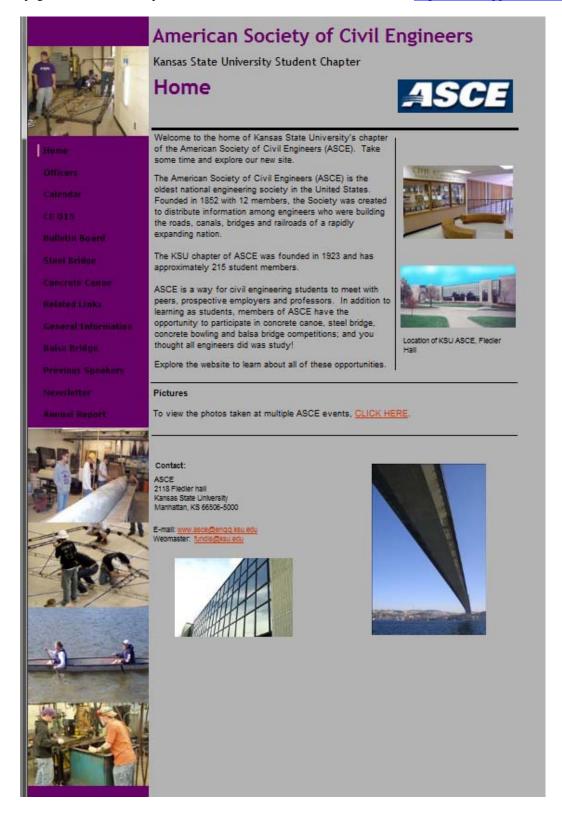
> December 4, 2008 \*Awards Banquet Location: TBA Time: TBA

December 11, 2008 \*Assembly Fiedler 1107 at 7:00 PM

OFFICE	NAME	E-MAIL
President	Doug Duncan	douglas2@ksu.edu
Vice President	Trevor Tax	tnt@ksu.edu
Treasurer	Cody Cates	ccates@ksu.edu
Corresponding Secretary	Jake Ferrell	ferrell@ksu.edu
Recording Secretary	Trevor Fenton	trevorf@ksu.edu
Newsletter Editor	Becca Nyght	rnyght@ksu.edu
Historian	Kenny Engholm	twinky20@@ksu.ed
Stu-Co Rep.	Michael Heigert	mheigert@ksu.edu
Fresh/Soph Rep.	Kyle <u>Perkuhn</u>	kperk@ksu.edu
Graduate Student Rep.	Joey Holste	joeyh@ksu.edu
Activities Chair	Stephen Austin	sma234@ksu.edu
Special Projects Chair	Tyler Ummel	ummel3@ksu.edu
Webmaster	Jason Fundis	fundis@ksu.edu
Open House Chairs	Nathan Willis	nwillis@ksu.edu
	Kyle Merklein	kyle34@ksu.edu
Concrete Canoe Chairs	Kait Howard	kait2@ksu.edu
	Erin Martin	ebm@ksu.edu
Steel Bridge Chairs	Chad Banka	cbanka@ksu.edu
	Brady Hedstrom	bradyh@ksu.edu

Feel free to send comments and suggestions for the newsletter to: <a href="mailto:rnyght@ksu.edu">rnyght@ksu.edu</a>

The homepage for our ASCE Chapter website is shown below and can be found at <a href="http://www.engg.ksu.edu/asce/">http://www.engg.ksu.edu/asce/</a>



# Attachment D

# **Activity Highlights**

Assembly

Joint Dinner

**ASCE Picnic** 

Steel Bridge

Concrete Canoe

Open House

Faculty Awards

#### **Assembly**

The K-State ASCE Student Chapter holds approximately six (6) Assembly meetings each semester. These meetings allow officers, faculty, advisors, and students to interact and learn about the profession of Civil Engineering. Five Assemblies feature industry speakers that present topics from every discipline of Civil Engineering. The final assembly each semester is devoted to the Senior Design Project Class. This Assembly allows the graduating seniors an opportunity to present their work from the semester to every age group within Civil Engineering, thereby giving younger students the chance to see where their education in the next few years will allow them to do.

Below is the list of Assembly topics that industry representatives and faculty presented during the past year:

Treatment Plant 3-D Virtual Design
Market Trends and What Employers Want
Civil Engineering in the Public Sector
BNSF Capacity Improvement: Powder River
Career Fair Tips and Techniques
Career Paths with APWA
Rebuilding Greensburg
Moveable Bridges
Passion in Engineering
KU/K-State Joint Dinner
Senior Design Project Presentation



K-State civil engineering students lining up for pizza provided by Kimley-Horn & Associates before the September  $11^{th}$  ASCE Assembly.



Students file into the Fiedler lecture hall before the September 11<sup>th</sup> ASCE Assembly.

#### **Joint Dinner**

The K-State/KU/ASCE Kansas Section Joint Dinner is an excellent opportunity for representatives from each group to interact and discuss the direction and status of the profession of Civil Engineering in Kansas. The dinner is held at the University of Kansas in the spring and at Kansas State University in the fall. Each meeting allows time for the two student chapters to discuss the status of their respective organizations, gives faculty and ASCE Kansas Section members a chance to discuss academic and professional considerations, and is followed by dinner and a speaker.

KU hosted the Spring dinner on April 3, 2008. The program included ASCE Kansas Section awards and a technical speaker for the evening.



Stephen Hammerschmidt receiving the Senior of the Year award from Kansas Section President S. Earl Tast



Members of the K-State ASCE student chapter chat during the start of the Joint Dinner.

#### **ASCE Picnic**

The K-State ASCE bi-annual picnic is one of the best ways our chapter has found to encourage student-faculty interaction in a relaxed atmosphere. The picnic is simply a cookout sponsored by ASCE that usually consists of numerous BBQ hamburgers and hotdogs, baked beans, salads, chips, cookies, and lemonade. All dues-paying ASCE student members, faculty, advisors, and staff in the Civil Engineering Department are highly encouraged to attend. Activities such as softball, volleyball, basketball, and football allow friendly competitions to culminate between faculty and students, always making for an interesting evening.



Students enjoy hamburgers and hot dogs cooked by the K-State ASCE President during the semi-annual ASCE Picnic on September 18<sup>th</sup>.



Faculty, staff, and students try to organize teams for football and softball prior to the semi-annual ASCE Picnic.

#### **Steel Bridge**

K-State's Steel Bridge Team set record marks in involvement, professional development, and ultimately performance on their way to qualifying for the national competition for the fourth year in a row. The team consisted of 26 undergraduate students representing every discipline and academic year within the Civil Engineering program. At the beginning of the year, the co-chairs set specific goals for each member to assure that the Steel Bridge Team would stress and encourage the same values ASCE stresses for its professional and student members.

Requirements to travel to each competition and participate in Steel Bridge activities were as follows:

- 1) Join ASCE as a student member at both the local and national levels.
- 2) Participate in at least one night of the college-wide telephone fundraising campaign.
- 3) Attend 75% of the team's meetings throughout the academic year.

At the regional competition in Fayetteville, Arkansas, the team placed second out of 13 colleges and universities in the Mid-Continent Region, qualifying the team for the national competition. Following nearly 100 person-hours of modifications and building practice, the team placed 14<sup>th</sup> in a field of 45 at the national competition in Gainesville, Florida over the Memorial Day weekend.



Bridge Load testing during the Regional Competition in Fayetteville, Arkansas



Steel Bridge Team after 2<sup>nd</sup> Place Finish at Regional Competition in Fayetteville, Arkansas on April 17<sup>th</sup>.

#### **Concrete Canoe Team**

The KSU Concrete Canoe Team is a student led club within the KSU student chapter of ASCE. Members of the team worked all year to design and create a canoe to race and be judged at the regional competition. Concrete Canoe gives students hands on experience in problem solving, time management, design, leadership, and teamwork. The team is also a way for students to get involved, bond with their classmates, and have fun representing the College of Engineering. At the regional competition, the canoe is judged on aesthetics, speed, and maneuverability. The team is judged on a technical paper, oral presentation, and team spirit. This year's regional competition was held at the University of Arkansas in Fayetteville. A new type of canoe design was used to help improve the racing ability of the team. A foam mold and a unique staining design were used to help improve the overall aesthetics of the canoe. The extra time and effort put into the technical paper, display, presentation, and canoe earned the team a 3<sup>rd</sup> place finish at the regional competition. While it was not enough to send the team to the national competition, the canoe team is on track for even more improved success in the future.



The CATAquatic logo on the inside of the canoe.



The four person race getting ready at the starting line.



The 2008 Concrete Canoe Team on race day in Fayetteville, AR.

#### **Open House**

Kansas State University's Open House allows the ASCE Student Chapter to display its involvement in the Civil Engineering Department by setting up and operating booths, displays, and projects. Professional societies, alumni, prospective students, industry representatives, and the general public are all present for the daylong event that sees 10,000 people enter our engineering complex on campus. Two chairpersons are selected each fall to organize the event in accordance with the rules governing the display requirements, set-up times, and locations.

Last year, the Civil Engineering department had many displays that informed guest of recent problems that civil engineers are facing. The Freshmen/Sophomore display explained possible solutions for rebuilding Greensburg, KS. Another display focused on mitigating beach erosion and other coastal problems that are prevalent with the rising sea levels. Play Dough was used in another display for guests to construct a dam that held back water. This demonstration stressed the importance of an adequate levee system for the future of New Orleans. The last of the main displays was titled "New Urbanism." This term refers to the futuristic design of cities to make them less dependent on vehicles.

K-State Civil Engineering also sponsors a Balsa Wood Bridge Competition for high school students from around the state during this time. Competitors design and build a wooden model bridge that is loaded to failure during the peak of activities on Saturday. This event exposes high school students to a variety of Civil Engineering career paths as the competitors walk through the department while they are waiting for a turn at the competition.



Students work to build displays for the Engineering Open House.



Steel Bridge displayed their competition bridge during the Open House

#### **Faculty Awards**

The ASCE Student Chapter sponsors a faculty award per academic year. Nomination forms are available to all students through e-mail or the department office to vote for each award. The ASCE Outstanding Faculty Award is used to recognize professors that show genuine interest in student activities, academics, and overall student success. The form below was used to determine the winner of the award during the past year.

Na	me of Faculty				-
1.	How do you rat	e this perso	n's relationshi	p with his/he	r students?
	Very Bad 1	2	3	4	Very Good 5
2.	How do you rat	e this perso	n's teaching s	tyle and orga	anization?
	Very Bad 1	2	3	4	Very Good 5
3.	How do you rat Engineering De			y and level of	activity within the Civil
	Very Bad 1	2	3	4	Very Good 5
4.	How do you rat activities (Steel				and other student
	Very Bad 1	2	3	4	Very Good 5
5.	How do you rat	e this perso	on as a commu	unicator of kn	owledge to students?
	Very Bad 1	2	3	4	Very Good 5
6.	How do you rat	e the availa	bility (office ho	ours, walk-in,	e-mail, etc.) of this pers
	Very Bad 1	2	3	4	Very Good 5
7.	If given a choic enroll in the cla				e class, would you try to
	YE	S		NO	
8.	Do you feel this knowledge?	person car	res about how	much you le	arn and the depth of that
	YE	S		NO	
	ease include spe utstanding Faculi		ents as to why	you think thi	s person should receive
_					

# Attachment E

# Special Project Report

Wamego Sidewalk

#### SPECIAL PROJECTS REPORT COVER SHEET

Project Title: Wamego Sidewalk

Number of Students Who Worked on the Project: 30

Number of Person-Hours Spent on the Project: 50

Percent of ASCE Student Organization Membership Who Worked on the Project: 20%

Student Organization goals and objectives that were addressed during the course of this project:

Our main goal for this project was to enhance our students understanding of the process for design submittal. Another goal that we set for this project was to have at least 15% involvement from our chapter as we worked on a real life design and construction project.

Briefly describe the engineering component of this project:

It was a good project. It worked all parts of the Design Build concept. We went through and made a design and presented it to the City. They critiqued it then we went and got the permits to do the project. After getting the permits the project required scheduling to get the project done in a timely matter. It also had a deadline. If we weren't finished by the end of the semester it would likely sit that way till fall.

#### Project Abstract:

All in all we think that the project was a success. All parties involved are happy with the turn out of the project. We also had benchmarks made with the date and the KSU ASCE logo to show who did it. We did this in the hope that we can have someone in the future admire our work and ask our help in helping them.

What can be done to improve this activity or project?

The carpool -- It did seem that having the project in Wamego did hurt the amount of volunteers that we could have had there. Other then that I was happy with the way the project went.

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- Figure 1 Sidewalk Landscape Prior to Construction
- Figure 2 Students Prepare the Site by Leveling the Base Material
- Figure 3 Students Pour and Screed Concrete to Match Existing Surface Elevation
- Figure 4 The Words KSU ASCE were Placed in the Final Concrete Stone



Figure 1: Sidewalk Landscape Prior to Construction



Figure 2: Students Prepare the Site by Leveling the Base Material



Figure 3: Students Pour and Screed Concrete to Match Existing Surface Elevation



Figure 4: The Words KSU ASCE were Placed in the Final Concrete Stone

# Attachment F

Objectives

#### **Objectives**

Our ASCE Student Chapter had four main goals during the past year:

Look for new volunteer opportunities.

Continue to improve ASCE record keeping.

Improve involvement within chapter by 5%.

Improve involvement with faculty, employees, and Kansas Section of ASCE.

These goals are relatively hard to quantify; however, our officers, feel that significant progress has been made in each of these goal areas.

Look for new volunteer opportunities.

Our ASCE chapter is constantly looking for ways to get involved with the community which includes service projects of various types. This spring we were able to work in the city of Wamego, Kansas and work on a concrete sidewalk that led to a boat ramp. This project took all of the Spring 2008 semester and was great experience for all of the people who were involved. In the fall we looked for other opportunities to get involved again. Several possibilities have come up but nothing concrete will be done until Spring 2009.

Continue to improve ASCE record keeping.

The officer notebooks are still doing their job of getting information passed onto the incoming officer. We are still looking at new ways to retain information and to organize it better. We are exploring technological ideas of using the campus servers and online documentation for these purposes. More research needs to be done before we can implement either of these ideas.

Improve involvement within the Chapter by 5%.

Overall attendance and involvement with the chapter is growing but only by 3%. The fall 2008 semester had a large freshman class and the increase can be attributed to this. Also, we are always looking at new ways of getting people involved with the chapter. Each semester we have an ASCE picnic and have seen a large amount of people attending these. Our other activities such as Steel Bridge, Concrete Canoe, and Open House have seen record numbers of people participating in them as well. New events are always being looked at and planned to help increase the overall involvement with the chapter.

Improve involvement with faculty, employers, and the Kansas Section of ASCE.

There has always been talk to improving relations with everyone not directly involved with the happenings inside the Kansas State University Student Chapter and we are making progress with this. Faculty attendance to the meetings has been up this past year and employers are still knocking at the door to come and speak. As for the Kansas Section, we are still working on ways to get them more involved and will continue to work on that in the future. We would like to have some of the Kansas Section Members and Younger Members attend our meetings and are looking at ways to make this possible.