



THE UNIVERSITY OF KANSAS

January 22, 2015

Mid-Continent Student Conference Participants,

The University of Kansas and its ASCE chapter are looking forward to hosting you for the 2015 Mid-Continent Student Conference. We are about 3 months away from competition time, so I hope all your teams are well on their way and getting prepared to compete!

This is the second of the three mailers that you will be receiving concerning the 2015 MCSC. **Please do not delete this mailer!** This document contains valuable information that may not be repeated in future mailers. The information enclosed in this mailer includes:

- Mailer II Receipt Confirmation
- Deadline/Agenda update
- School Registration and Fee Information
- Student Registration and Fee Information
- Competition rules (Steel Bridge, Concrete Canoe, and Geowall)
- Campus Map

Please confirm that you have received this mailer by mailing, faxing, or emailing the enclosed form by February 5, 2015. The dates of the conference are April 23-25, 2015. If there are any questions, concerns or comments about the 2015 MCSC or any of the information enclosed in this mailer, please do not hesitate to contact us. We will do our very best to help with any of your questions and/or concerns. You can also find additional information as well as ask questions on our Conference website:

<http://www.ascemcsc.wix.com/2015>

We look forward to seeing you in April!

Sincerely,

Julia A. Dury
2015 Mid-Continent Student Conference Chair



MAILER II RECEIPT CONFIRMATION

FAX:

(785) 864-5631 (SUBJECT: KU MCSC)

MAIL:

KU ASCE
2150 Learned Hall
1530 W. 15th Street.
Lawrence, KS 66045

E-MAIL:

Julia Dury (Conference Chair)

asce.mcsc@gmail.com

Please print or type the information in this form.

School Name: _____

Faculty Advisor: _____

F.A. Contact Info: _____

Student Conference Contact (Chapter President, Conference Chair, etc.)

Name (First, Last)

Phone no. (###-###-####)

E-mail address

Please return by February 5th.

This confirms that our university has received Mailer II for the 2015 Student Conference.



DEADLINE INFORMATION

Dates

November 8	Mailer Receipt Confirmation Completed Parking Pass Estimates and Steel Bridge Judge Information
December 6	School Registration Completed
January 31	School Registration Fee Due**Extended to February 21**
February 21	Student Registration Fee Due
March 1	National Daniel W. Mead Paper Due
April 3	Technical Competition Paper, Concrete Canoe Design Report, and Geowall Design Report Due.
April 9	Late Registration Closes
April 23-25	Student Conference

Receipt Dates

October 15	Mailer I
January 22	Mailer II (maps, updates)
March 3	Mailer III (final schedule, parking passes, updates)

**Important updates will be emailed to all schools.*



CONFERENCE AGENDA

THURSDAY		
23-Apr		
6:00 pm - 9:00 pm	Bridge Set-Up	Lied Center
7:30 pm - 8:00 pm	Judges Meeting	
8:00 pm - 8:30 pm	Captains Meeting	
FRIDAY		
24-Apr		
7:30 am - 8:00 am	Aesthetics	Lied Center
8:00 am - 5:30 pm	Bridge Competition	
11:30am - 1:00 pm	Lunch	
8:00 am - 10:00 am	Canoe Set-Up	Lied Center Grounds
10:00 am - 2:00 pm	Canoe Display/Swamp Tank	
9:00 am - 11:30 am	Technical Paper	DOLE Center for Politics
2:00 pm - 5:00 pm	CC Presentations	
7:00 pm - ...	Social Event	South Park
SATURDAY		
25-Apr		
7:00 - 7:30	Unload	Lonestar Lake
7:30 - 8:00	Captains Meeting	
8:00 - 4:00	Races	
12:00 - 1:00	Lunch	
12:30 pm - 1:30 pm	Concrete Bowling	
2:00 - 4:00	Geowall Competition	Knights of Columbus Hall
6:00 - 6:30	Business Meeting	
6:30 - 8:00	Banquet/Awards	



CONFERENCE REGISTRATION AND FEES

School Registration

The School Registration Fee is **\$50** per school. School Registration has already been submitted online. A document will be accessible on our website (<http://www.ascemcsc.wix.com/2015>) that shows which event(s) each school has registered to participate in and if we have received your registration fee. Please verify your schools registration to make sure we have the correct information. If something needs to be changed, please notify us via email (asce.mcsc@gmail.com) or on the questions page located on the website.

Student Registration

Student Registration will also be attached with this mailer. An Excel document has been made for you to download and fill out. This document then can be emailed to asce.mcsc@gmail.com. The Student Registration Fee will once again be **\$35** per student. If a student is attending the competition but not competing, they will still need to register to be able to get a name tag, t-shirt, and food. For students with any dietary needs or special accommodations, there will be a place located on the student registration document for you to let us know about them. If a student would like to register to attend after the February 21st deadline, a \$5 late registration fee will be assessed. This student will have to be registered by contacting us and sending in their registration fee of \$40.

Payment

Both the School Registration Fee and the Student Registration Fees will be collected through checks. On the Student Registration Excel document, if you are paying your fees at the same time (we have extended the school fee deadline to coincide with the student fee deadline for easier payment) fill in “50” under School fee in the calculation box on the right side. If you have already paid the school fee, type in “paid”. It will automatically fill in the total cost for how many students you are registering and the sum is what you will need to pay. **The check needs to be written to “KU ASCE” with “MCSC” in the memo** and mailed to:

KU ASCE
2150 Learned Hall
1530 W. 15th Street.
Lawrence, KS 66045



STEEL BRIDGE

The Mid-Continent Steel Bridge Competition will be following the 2015 AISC National Competition Rules. The website for the AISC National Student Steel Bridge Competition Rules is located at:

<http://www.aisc.org/WorkArea/showcontent.aspx?id=21576>

CONCRETE CANOE

The Mid-Continent Concrete Canoe Competition will be following the 2015 ASCE National Concrete Canoe Competition Rules. The website for the 2015 ASCE NCCC Rules and Regulations are located at the following link:

http://www.asce.org/uploadedFiles/Membership_and_Communities/Student_Chapters/Concrete_Canoe/Content_Pieces/nccc-rules-and-regulations.pdf

Five compact discs (CDs) containing electronic copies of the Design Paper and the Engineer's Notebook are due no later than April 3, 2015. The electronic copy of the Design Paper and Notebook shall be provided as separate documents in PDF format and copied onto the CD. The Concrete Mixture Design Tables are to be provided in Microsoft Excel format. These CDs should be mailed to:

KU ASCE
2150 Learned Hall
1530 W. 15th Street.
Lawrence, KS 66045

A copy of the Design Paper shall also be provided in a document file of the word processing program used (such as Microsoft Word, Microsoft Publisher, etc.). The files shall not be password protected and should be emailed to asce.mcsc@gmail.com by April 3, 2015 as well. Please include your school name and Concrete Canoe Paper in the subject line.

If you have any more formatting questions, please see the rules above, or email the conference committee with your specific inquiry. Please note that failure to submit these documents on time may result in disqualification from the competition.



GEOWALL

The Mid-Continent Geowall Competition will be following the 2015 ASCE National Geowall Competition Rules. The website for the 2015 ASCE Geowall Competition Rules and Regulations are located at the following link:

http://media.wix.com/ugd/c513e9_5531615605294a78a57861f126c1e4c9.pdf

(Please note that the dates on this document correspond with the National Competition, not the Regional.)

The design report for the Geowall Competition will be due by April 3rd, 2015. Send an electronic copy to Julia Dury at asce.mcsc@gmail.com. Include your school name and Geowall Paper in the subject line.



TECHNICAL PAPER PRESENTATION COMPETITION

This year's technical paper will use the 2015 National Daniel W. Mead Student Contest topic.

TOPIC:

"Should the Engineer of Record (who has sealed a set of plans) be held responsible, to any degree, for injury or death to builders or bystanders that occurs during the construction of his/her design?"

The following can be used to stimulate, but should in no way limit, the discussion:

An engineer's prime focus is safety of design, but safety concerns may sometimes be limited to the end-product users without additional care taken for the safety of the builders. While constructability is typically a factor in design, safety of individuals during the construction is usually considering a Contractor's Issue.

Recently, Engineers and Architects have been severely criticized for the "human costs" of building their projects, despite these designers having no influence during the construction stages. The incidence of human costs differs greatly, yet is often higher with the most innovative and cutting edge designs.

Should an Engineer assume and be held accountable for the safety of construction of their design plans, despite having no control after placing his or her Seal? If so, to what degree?

Does this responsibility change if no Contractor negligence has been proven?

What are the ethical implications of holding or not holding Engineers accountable?

How does the ASCE Code of Ethics address this topic?

How have the courts handled these issues in case studies? Should there be changes to
the laws?

What is the appropriate ethical stance in regards to the concept of Prevention Through Design?



TECHNICAL PAPER PRESENTATION COMPETITION - RULES

1. Papers are not to exceed 2,000 words in length, must be written by only one person, and should not have appeared in any publications other than in school or chapter publications.

Reference citations of the papers should conform to official ASCE Journal Submission Guidelines, which can be found on the ASCE Publications website:

<http://www.asce.org/Audience/Authors,--Editors/Journals/Authors/Resources-for-Authors/>

Entries for the contest shall be limited to one paper from each ASCE or AEI Student Organization and must be submitted through the Faculty Advisor.

A complete bibliography should also be included, if appropriate.

2. Authors must be undergraduate students, Student Organization members in good standing, and ASCE and/or AEI members in good standing at the time of submission and at the time the award is made to be considered. Entries should include a cover letter from the Faculty Advisor stating the name, ASCE/AEI member ID number, mailing address, phone number, and e-mail of the paper's author.
3. One electronic copy of the paper should be submitted to Julia Dury at asce.mcsc@gmail.com. Papers must be received by April 3, 2015.
4. Each author will be expected to make a 5-minute* oral presentation on the paper. Up to five minutes of questioning by the judges will be allotted following each presentation. (*Allowance of + or – 5 seconds without penalty.)
5. The paper portion of the competition constitutes 50% of the final score, while the oral presentation accounts for the remaining 50% of the score. A detailed breakdown of the scoring procedure is outlined on the scoring summary sheet.

SELECTION:

Winners will be selected by a panel of at least three (3) judges to be identified by the host school. Prizes for winners are as follows:

- 1st Place - \$400
- 2nd Place - \$200
- 3rd Place - \$100



PAPER PRESENTATION COMPETITION SCORING SUMMARY SHEET

Author's Name: _____

Date: _____

ASCE Student Organization Represented: _____

Paper Scoring Criteria	Score
1. Adherence to topic	/10
2. Presence of original ideas and research involved	/10
3. Command of subject matter	/10
4. Spelling and grammar/ length (2000 word maximum)	/5
5. Overall clarity, organization, quality of paper and references	/15
Paper Sub Total	/50

Presentation Scoring Criteria	Score
1. Degree to which presentation addressed and supported key concepts of written paper and theme of contest	/10
2. Ability to communicate key concepts from written paper and to convince audience of their importance	/25
3. Personal bearing (i.e. appearance, poise, eye contact)	/5
4. Delivery style (i.e. reading, memorized, conversational) / pronunciation and proper use of technical language and grammar / enthusiasm and voice projection	/5
5. Time (5 minutes +/- 5 seconds) (beyond 5-second allowance: 0.05 point penalty per second difference from required 5 minutes, i.e. 5:20 or 4:40 = 1 point penalty)	/5
6. Errors in logic or facts (up to 10 point penalty)	() Penalty
Presentation sub total	/50
Paper sub total	/50
Overall Score	/100



CONCRETE BOWLING COMPETITION

Objectives

Design and construct a concrete bowling ball that is practical, durable, and aesthetically pleasing.

Participants

- Each school may only enter one team.
- Each team must have at least two members, but no more than five.
- Each team member must be a registered participant of the Mid-Continent Regional

The event will consist of two parts: the bowling ball design and a bowling competition. Each team will bowl in five combined frames (a maximum of eleven bowls in the case of striking or sparing in the fifth frame). The bowling ball must be able to perform in all frames of the competition; if the ball cannot perform then the team will be disqualified from the bowling competition.

GENERAL RULES

Bowling Ball Design (60 points total)

1. Dimensions and Construction (failure to comply results in automatic DQ)

- a. The ball's **circumference** must be between 26.5" and 30.0".
- b. The ball must be spherical (Judges discretion).
- c. The ball shall weigh no more than 16 pounds.

2. Mix Design (30 points)

- a. The mix design is at the discretion of the school
- b. A concrete mix table must be submitted by April 3rd, 2015 to asce.mcsc@gmail.com
- c. Each team will be judged on creativity.
- d. No resins or epoxies may be used.
- e. The ball must be solid concrete.
- f. Reinforcement may be used; however, none shall be exposed prior to competition. Exposure due to breakage is allowable.

3. Durability (30 points)

- a. Bowling balls will be weighed before and after the bowling competition. For every 1% of total weight lost from each ball, ½ point will be deducted. If a ball loses more than 20% of its total weight, the team will be disqualified from the event.
- b. The ball must be able to perform in all frames of game play. A damaged ball may be used after the first roll, but it must roll to the pins (no throwing).



4. Aesthetics (15 points)

- a. Each team should establish a theme to be portrayed through the aesthetics of the ball.
- b. This will be judged at the beginning of the competition; the specifics of this scoring will be left to the discretion of each individual judge.
- c. Any theme of aesthetics found to be offensive will result in automatic disqualification.

Bowling Competition (40 points)

1. Standard bowling rules will apply. Progress of Play and Scoring can be found at:

<http://www.pba.com/Resources/Bowling101/>

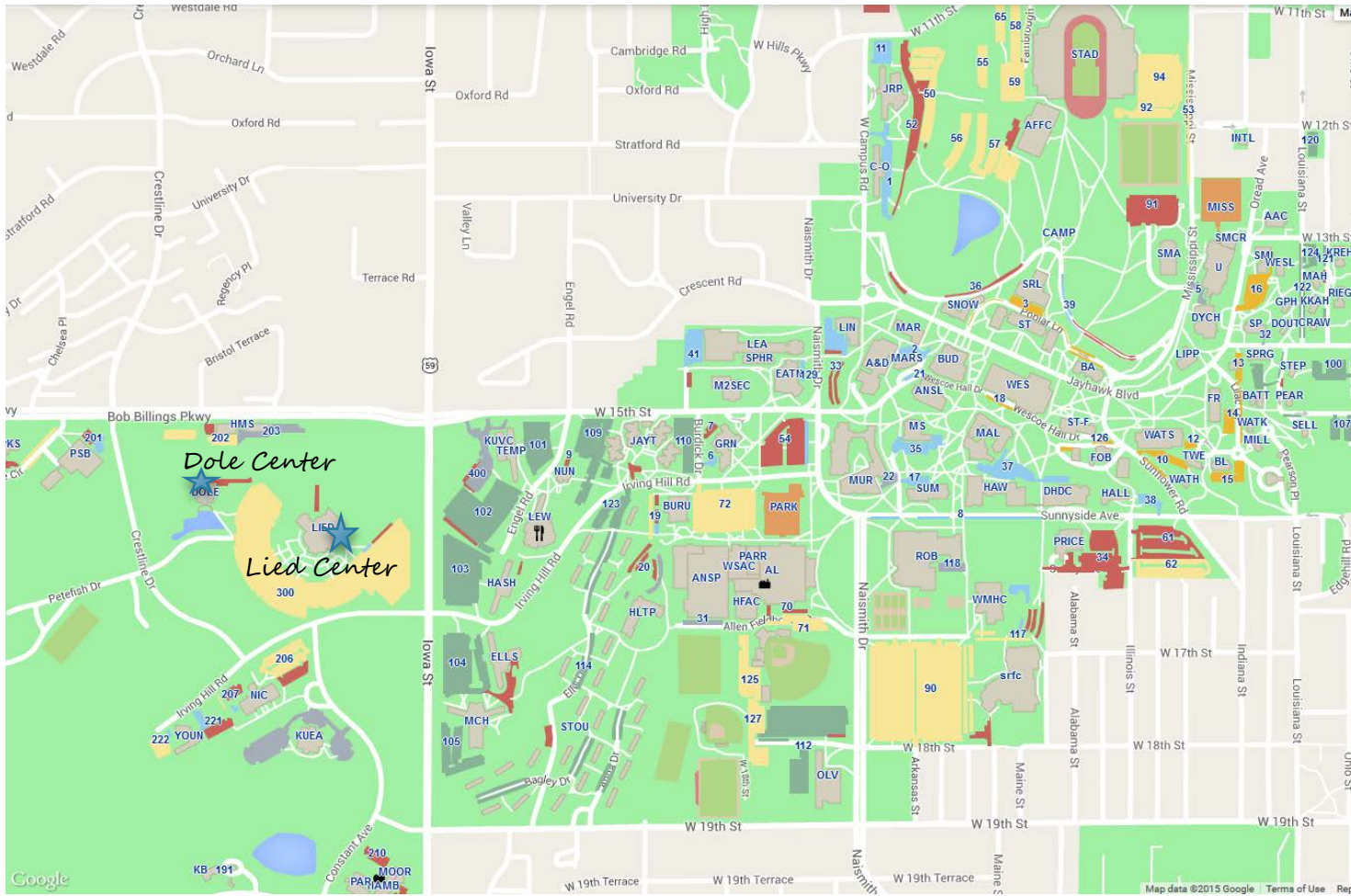
2. Each team will have a combined 5 frames, for a maximum of eleven bowls (in case of a spare or strike in the fifth frame).
 - a. When a person starts a frame, they must finish that frame.
 - b. Each team member must bowl at least one frame.
3. Standard bowling pins will be used, and the alley will be grass. The lane will be 40' long from the foul line to the head pin. The approach will be 15' long and end at the foul line.



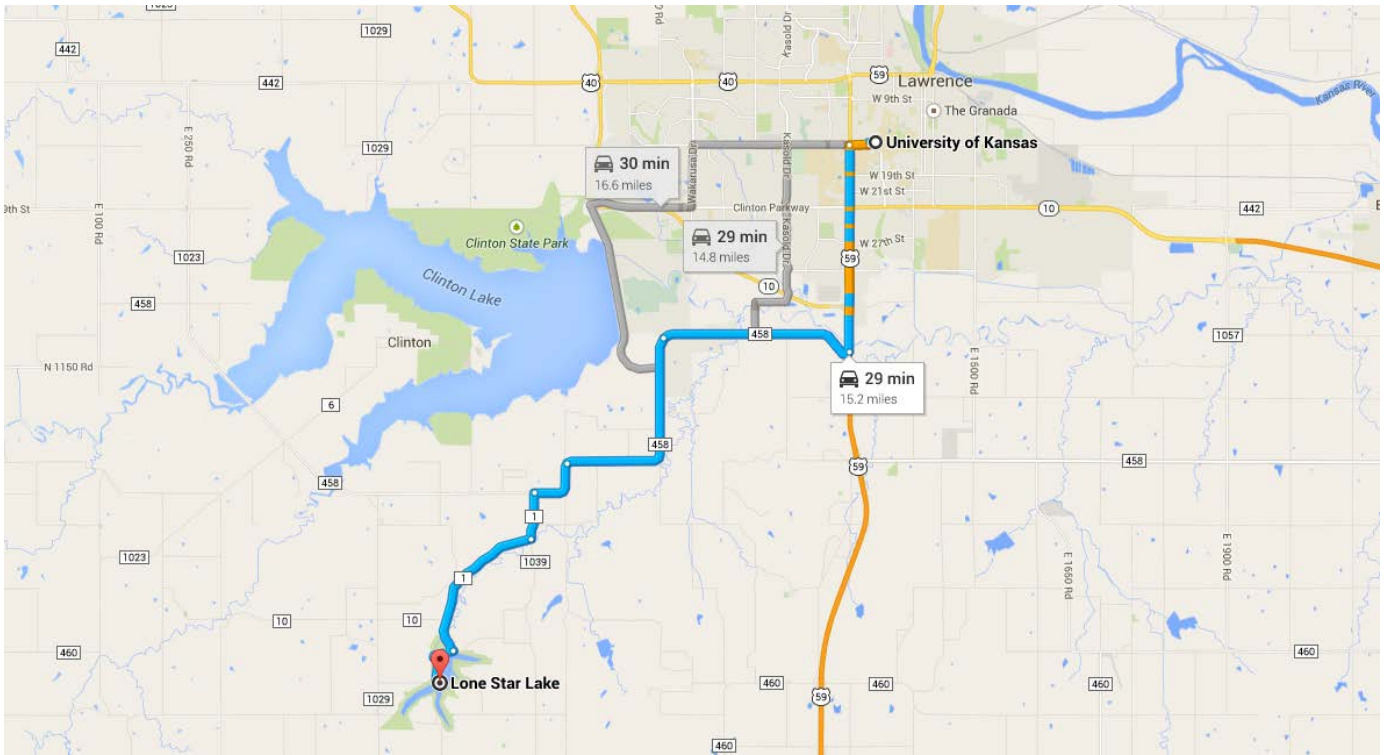
2014 MID-CONTINENT STUDENT CONFERENCE

University of Kansas

KANSAS UNIVERSITY CAMPUS MAP



THURSDAY AND FRIDAY EVENTS



SATURDAY EVENTS

For additional maps and information, follow the link to the KU Campus Map Page.

<http://map.ku.edu/>

More detailed information regarding locations of the Social, Banquet, and competitions will be provided in the final mailer.