

# *Technical Paper Rules*

## **Participants**

- Each school may only submit and present one paper, written by a single undergraduate student from the respective university.
- In order to qualify for either Concrete Canoe or Steel Bridge nationals, the respective university must compete in this competition at the GLSC 2017.

## **Event Description**

Each participant will write and submit a paper based on the 2017 Daniel W. Mead Technical Writing competition prompt. There will be a presentation given by the participant during the competition that will summarize their response to the prompt. MSOE will provide the participants with access to a computer, wireless presentation remote, and a projector during their presentation.

## **Paper/Presentation Topic**

**“Is it ethical for university engineering faculty to teach technical subject matter to engineering students without obtaining professional licensure?”**

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

Some states require this (such as Idaho) while some states do not. How does that affect the success of a university program? Should all 50 states be consistent with this? Should there be additional routes to obtain professional licensure, such as through research and a doctorate degree?

## **Disclaimer**

Submission into the Technical Paper competition at GLSC 2017 does not constitute an entry into the National Daniel W. Mead Student Contest. The paper topic is the same for both competitions and the same paper may be submitted for both of the competitions. For more information on the national contest please visit <http://www.asce.org/mead-student/>.

## **Deadlines**

- One electronic copy of the paper should be submitted to David Burt at [burtd@msoe.edu](mailto:burtd@msoe.edu). Papers must be received by Monday, February 27, 2017 at 11:59 p.m. CST to allow judges sufficient time to read every paper. No late submissions will be accepted.
- The Presentation must be sent electronically to David Burt at [burtd@msoe.edu](mailto:burtd@msoe.edu) before 11:59 p.m. CST on Friday, March 31, 2017. The presentations will be held the following day on Saturday, April 1, 2017.

## **Guidelines**

The paper must adhere to the following guidelines:

- Papers for the contest shall be limited to one paper from each Student Organization.
- Papers must not exceed 2,000 words in length.
- Papers must be written by only one person.
- Not have been previously been published in other than school or Society publications.
- Authors must be undergraduate students who are both ASCE Student Organization members and ASCE national student members, both of which must be in good standing at the time of submission to be considered.
- The paper must be written in 12-point Times New Roman font, single spaced, with 1" margins.
- The paper should include reference citations which should conform to official ASCE Journal Submission Guidelines, which can be found on the ASCE Publications website.

The Presentation must adhere to the following guidelines:

- The Presentation must be between 6 and 8 minutes in length.
- It must appropriately address the topic and support the content of the paper.
- Dress code for the presentation is business professional.
- 3 to 4 minutes of Q&A after the presentation from the judges.

## Scoring

The following metrics will be used to judge each of the competing paper and presentation submissions:

<b>Paper Scoring Criteria</b>	<b>Score</b>
1. Spelling and grammar/ length (2000 word maximum) (5%)	/5
2. Presence of original ideas and research involved (10%)	/10
3. Command of subject matter (10%)	/10
4. Adherence to topic (10%)	/10
5. Overall clarity, organization, quality of paper and references (15%)	/15
<b>Paper Sub-Total=</b>	<b>/50</b>
<b>Presentation Scoring Criteria</b>	
<b>Score</b>	<b>Score</b>
1. Degree to which presentation addressed and supported key concepts of written paper and theme of contest (10%)	/10
2. Ability to communicate key concepts from written paper and to convince audience of their importance (25%)	/25
3. Personal bearing (i.e. appearance, poise, eye contact) (5%)	/5
4. Delivery style (i.e. reading, memorized, conversational)/ pronunciation and proper use of technical language and grammar/ enthusiasm and voice projection (5%)	/5
5. Time: between 6 and 8 minutes (0.05 point penalty per second outside of the 6-8 minute range, i.e. 5:40 or 8:20= 20 penalty seconds*0.05points= 1 point penalty) (5%)	/5
6. Errors in logic or facts (up to 10 points penalty)	( ) penalty
<b>Presentation Sub-Total=</b>	<b>/50</b>
<b>Total Score=</b>	<b>/100</b>

Judge's Name (Printed): \_\_\_\_\_ Initials: \_\_\_\_\_