

American Society of Civil Engineers Student Chapter

western michigan university

2009-2010



October 20, 2009

Dear ASCE North-Central Conference Student Chapter:

On behalf of Western Michigan University and the WMU ASCE Student Chapter, I would like to formally invite you all to the **2010 North-Central Regional Conference** to be held **March 26-28, 2010**. This is the first mailer to be sent to all of the participating schools. Please read through all the information in this mailer carefully and distribute copies to all the appropriate leadership and advisors of your student chapter. Make sure to keep a copy for your records as some information may not be repeated in future mailers. All communication for NCRC 2010 will be sent through email as to reduce paper waste.

Enclosed in this document, you will find the following information:

- ❖ **Mailer I - Confirmation Receipt**
- ❖ **Summary of Deadlines**
- ❖ **Registration Forms**
- ❖ **Tentative Conference Schedule**
- ❖ **Friendly Competition Rules**

Receipt of this mailer (found in the attached documents) should be confirmed as soon as possible but at latest emailed back to kimberly.a.warners@wmich.edu by **November 13, 2009**. The deadline for official team registration will be **January 15, 2010**.

Please keep in mind that the technical paper presentation and business meeting are required by ASCE in order to be formally recognized as a conference. Along with this, any school wishing to advance to the national competition in steel bridge or concrete canoe must participate in both events.

If you have any questions, please feel free to contact me at kimberly.a.warners@wmich.edu. All information regarding dates, events, rules, hotels, etc. will be available on the conference website: <http://www.wmuasce.com/ncrc2010.htm>. I will do everything I can to answer all questions in a timely manner, but please be patient.

On behalf of Western Michigan University and the ASCE Student Chapter, we wish you luck this year and look forward to seeing you in the spring!

Sincerely,

Kimberly Warners
North Central Regional Conference Chair
Western Michigan University ASCE Student Chapter

RECEIPT OF CONFIRMATION

Please e-mail this form back to kimberly.a.warners@wmich.edu by **November 13, 2009**.

This confirms the receipt of **Mailer I** regarding the **2010 ASCE North Central Regional Conference**.

School Name: _____

Chapter Contact Person

Name: _____

Phone Number: _____

E-mail: _____

Faculty Advisor

Name: _____

Phone Number: _____

E-mail: _____

Our ASCE student chapter **will be attending** the 2010 North-Central Regional Conference on March 26-28, 2010.

Our ASCE student chapter **will NOT be attending** the 2010 North-Central Regional Conference.

SUMMARY OF DEADLINES

October 19, 2009	Mailer I sent out to North-Central schools
November 13, 2009	NCRC Receipt Confirmation Deadline
January 15, 2010	NCRC Team Registration Deadline **TEAM PAYMENT DUE!**
January 15, 2010	Mailer II sent out to participating schools [Maps, updates, etc.]
March 2, 2010	<u>Concrete Canoe Technical Paper and Technical Presentation Paper Deadline</u>
March 2, 2010	Mailer III sent out to participating schools [Final NCRC schedule, parking information, updates]
March 6, 2010	Individual Registration Deadline **REMAINING BALANCE DUE!** See page for more information regarding individual registration...
March 26-28, 2010	<u>North-Central Regional Conference at Western Michigan University</u>

IMPORTANT INFORMATION

Technical Concrete Canoe Reports will be due on March 2nd – the same day as the Technical Presentation Paper. Schools must submit FIVE (5) hard copy submissions of the Canoe Report to the address below and ONE (1) .pdf copy to kimberly.a.warners@wmich.edu by the deadline. Please don't hesitate to ask if there are any further questions.

Western Michigan University ASCE Student Chapter
c/o Kimberly Warners
Department of Civil and Construction Engineering
1903 W. Michigan Ave
Kalamazoo, MI 49008-5316

****ALL HOTEL INFORMATION WILL BE AVAILABLE ON THE CONFERENCE WEBSITE!****

Please refer to <http://www.rso.wmich.edu/asce/2010ncrc/hotels.htm> for more information.

Also, all forms will be available in .doc and .docx format for schools who choose to submit those documents through email on the conference website as well.

<http://www.rso.wmich.edu/asce/2010ncrc/mailers.htm>

If there are any comments, concerns, or questions at any time, please don't hesitate to contact Kim Warners, NCRC Chair at kimberly.a.warners@wmich.edu.

REGISTRATION DEFINITIONS

In the past few years, team registration for the North-Central Regional Conference has been a flat fee which includes registration for one canoe or one bridge team and then a certain allotment of individual registrations/banquet seats.

This year, in an effort to alleviate cost for smaller schools yet not change any costs for the larger schools, for the 2010 NCRC there will be a set team registration fee and then each individual registration and banquet tickets will be separate. It is believed that lowered team registration fees will help increase participation and take a financial burden off those schools looking to increase membership.

If any school has a problem with this, feel free to contact me at kimberly.a.warners@wmich.edu and I'll do the best I can to help.

Team Registration - \$200 per team

- ❖ One (1) concrete canoe or (1) steel bridge team registered for competition

Individual Registration - \$10 per person

- ❖ Friday night dinner
- ❖ Saturday breakfast
 - ❖ Saturday lunch
- ❖ Sunday breakfast (at race site)
 - ❖ Competition t-shirt
 - ❖ Competition souvenirs

Conference Banquet - \$20 per person

Race Day Lunch - \$10 per person

SCHOOL REGISTRATION FORM

Please mail this form and payment to **WMU ASCE** by **January 15, 2010**.

Team Registration Costs:

- Concrete Canoe Team - **\$200**
- Steel Bridge Team - **\$200**
- Technical Paper Presentation – **No Cost**
- Special Event: Steelcrete Putt-Putt Golf – **No Cost**

School Name: _____

- We are planning to attend the 2010 North-Central Regional Conference and will send approximately _____ students and faculty. [****Your school will not be held to this number, just to help with planning****] **Payment has been sent to WMU ASCE.**
- We are NOT attending the 2010 North-Central Regional Conference.

If attending, these are the events that our student chapter plans on competing in:

- Concrete Canoe Competition [\$200]
- Steel Bridge Competition [\$200]
- Technical Paper Presentation
- Steelcrete Putt-Putt Golf

AMOUNT ENCLOSED

\$ _____

[Please make checks payable to **WMU ASCE Student Chapter**]

Send form and payment to:

Western Michigan University ASCE Student Chapter
c/o Kimberly Warners
Department of Civil and Construction Engineering
1903 W. Michigan Ave
Kalamazoo, MI 49008-5316

INDIVIDUAL REGISTRATION

Please mail these two (2) completed pages to kimberly.a.warners@wmich.edu by **March 6, 2010**.

School Name: _____

Contact Person: _____

E-mail: _____

Number of Individual Registrations: _____ @ \$10 each = \$ _____

Number Attending Conference Banquet: _____ @ \$20 each = \$ _____

Number of Race Day Lunches: _____ @ \$10 each = \$ _____

LATE FEE [Registration postmarked after March 6, 2010] **ADD \$ 50.00**

TOTAL AMOUNT ENCLOSED \$ _____

[Please make checks payable to **WMU ASCE Student Chapter**]

Send form and payment to:

Western Michigan University ASCE Student Chapter
c/o Kimberly Warners
Department of Civil and Construction Engineering
1903 W. Michigan Ave
Kalamazoo, MI 49008-5316

TENTATIVE CONFERENCE SCHEDULE (as of 10/19/09)

CEAS – College of Engineering and Applied Sciences (WMU Parkview Campus)

FRIDAY, MARCH 26, 2010

- 6:00 PM – Welcome and Dinner (CEAS, café patio... Weather Site: CEAS Atrium/Entrance)
- 6:30 PM – Concrete Canoe Captains Meeting (CEAS, D-109)
- 6:30 PM – Steel Bridge Captains Meeting (CEAS, D-115)
- 6:30 PM – Event: Steelcrete Putt-Putt Golf (CEAS, Outside Front Entrance... Weather Site: CEAS Glass Hallway)
- 7:30 PM – Technical Paper Presentations (CEAS, D-109)
- 9:00 PM – *Social Event: To Be Announced Later...*

SATURDAY, MARCH 27, 2010

- 7:00 AM – 9:00 AM – Setup/Breakfast (CEAS, café)
- 9:00 AM – 9:30 AM – Steel Bridge Aesthetics Judging
- 9:00 AM – 11:00 AM – Concrete Canoe Aesthetics Judging
- 9:30 AM – 10:00 AM – Steel Bridge Judges Meeting/ Bridge Tear-down
- 10:00 AM – 6:00 PM – Steel Bridge Competition
- 11:00 AM – 1:00 PM – Concrete Canoe Swamp Test (CEAS, Outside Front Entrance... Weather Site: Ramona Lake (Sunday))
- 11:00 AM – 1:00 PM – Lunch Available (CEAS, café)
- 2:00 PM – 5:00 PM – Concrete Canoe Technical Presentations (CEAS, D-109)
- 6:00 PM – 7:00 PM – NCRC Business Meeting (CEAS, D-115)
- 9:00 – *Social Event: To Be Announced Later...*

SUNDAY, MARCH 28, 2010

- 7:00 AM – 8:00 AM – Canoe Unloading (Ramona Park)
- 7:00 AM – 8:30 AM – Breakfast Available (Ramona Park, Picnic Area)
- 8:00 AM – 8:30 AM – Team Captains Meeting (Ramona Park, Judges Tent)
- 8:30 AM – 4:00 PM – Concrete Canoe Sprint and Distance Races
- **Race Schedule in following Mailer**
- 12:00 PM – 12:30 PM – Lunch Break/Race Day Meals Available (Ramona Park, Picnic Area)
- 5:30 PM – 6:15 PM – Drinks and Appetizers (Fetzer Center, Atrium/Patio)
- 6:15 PM – 8:30 PM – Dinner and Awards Banquet (Fetzer Center, Main Hall)

2010 NORTH-CENTRAL REGIONAL CONFERENCE
TECHNICAL PAPER PRESENTATION COMPETITION

TOPIC: “Ethics and the Civil Engineer of 2025”

[This topic is the same as the 2010 Daniel W. Mead Technical Student Paper Contest as to promote participation in both contests. Please see <http://content.asce.org/student/mead.html> for more information.]

From the 2010 Daniel W. Mead Student Contest Website:

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

In June 2006 a diverse group of civil engineering leaders gathered at the Summit on the Future of Civil Engineering with the purpose of articulating an aspirational global vision for the future of civil engineering. The aspirational vision developed for the Civil Engineer of 2025 as stated in *The Vision for Civil Engineering in 2025* is:

Entrusted by society to create a sustainable world and enhance the global quality of life, civil engineers serve competently, collaboratively, and ethically as master:

- *planners, designers, constructors, and operators of society’s economic and social engine – the built environment;*
- *stewards of the natural environment and its resources;*
- *innovators and integrators of ideas and technology across the public, private, and academic sectors;*
- *managers of risk and uncertainty caused by natural events, accidents, and other threats; and*
- *leaders in discussions and decisions shaping public environmental and infrastructure policy.*

The Vision for Civil Engineering in 2025 also states that Civil Engineers should be knowledgeable about ethical behavior (such as the difference between legal requirements and ethical expectations) and exhibit an attitude showing a commitment to ethics.

In a world where knowledge and education are continually expanding, the vision we have selected for our future involves the mastery of several areas in which civil engineers are not presently recognized. Therefore, we must ask:

- Is the current ASCE Code of Ethics adequate for the Civil Engineer of 2025?
- How do we prepare the Civil Engineers of 2025 for the ethical questions they will face during their careers?
- How can we encourage greater expectations for engineering ethics by 2025?
- What effect does new technology have on ethics for the Civil Engineer of 2025?
- Will an increased participation in the policy environment help or hurt the ethical standards of the Civil Engineer of 2025?
- How can the Civil Engineer of 2025 use their ethical standards to demonstrate a mastery of planning, designing, stewardship, innovation, management, and leadership?
- Are high ethical standards necessary to meet the aspirational vision set forth by ASCE?

**2010 NORTH-CENTRAL REGIONAL CONFERENCE
TECHNICAL PAPER PRESENTATION COMPETITION**

RULES:

1. Papers are not to exceed 2,000 words in length, must be written by one person, and should not have appeared in any publications other than in school or chapter/club publications. Reference citations of the papers should conform to the official *ASCE Authors' Guide to Journals and Practice Periodicals*, which can be found on the ASCE Publications website, <http://www.pubs.asce.org/authors/index.html>. A complete bibliography should be included, if appropriate.
2. Authors must be undergraduate students and both an ASCE Student Organization member and ASCE national student member in good standing at the time of submission to be considered.
3. One electronic copy of the paper should be submitted to Kim Warners at kimberly.a.warners@wmich.edu. Papers must be received by **Monday, March 1, 2010**. This is the same date as the Daniel W. Mead competition but papers must be submitted separately. See <http://content.asce.org/student/mead.html> for submission guidelines.
4. Each author will be expected to make a 5-minute* oral presentation on the paper. Up to five minutes of questioning by judges will be allotted following each presentation. (*Allowance of + or - 5 seconds without penalty.)
5. The paper portion of the competition constitutes for 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 (see next page).

[Additional requirements for submission for the 2010 Daniel W. Mead Student Contest are listed at <http://content.asce.org/student/mead.html>.]

SELECTION:

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

1 st place	\$100.00
2 nd place	\$60.00
3 rd place	\$40.00

NOTE: Submission for the ASCE Student Conference Paper Competition does not constitute an entry for the National Daniel W. Mead Student Paper Contest. While the paper topic is the same as to encourage entrance into the Contest since the same paper may be submitted for both, they are two separate events and require two separate submissions. For a complete set of rules for the 2010 National Daniel W. Mead Student Contest, please visit <http://content.asce.org/student/mead.html>.

Paper Presentation Competition SCORING SUMMARY SHEET EXAMPLE

Author's Name: _____ Date: _____

ASCE Student Organization Represented: _____

Paper Scoring Criteria	Score
1. Adherence to topic (10%)	/ 10
2. Presence of original ideas and research involved (10%)	/ 10
3. Command of subject matter (10%)	/ 10
4. Spelling and grammar / length (2000 word maximum) (5%)	/ 5
5. Overall clarity, organization, quality of paper and references (15%)	/ 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) (5%) (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 points penalty)	() penalty
Presentation Sub-Total	/ 50
Paper Sub-Total	/ 50
Overall Score	/ 100

NCRC Steelcrete Putt Putt

Official Rules and Regulations

The Game

This year a **Steelcrete Putt-Putt Golf Tournament** has been developed to help serve as an icebreaking event between the North-Central Regional schools. Each school may choose to enter this competition and will be expected to develop, create, and bring the necessary equipment listed below to compete at competition. The generally accepted rules of Putt-Putt Golf will govern with those listed below taking precedence. Please do not hesitate to ask questions if something is unclear at kimberly.a.warners@wmich.edu.

Teams

A **team** shall consist of **four players** from a participating school. Each school may choose to participate and enter **up to three teams** of competitors. Each player of the team is allowed **one putter** and the team is allowed to compete with **four golf balls**. Players are allowed to share putters; a **minimum of one putter** is allowed for competition. As many golf balls as desired can be made, but only four (one per player) are allowed for competition. If multiple teams from a school are entered, the team with the lowest score will represent the school.

Guidelines for the Game

- Team order will be randomly selected.
- One team will completely play a hole before the next team is allowed to start.
- Each player from a team will complete the hole with the same golf ball.
- If a ball becomes unplayable (i.e. leaves the specified boundaries, breaks, enters a hazard, etc.), the team will be assessed a one stroke penalty and must place a new ball at the location the ball was played. Penalties will not be assessed for unplayable lies.
- If a team runs out of whole golf balls, the team will be ranked after all teams that successfully complete the course in order of how many holes were completed for the score on course category.
- Ties will not be allowed. In the event of a tie, the two tied teams will begin a sudden death playoff.
- The amount of strokes per hole will be limited to six.
- A broken golf ball is a ball with considerable pieces removed that prevent regular behavior of the ball.

Field of Play

The host school shall be responsible for providing the putt-putt course. Four holes will be provided that will make up the 'course.' The holes will resemble common putt-putt courses with side walls, obstacles, etc.

Official Rules and Regulations (continued)

Golf Balls

All golf balls must conform to the following requirements or they will not be allowed:

- A ball shall be made by the participating school and resemble typical golf balls.
- A ball shall be made entirely of concrete without any voids or encased material (i.e. foam).
- A ball shall be spherical in shape with an average diameter greater than 1.68 inches and a weight less than 2.10 ounces.
- Generally accepted concrete finishing techniques (i.e. stains) are allowed if they solely serve to enhance the aesthetics of the ball

Clubs

All clubs must be putters and conform to the following requirements or they will not be allowed:

- A putter shall be made from scratch by the participating school. Putters fashioned from existing golf clubs shall not be allowed.
- A putter shall consist of a shaft, head, and may have material to better grip the club.
- The shaft and head shall be made of steel.
- The head of the putter must be less than 5 inches wide by 3 inches deep by 2.5 inches high (see Figure 1).
- The putter shall have only one striking surface that is flat, smooth, and free of holes, protrusions, etc. (exception will be permitted for small grooves and similar markings typical in clubs)
- Material used to grasp the club shall not be molded to the hands.
- Decorative materials such as paint, tape, and etc. shall be allowed but must not be structural.

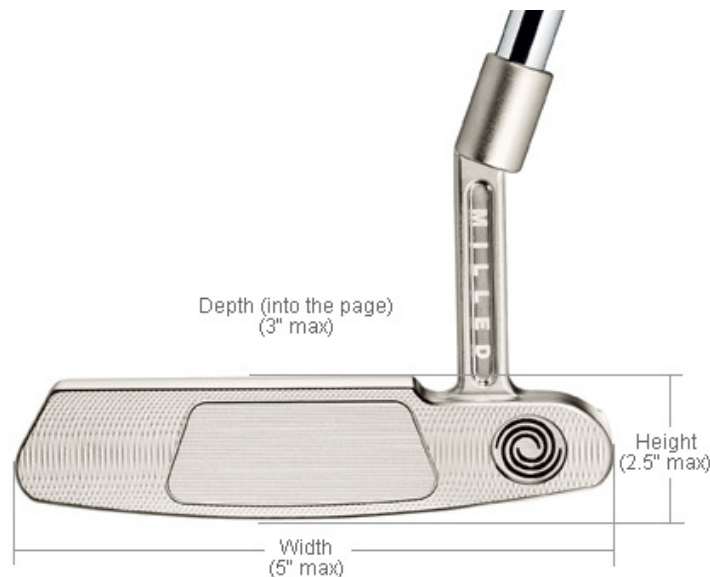


Figure 1. Dimensional constraints of putters.

Scoring

- Scoring will be done by a panel of judges based on the following:
 - **Aesthetics before and after the competition, workmanship and quality of the golf balls**
 - **Aesthetics before and after the competition, workmanship and quality of the putters**
 - **Score on Course (lowest score wins)**
- Team will be ranked in each category with 20 points for first, 18 points for second, 16 for third and so forth.
- Scores from each category will be added together and the team with the highest overall score will win
- Ties will not be allowed. In the event of a tie, the two tied teams will begin a sudden death playoff.
- Awards will be presented to the top three teams; an award will be presented for **best golf ball, best putter,** and **“Spirit of the Game”** (team shirts, costumes, etc. are encouraged).