

October 13, 2008

Dear Metropolitan Section Student Chapter:

This is your 2009 Metropolitan Student Conference Mailer, the first packet to be sent to each of the participating schools. Please read carefully through this packet and distribute copies to the appropriate chairpersons in your Chapter. Do not throw away this mailer! The information that is given here may not be repeated in subsequent mailers. Enclosed you will find the following information:

- Receipt confirmation
- Deadlines summary
- Registration forms
- Tentative conference schedule
- Technical Paper Rules

Receipt of this mailer should be confirmed by emailing or faxing the enclosed form by **October 31, 2008**.

Please note that the school registration deadline is **November 24, 2008**.

The late registration deadline is **January 30, 2009**.

If you have any questions, feel free to contact us at the e-mail address:

**[gmasul01@students.poly.edu](mailto:gmasul01@students.poly.edu)**

All questions and answers concerning the events, rules, etc. will be posted on our web site:

**<http://asce.poly.edu>**

We look forward to seeing you in the spring!

Sincerely,

Gina Masullo  
President, ASCE Student Chapter  
Polytechnic Institute of NYU  
[gmasul01@students.poly.edu](mailto:gmasul01@students.poly.edu)

## ***Receipt Confirmation***

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School Name: \_\_\_\_\_

Faculty Advisor: \_\_\_\_\_

Faculty Advisor Phone #: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Main Student Contact (i.e. Chapter President): \_\_\_\_\_

Student Contact Phone #: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Bridge Captain: \_\_\_\_\_

Bridge Captain E-mail Address: \_\_\_\_\_

Canoe Captain: \_\_\_\_\_

Canoe Captain E-mail Address: \_\_\_\_\_

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This confirms that we have received the 2009 Metropolitan Student Conference Mailer.

Please email to: gmasul01@students.poly.edu  
or fax to: (718) 260-3433

**By: October 31, 2008**

\*\*We are currently working to secure discounted rates at hotels near our school. If you are interested in staying at a hotel for either Friday or Saturday night, please indicate below.

- I am interested in booking \_\_\_ hotel rooms for Friday night.
- I am interested in booking \_\_\_ hotel rooms for Saturday night.
- I will not require hotel rooms.

## ***Deadlines Summary***

<b>October 31, 2008</b>	<b>Receipt Confirmation Received</b>
<b>November 24, 2008</b>	<b>School Registration Received</b>
<b>January 30, 2009</b>	<b>Late School Registration Received</b>
<b>March 2, 2009</b>	<b>Additional Meals Form Received</b>
<b>March 2, 2009</b>	<b>Technical Paper Received</b>
<b>March 2, 2009</b>	<b>Concrete Canoe Design Paper Received</b>
<b>April 3-5, 2009</b>	<b>2009 Met Section Conference!</b>

## ***Registration Fees***

### **Steel Bridge Team Registration Fee - \$60 per member (\$75 late registration)**

- Registration Fee
- Friday night dinner
- Saturday breakfast
- Saturday lunch
- Competition t-shirt

### **Concrete Canoe Team Registration Fee - \$60 per member (\$75 late registration)**

- Registration Fee
- Friday night dinner
- Sunday breakfast
- Sunday lunch
- Competition t-shirt

### **Fee for Team Members Participating in Both Steel Bridge & Concrete Canoe: \$100 per member (\$125 late registration)**

- Registration Fees
- Friday night dinner
- Saturday breakfast
- Saturday lunch
- Sunday breakfast
- Sunday lunch
- Competition t-shirt

### **\*Additional Meals Registration Fee - \$30 for one event, \$50 for both events**

\*Faculty & additional guests who will not be participating in the competition may choose to pay the Additional Meals Registration Fee. This fee is not required! However, those who do not pay will not have meals provided for them.

## Team Registration

Registration – Due: November 24, 2008

Late Registration – Due: January 30, 2009

Include all names of participants on this page. If additional pages are needed, please include them.

Name	Steel Bridge	Concrete Canoe	Both
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
	Total: __ x \$60 (\$75 late)	Total: __ x \$60 (\$75 late)	Total: __ x \$100 (\$125 late)
<b>Total</b>	\$_____	\$_____	\$_____
<b>Total Enclosed Team Registration Fee</b>		\$_____	

## ***Additional Meals Form***

*Due: March 2, 2009*

If additional pages are needed, please include them.

Name	Steel Bridge	Concrete Canoe	Both
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
	Total: __ x \$30	Total: __ x \$30	Total: __ x \$50
<b>Total</b>	\$_____	\$_____	\$_____
<b>Total Enclosed Additional Meals Fee</b>		\$_____	

## Registration

Registration – Due: November 24, 2008

Late Registration – Due: January 30, 2009

School Name: \_\_\_\_\_

We are attending the conference.

Enclosed please find a check for \$\_\_\_\_\_, our total team registration fee.

Enclosed please find an additional check for \$\_\_\_\_\_, our total meals fee.

We are not attending the conference.

*We plan on participating in the following events:*

Steel Bridge Competition

Concrete Canoe Competition (including Canoe Design Paper Presentation)

Reminder: Canoe Design Papers are due by *March 2<sup>nd</sup>, 2009*

\*Technical Paper/Presentation & Business Meeting

Reminder: Technical Papers are due by *March 2<sup>nd</sup>, 2009*

\*Please remember that in order to be eligible for both the National Steel Bridge & National Concrete Canoe Competitions, your school must participate in the Technical Paper/Presentation event and attend the Business Meeting.

Make Checks Payable to: **Polytechnic Institute of NYU (Memo: ASCE Student Chapter)**

Please Return to:  
Polytechnic Institute of NYU  
c/o ASCE Student Chapter  
Jose Ulerio, Advisor  
6 MetroTech Center  
Brooklyn, NY 11201

## ***Tentative Schedule - April 3-5, 2009***

### **Friday, April 3, 2009 @ Polytechnic Institute of NYU**

- 4:00pm – 4:45pm: Dinner & Registration
- 4:45pm – 5:30pm: Guest Speaker – Topic: “The Engineering Challenges of Urban Sustainability”
- 5:30pm – 7:30pm: Technical Paper Presentations
- 7:30pm – 8:00pm: Business Meeting –
- a) Role Call
  - b) Bridge Competition Venue Info & Procedures
  - c) Canoe Competition Venue Info & Procedures
  - d) 2010 Met Conference Location
- 8:00pm – 10:00pm: Concrete Canoe Design Paper Presentations

### **Saturday, April 4, 2009 – Steel Bridge Competition @ Polytechnic Institute of NYU**

- 8:00am – 9:00am: Steel Bridge Registration and Breakfast
- 9:00am – 9:30am: Captain and Judges Meeting
- 9:30am – 3:30pm: Bridge Construction, Loading and Judging
- 12:00pm – 1:00pm: Break for Lunch
- 3:30pm – 4:00pm: Awards Ceremony

### **Sunday, April 5, 2009 – Concrete Canoe Competition (Location TBD)**

- 8:00am – 9:00am: Concrete Canoe Setup & Registration/Breakfast
- 9:00am – 9:30am: Captain and Judges Meeting
- 9:30am – 10:30am: Canoe Judging & Swamp Tests
- 10:30am – 12:30pm: Slalom Races (Men’s & Women’s)
- 12:30pm – 1:30pm: Break for Lunch
- 1:30pm – 3:30pm: Sprint & Co-ed Races
- 3:30pm – 4:00pm: Awards Ceremony

## ***Technical Paper Presentation Competition***

### **TOPIC: “Sustainability and Civil Engineering”**

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

Canon 1 of the ASCE Code of Ethics states: “Engineers shall hold paramount the safety, health and welfare of the public and shall strive to comply with the principles of sustainable development in the performance of their professional duties.” The code goes on in subparagraph f of Canon 1: “Engineers should be committed to improving the environment by adherence to the principles of sustainable development so as to enhance the quality of life of the general public.” The Code of Ethics presents the following definition: “Sustainable Development is the challenge of meeting human needs for natural resources, industrial products, energy, food, transportation, shelter, and effective waste management while conserving and protecting environmental quality and the natural resource base essential for future development.” There are other published definitions of terms related to sustainability, and authors should be clear as to what definition they are basing their discussion on. This definition and its inclusion in the ASCE Code of Ethics date from 1996.

Some questions or issues to consider are:

1. Is the education you are being provided sufficient for you to work as a civil engineer – are you being taught the “principles of sustainable development” as part of your academic major? If not, is this ethical?
2. What other skills, knowledge base, and/or appreciation for other disciplines does a civil engineer need to fully understand sustainability? Can you practice ethically without these skills?
3. Under what circumstances, if any, is practice in violation of the principles of sustainable development ethical?
4. When, if ever, is practice in accordance with the principles of sustainability unethical?
5. Are the development projects, in the US and/or beyond our borders, being undertaken by US governmental agencies conducted in an ethical fashion given the principles of sustainability?
6. Is the American life style ethical given the principles of sustainability? As a civil engineer should you strive to lead a more sustainable life style given the published code of conduct of your profession? At what point could the American life style become ethical and sustainable? Is this attainable?

## 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 ASCE Student Organization 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 also be included, if appropriate.
2. Authors must be undergraduate students and both ASCE Student Organization members and ASCE national student members in good standing at the time of submission to be considered.
3. One electronic copy of the paper should be emailed to: **gmasul01@students.poly.edu**.
4. Three hardcopies of the paper must be sent to:

Polytechnic Institute of NYU  
c/o ASCE Student Chapter  
Jose Ulerio, Advisor  
6 Metrotech Center  
Brooklyn, NY 11201

Electronic copies and hardcopies must be **received** by **March 2, 2009**.

5. 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.)
6. 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 on the next page.

### 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<sup>st</sup> Place: \$100.00  
2<sup>nd</sup> Place: \$60.00  
3<sup>rd</sup> Place: \$40.00

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*Note: Submission for the ASCE Student Conference Paper Competition does not constitute an entry for the National Daniel W. Mead Student Contest. While the paper topic is the same – and the same paper may be submitted for both contests – they are two separate events and require two separate submissions. For a complete set of rules for the 2009 National Daniel W. Mead Student Contest, please visit <http://www.asce.org/students>.*

## SCORING SUMMARY SHEET

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
<b>Paper Sub-Total</b>	<b>/ 50</b>

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
<b>Presentation Sub-Total</b>	<b>/ 50</b>
<b>Paper Sub-Total</b>	<b>/ 50</b>
<b>Overall Score</b>	<b>/ 100</b>