

December 30, 2007

Dear Deep South Conference Student Chapter:

This is your 2008 Deep South Conference Student Conference Mailer I, the first of three packets 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 conformation
- Deadlines summary
- Registration forms
- Tentative conference schedule
- Hotel accommodations
- Competition rules and contacts

Receipt of this mailer should be confirmed by mailing or faxing the enclosed form by February 8, 2008. Please note the school registration deadline is February 20, 2008.

If you have any questions, feel free to contact us at the email address: ascdesc@gmail.com. All questions and answers concerning the events, rules, etc. will be posted on our website: www.cee.lsu.edu/undergrad/ASCE/index.htm. We will do everything possible to answer your questions in a timely manner, but please be patient – we are learning as we go.

We look forward to seeing you in the spring.

Sincerely,

Adele Cook
President, ASCE Student Chapter
Louisiana State University

Amanda Hamlin
Co-Chairman 2008 Deep South Conference

Claire Murray
Co-Chairman 2008 Deep South Conference

2008 Deep South Student Conference

Deadlines Summary

Participants:

February 8, 2008	Mailer Receipt Confirmation Postmarked
February 20, 2008	School Registration Postmarked
March 10, 2008	Attendee Pre-Registration Postmarked
March 4, 2008	Hotel Reservations Cut-off
April 3-5, 2008	Conference

Host:

January 30, 2008	Mailer I
February 22, 2008	Mailer II (maps, updates)
March 13, 2008	Mailer III (final schedule, parking passes, updates)

2008 Deep South Student Conference
Receipt Conformation

**Fax to: 225-578-4945 or send to: 3418 Patrick F. Taylor Hall-LSU; Baton Rouge,
LA 70803 BEFORE February 8, 2008**

Please print or type!

School Name: _____

Faculty Advisor: _____

FA's Phone Number & E-mail: _____

Fax Number: _____

Student Conference Contact Name, Phone Number, and E-mail:

This confirms that we have received Mailer I regarding the 2008 Deep South
Student Conference

2008 Deep South Student Conference

School Registration Form

Send to: 3418 Patrick F. Taylor Hall – LSU; Baton Rouge, LA 70803 **before February 20, 2008**

Registration is \$ 250.00 per school and \$ 50.00 per student. School registration is due now. Individual attendee registration fees are due **March 10, 2008**.

Make check payable to: **LSU Student Chapter of ASCE**
-in the comments section please put DSC

School Name: _____

- We are attending the conference and will send approximately _____ students and faculty. (Your school will not be held to these numbers, but this will greatly assist in planning food events.) Enclosed please find our \$ 250.00 school registration fee.
 - We are not attending the conference
-

In which events does your Chapter plan on competing in?

- Concrete Canoe
- Steel Bridge
- Technical Paper/Presentation
- Surveying Race
- Mystery Event
- Concrete Frisbee

2008 Deep South Student Conference

Conference Attendee Pre-Registration

Send before March 10, 2008

Each conference attendee (student, faculty, or friends) must pre-register for the event. Please fill out the following page and send with \$ 50.00 per person to: **3418 Patrick F. Taylor Hall; Baton Rouge, LA 70803**

The \$50.00 registration fee covers the following:

- conference banquet
- conference program and badge
- lunch on Friday and Saturday
- social event and dinner Thursday night
- conference t-shirt
- parking fees
- event fees

Late Registration

Any registration postmarked after March 10, 2008 must pay a late registration fee of \$ 60.00. Any students, faculty, or friends that arrive at the conference without pre-registering must pay the late registration fee at check-in.

2008 Deep South Student Conference

Hotel Information

Dear Conference Attendees,

For your convenience, the LSU Student Chapter of ASCE has secured a hotel block at the Red Lion Hotel in Baton Rouge. If you choose to take advantage of these discounted hotel rates, you must make the reservations before **March 4, 2008**. All business meetings, transportation to the social event Thursday night, and the Awards Banquet will be held at the Red Lion. Therefore, if you opt to make your reservations elsewhere, you will be responsible for your transportation to the Red Lion Hotel. We choose this hotel because of its central location to all events during the conference.

The Red Lion Hotel is located at 2445 S. Acadian Thruway, Baton Rouge, La 70808. The Phone number is (225) 236-4000, Fax number is (225) 925-0084, and website is redlion.com.

- Rates: \$94.00 per night for a standard room, single or double occupancy
- When calling for reservations, state that you are with the ASCE Conference
- Reservations must be made **BEFORE March 4, 2008**

We hope that this will help everyone with accommodations in Baton Rouge. We look forward to seeing everyone in April.

Sincerely,

Adele Cook
President, ASCE Student Chapter
Louisiana State University

Amanda Hamlin
Co-Chairman 2008 Deep South Conference

Claire Murray
Co-Chairman 2008 Deep South Conference

The LSU Great Surveying Race of 2008

The purpose of this competition is to test teams (comprised of three members per team), on basic surveying techniques such as taping, leveling, and traversing with non-electronic instrumentation. Each participating university may enter only one team for the Great Surveying Race of 2008. It is the responsibility of each competing team to insure that their equipment is properly adjusted, calibrated, and is in good working order. Non-programmable calculators are allowed as long as they meet current National Council of Engineering Examiners (NCEE) specifications for use in National Examinations:

The following are the only calculators that will be permitted in the exam room for the 2008 NCEE exam administrations.

- Casio:** All **fx-115** models. Any Casio calculator must contain **fx-115** in its model name.
- Hewlett Packard:** The **HP 33s** and **HP 35s** models, but no others.
- Texas Instruments:** All **TI-30X** and **TI-36X** models. Any Texas Instruments calculator must contain either **TI-30X** or **TI-36X** in its model name.

1. Taping Distances Task (Timed)

Each team will tape distances among fixed points identified by the judges. Each team is restricted to use a single 100-foot or 101-foot steel tape that may be coated or uncoated, and may be of ordinary or of invar steel. Optional equipment may include tape thermometers, plumb bobs, tension handles, chaining pins with rings or quivers, and range poles. Electronic distance measuring equipment including lasers may not be used. All distances measured will be used for the traversing task. The Judges will determine if any gross systematic errors are present, based on their private controlled survey to determine the "true" parameters of the Race Course. Unacceptable errors will require re-taping to qualify for the minimum closure precision of one part in 3,500 that does not contain blunders such as a defective tape or the misreading of a 101-ft tape. The additional time to correct such a blunder will be included in that team's total timed record.

2. Leveling Task (Timed)

Each team will run a level loop from one benchmark to another benchmark turning through all the fixed points used for taping. Each team is restricted to use a single instrument consisting of a Dumpy, Wye, Tilting, or an Automatic Level none of which are equipped with an optical wedge micrometer. A single tripod may be used that is compatible with the level instrument, and the tripod may be of wood, metal, fiberglass, or composite carbon fiber with stiff legs or adjustable legs. A leveling rod may be used that is extendable (Philadelphia), multiple part (Frisco or Chicago), and may be of wood, metal, fiberglass, or composite carbon fiber. Rod levels may not be used, but "waving" the rod is permissible. Automatic Bar-code reading levels and Bar-code rods may not be used. Lenker-type rods may not be used. Theodolites with Electronic Distance Meters and/or Total Stations may not be used for trigonometric leveling using vertical angles. Maximum misclosure allowed is $\pm 0.05 \text{ Ft}\sqrt{\text{Miles}}$, and no computational adjustment will be required of the teams, but computation of misclosure is required. Leveling "busts" will require re-observation of the loop until the closure specification is met, and the additional time will included in that team's total timed record.

3. Traversing Task (Timed)

Using the distances measured in the Taping Task, each team will run a closed traverse of interior angles among all of the fixed points identified by the judges. Each team is restricted to use a single theodolite/transit that has a maximum precision of twenty arc seconds and is a repeating instrument (has an upper and lower motion) and is not a direction theodolite. Electronic theodolites or electronic transits are not allowed, nor are Total Stations allowed. The optical instruments used may have integral optical micrometers for reading angles in degrees-minutes-seconds or grads/gons or mils as long as the precision is limited to no better than the equivalent of 20 arc seconds. The optical instruments may be equipped with an automatic compensator for vertical angles. Each and every horizontal angle will be turned for a minimum of three times, (two repetitions), in Direct and three times, (two repetitions), in Reverse and then averaged to produce a single angular value for the set. Each team is restricted to a maximum of three stiff-leg or three adjustable-leg tripods (and may be of wood, metal, fiberglass, or composite carbon fiber), with a maximum total of three tribrachs, if desired. Tribrach targets may be used in lieu of Range Poles or Chaining Pins, if desired. Maximum misclosure allowed is one part in 3,500 precision. No computational adjustment will be required, but computation of misclosure (by latitudes and departures) is required, using a starting azimuth provided by the Judges between two successive points in the closed traverse loop.

Judges

The Judges will be comprised of three Registered Land Surveyors that are not members of the faculty of any university participating in the Surveying Race. The Judges will determine the points to be used in the Surveying Race, and will determine the overall winner placement based on the shortest times after the minimum closure specifications are met for both the Leveling and the Traversing Tasks. The Judges will check the computations of each team's field observations as recorded in their field books. The field books will be surrendered on completion of each team's computations, and their total time for all events will then be recorded.

No consultation with faculty, professional surveyors or engineers, or comparisons with other teams will be allowed. Judges may be consulted regarding the administration of the rules.

Blunders in computations will result in the team being disqualified. In the event that more than one team is disqualified, a runner-up competition may be performed after all qualified teams have completed their submissions if the total number of remaining qualified teams are a lesser number than the number of available awards. The Judges will make the final decisions for the ranking placement of the competing teams. Awards and bragging rights will be presented at the banquet.

Note: With the advent of Spring in South Louisiana, each team's performance will be subjected to the equal liability of injury from tripping in crawfish holes, bites from poisonous snakes and attacks from local campus alligator dens. Contestants pleading for mercy from the aforementioned hazards as well as from high cholesterol loads, heartburn from Creole and/or Cajun food, etc., will not be entertained. Race your surveyors at your own peril, and please use surveyors' flagging tape to bind all wounds.

Contacts:

Stephen Picard, Surveying Competition Coordinator, SPicar1@LSU.edu
Cliff Mugnier, LSU ASCE Student Chapter Faculty Advisor, cjmce@LSU.edu