

Cecil T. Lobo ASCE Student Chapter of Rose-Hulman Institute of Technology

In this issue of the Moment, we'll take a look back at the WSCL Conference and look forward to the new 2007 executive officers. And seniors, be sure to take a look at the FE Exam review schedule included in this issue.

-Justin Perry

WSCL Conference

—Rachel Howser

The Cecil T. Lobo Chapter of the American Society of Civil Engineers attended the Workshop for Student Leaders in Nashville, Tennessee on Friday, January 12, Saturday, January 13, and Sunday, January 14. The workshop is an officer training session sponsored by the American Society of Civil Engineers' Committee on Student Activities. Attendees included President Matt Trowbridge, Vice President Andrew Pinkstaff, Secretary Rachel Howser, Treasurer Sebastian Mendes, and Faculty Advisor Dr. Kevin Sutterer.



The first activity of the conference was "Engineering Ethics Live." Dr. Sutterer, a member of the Editorial Board for the American Society of Civil Engineers Journal of Professional Issues in Engineering Education and Practice, was chosen to moderate the session. The Rose-Hulman students acted out two ethics-based skits where an engineer is put in a difficult situation. After the skits, Dr. Sutterer fielded questions about the scenarios and provided five options that the engineer may choose to mediate the problem. The over 300 member audience then chose which option was most ethical. After that, a board of experts gave their opinion on the situation. Other activities included learning keys to a successful organization, brainstorming ideas for public service and educational outreach programs, learning to conduct a better meeting, finding ways to increase chapter membership, fundraising tips, and how to improve annual reports.

The American Society of Engineers requires that all student chapters complete an annual report which provides a comprehensive record of one calendar year of activities. The reports are then reviewed and awards are based on what activities were completed and how they were represented in the report. The most prestigious award is the Ridgway Award which is given to the most outstanding student chapter of the year. Rose-Hulman's chapter has won the Ridgway Award the last two years. The chapter was recognized for this achievement on several occasions during the conference.

Overall, the workshop was a great success. The newly elected officers learned more about their new roles in the American Society of Civil Engineers, gained many new ideas to implement over the next year, and really bonded for the first time. The officers are looking forward to next year and what it may bring.

Meet the 2007 ASCE Executive Officers!

Name: Matt Trowbridge

Position: President

Hometown: Fort Collins, CO

Discipline: Structural Engineering

Activities: Captain of the Men's Soccer Team, SRC Building Supervisor, Blue Key National Honor Fraternity, Triangle Fraternity



As a chapter leader, I am eager to continue scheduling interesting monthly meeting speakers and helping to plan relevant field trips. One of my goals for the upcoming year includes increasing involvement from all Civil Engineering students. We have plenty of challenging projects and we are always looking for motivated students to get involved. Let me know if you are interested and we can discuss some possible opportunities.



Name: Andrew Pinkstaff

Position: Vice-President

Hometown: Vincennes, IN

Discipline: Geotechnical

Activities: Men's Baseball Team, Triangle Fraternity Historian

As a chapter leader, I look forward to increasing membership and membership development. To instigate this goal, I intend to bring new ideas for projects and other activities that will spark student interest. To execute these projects, our chapter will be brainstorming for new fundraising ideas. The key to our success will be following through with the events we plan and receiving contributions from everyone.

Name: Rachel Howser

Position: Secretary

Hometown: Scottsburg, IN

Discipline: Structural Engineering

Activities: Cheerleading Team, Drama Club, Craft Club Vice-President, Writer for the *Thorn*, Homework Hotline Tutor, Big Beam Contest Participant



As secretary of the chapter, I am excited about taking on a stronger role in ASCE. I intend to keep accurate minutes of all the meetings and start keeping more detailed attendance records. I am also excited about working on the chapter's annual report. I have big shoes to follow since our annual report was considered the best in the nation in 2004 and 2005. I hope to aid other individuals in their ASCE endeavors, whatever they may be. Most of all, I want to make our ASCE chapter fun so that more people enjoy coming to meetings and events.



Name: Sebastian Mendes

Position: Treasurer

Hometown: New Haven, CT

Discipline: Structural or Transportation Engineering

Activities: ASCE, Track

As Treasurer I will be in charge of keeping track of the Chapter's finance. This includes maintaining a Quicken account that shows all of the Chapter's financial transactions. Also, I will be responsible for reimbursing members for any expenses they may have spent for an ASCE event, and depositing money from fundraisers or reimbursements into the ASCE account. It is my job to maintain physical records of these transactions. In addition, I will be responsible for organizing the Christmas Basket fundraiser that takes place towards the end of the year.

FE Exam Review Sessions

	Mon	Tue	Wed	Thu	Fri
Wk1	5-Mar 7-8	6-Mar	7-Mar 3rd-4th Periods Dr. Hanson Structural Analysis	8-Mar	9-Mar
Wk2	12-Mar	13-Mar	14-Mar 3rd-4th Periods Dr. Hanson Steel Design	15-Mar	16-Mar 7-8
Wk3	19-Mar 8th-9th Periods Dr. Thomas Dynamics	20-Mar	21-Mar 4th-5th Periods Dr. Aidoo Concrete Design	22-Mar	23-Mar 7-8
Wk4	26-Mar 8th-9th Periods Dr. Thomas Thermodynamics	27-Mar	28-Mar	29-Mar	30-Mar 7-8
Wk5	2-Apr 7th-8th Periods Dr. Robinson Waste Water / Water Treatment	3-Apr 9th Period Dr. McKinney Trans./Surveying	4-Apr 5th-6th Periods Dr. Houghtalen Hydraulics / Hy- drology	5-Apr	6-Apr 7-8
SpBrk	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr
	16-Apr 7th-8th Periods Dr. Sutterer Geotechnical	17-Apr 9th Period Dr. McKinney Construction	18-Apr	19-Apr	20-Apr 7-8

Some Interesting Trivia About Skyscrapers

The Empire State Building

The Empire State Building is designed to be a lightning rod. In fact, it is struck by lightning about 100 times each year!

The Petronas Towers

In the Petronas Towers, the shape of the floors is based on an eight-point star, common in Malaysian Islamic patterns. The towers have so many windows that window washers take a month to clean each tower! You can get an up-close look at the building in the movie *Entrapment*, starring Catherine Zeta-Jones and Sean Connery.

First Interstate World Center

First Interstate World Center (Library Tower) in Los Angeles is located just 26 miles from the San Andreas Fault and has been designed to withstand an earthquake of 8.3 or more on the Richter scale, with a massively reinforced central core and lighter columns around the perimeter. This design makes it flexible, so it can resist vigorous side-to-side shaking without snapping, yet stiff, so it can withstand the force of the wind.

John Hancock Center

In order to strengthen the John Hancock Center against Chicago's famous winds, engineers included five enormous diagonal braces on the exterior walls of the building. These diagonals block the view from two windows on each floor. A clever rental agent, however, has made these sightless windows a status symbol and it actually costs more money to rent these rooms!

Top Ten Reasons To Date an Engineer

1. The world does revolve around us... We pick the coordinate system.
2. Find out what those other buttons on your calculator do.
3. We know how to handle stress and strain in our relationships.
4. Parents will approve.
5. Help with your math homework.
6. Can calculate head pressure.
7. Looks good on a resume.
8. Free body diagrams.
9. High starting salary.
10. Extremely good looking

Upcoming Events

- March 7, Monthly Meeting, 12:40pm
- March 9, Civil Pride Friday
- March 23, Indiana Section Meeting
- March 28, Monthly Meeting, 11:45am
- March 30, Spring Cookout (Tentative)
- April 21, Fundamentals of Engineering Exam

- April 26-29, ASCE Student Conference at Purdue
- May 3, INDOT Maintenance Conference hosted by student chapter
- May 19 (tentative), ASCE/Habitat for Humanity Golf Tournament

Did we forget something? Please contact an ASCE officer to contribute items to include on our calendar.

To Expose Students and the Community to Civil Engineering through Service and Education

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We're on the Web

<http://www.rose-hulman.edu/ce/asce/index.htm>