

In This Issue:

- 1 Tonight's agenda
Sudoku
- 2 Company Profile
ASCE Building Profile

3 News and Important Dates

Officer Contacts

Schedule

Sudoku Answers

			5				6	
1		3						
				4				2
	5			2				1
9			6	7		2		
		4				3		
8					2			
		1		3		9		5
	4		9				8	

Introductions:

- Practitioner Advisors: Dave Karnowski
Peter Clark
- Honorary Lifetime Contact Member: Bob Thorn
- Faculty Advisors: Dr. Hossain
Dr. Riding

Officer Reports:

- President: Walter Hicks
- Vice President: Jennifer Sommerfeld
- Treasurer: Jessica Hennes
- Recording Secretary: Xinchu Zhang
- Corresponding Secretary: Adam Emerson
- Newsletter Editor: Carl Peterson
- Historian: Luke Fangman
- Student Council Rep: Casey Mahoney
- Freshman/Sophomore Rep: Cole turner
- Graduate Student Rep: John Handke
- Activities Chair: Jessalyn Fisher
- Special Projects Chair: Levi Ewing
- Webmaster: Ryan Scott
- Steel Bridge Chairs: Rachel Spicer
Andrew Shearrer
- Concrete Canoe Chairs: Jenny Swabb
Brianna Krysztof
- Open House Chairs: Cale Armstrong
Don Powers
Vince Studer



er: Walter Hicks
Jennifer Sommerfeld
Dr. Carlos Bertha

Speaker Profile

Darrell Cantrell

Darrell D. Cantrell began his railroad career in 1963, as a trackman with the Frisco Railway in Oswego, Kansas, after earning his Associate degree in General Engineering from Missouri Southern State College. The Frisco was predecessor railroad of the Burlington Northern Railroad, which merged with the Santa Fe Railway in 1995 to form the Burlington Northern and Santa Fe Railway Co. (BNSF).

Cantrell held almost a dozen supervisory positions with BNSF and its predecessors, including Roadmaster, Manager of Gangs, Maintenance Engineer, Director Work Equipment, Director Maintenance, and Director of Service Agreements. He was Director Roadway Planning, headquartered in Fort Worth Texas, where he served until his retirement.

Since retiring in 1999, Cantrell has provided railroad consulting world-wide through his company, Cantrell Rail Services, Inc.

Cantrell is Past President of (American Railway Engineering and Maintenance-of-Way Association) AREMA. His previous involvement with the organization included participation in (American Railway Engineering Association) AREA and the Roadmaster and Maintenance of Way Association.

In 2008-09, he was project manager, editor and author for the International Heavy Haul Association, Guidelines to Best Practice for Heavy Haul Railway Operations "Infrastructure Construction and Maintenance Issues."

After consulting for Unit Rail for more than a year, he is delighted to join this excellent company in their expanding international market.

ASCE Building Profile



National Center for the Performing Arts:

The National Centre for the Performing Arts (NCPA), and colloquially described as The Egg, is an opera house in Beijing, People's Republic of China. The Centre, an ellipsoid dome of titanium and glass surrounded by an artificial lake, seats 5,452 people in three halls and is almost 12,000 m² in size. It was designed by French architect Paul Andreu. Construction started in December 2001 and the inaugural concert was held in December 2007.

The exterior of the theater is a titanium accented glass dome that is completely surrounded by a man-made lake. It is said to look like an egg floating on water, or a water drop. It was designed as an iconic feature, something that would be immediately recognizable.

The dome measures 212 meters in east-west direction, 144 meters in north-south direction, and is 46 meters high. The main entrance is at the north side. Guests arrive in the building after walking through a hallway that goes underneath the lake. The titanium shell is broken by a glass curtain in north-south direction that gradually widens from top to bottom.

The initial planned cost of the theatre was ¥ 2.688 billion (\$421 million USD). When the construction had completed, the total cost rose to more than ¥ 3.2 billion CNY (\$502 million USD). The major cause of the cost increase was a delay for reevaluation and subsequent minor changes as a precaution after a Paris airport terminal building collapsed. The cost has been a major source of controversy because many believed that it is nearly impossible to recover the investment. When the cost is averaged out, each seat is worth about ¥ half a million CNY (≈\$80,000 USD). The Chinese government answered that the theater is not a for profit venture.

Officer Contacts

President:

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Brianna Krysztof – *briannak@ksu.edu*

Open House Chairs:

Cale Armstrong – *cagolf91@ksu.edu*

Don Powers – *dlpowers@ksu.edu*

Vince Studer – *studerv@ksu.edu*

4	7	2	5	8	3	1	6	9
1	6	3	2	7	9	4	5	8
5	8	9	1	4	6	7	3	2
7	5	6	3	2	4	8	9	1
9	3	8	6	1	7	5	2	4
2	1	4	8	9	5	3	7	6
8	9	7	4	5	2	6	1	3
6	2	1	7	3	8	9	4	5
3	4	5	9	6	1	2	8	7

Important Information

FE Review manuals are available for purchase, they cost \$65 each. Contact any officer if you are interested in purchasing the manual.

Students must become national members to receive credit for ASCE Student Membership. Registration is free and can be done online at <http://www.asce.org/> Click "login" at the top of the page, then click "click here to create one" and follow the instructions to become a national member.

Softball Game October 9, this Sunday, contact Jessalyn Fisher TONIGHT for more information.

Scholarships:

SMART Scholarship
DoD sponsored
Full tuition, internship, and post grad employment

ACEC is looking for scholarship applicants
Open to engineering or Land Surveying students entering their Junior, Senior, Fifth or Graduate year in the fall of 2012.

Interested applicants, please send questions to:
acecscholarships@gbateam.com

Jobs:

Civil Infrastructure Systems Laboratory (CISL) has an opening for 10-15 hrs/wk at \$10-\$11/hr. If interested in working at CISL contact Luke McIntosh.

Schedule

October 6 – **Assembly (Fiedler Auditorium)**

October 9 – **Softball Game / Cookout**

October 13 – Officer Meeting

October 20 – **Assembly (Fiedler Auditorium)**

October 27 – Officer Meeting

November 3 – **Joint Dinner with KU**

November 10 – Officer Meeting

November 17 – **Assembly (Fiedler Auditorium)**

November 24 – Thanksgiving Break

December 1 – **Elections/Senior Projects (Fiedler Auditorium)**

December 8 – **Awards Banquet**