

ASCE Newsletter

Kansas State University Chapter, Since 1923

April 5th, 2007

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Officers Duties

Put in your planner:

Open House: Apr. 13 - 14

Apr. 13, 2:30 - opening ceremonies

Apr. 14, 6:30 - banquet

Also, civil engineering's

Josh Lipscomb

is running for St. Patrick so
remember to vote next week!!



Tonight:

Introductions: Joyce Smith

Practitioner Advisors:

Dave Karnowski

Jeri L. Meyer

Earl Tast

Honorary Lifetime

Contact Member:

Bob Thorn

Faculty Advisors:

Dr. Melhem and Dr. Stokes

Officer Reports:

President:

Joyce Smith

Vice President:

Chad Banka

Treasurer:

Joey Holste

Recording Secretary:

Wilson Smith

Corresponding Secretary:

Trent Dansel

Newsletter Editor:

Emily Frey

Historian:

Ken Kuehne

Stu-Co Rep:

Coty Hinman

Freshman/Soph Rep:

Kurt Hershey

Graduate Student Rep:

Brandon Decker

Activities Chair:

Brian Coomes

Special Projects Chair:

Anthony Dowling

Open House Chairs:

Cody Cates and Eric Byrd

Steel Bridge Chairs:

Josh Lipscomb

Steven Hammerschmidt

Concrete Canoe Chairs:

Bryan Donze

Paul Bruss

Webmaster:

Douglas Duncan

Agenda:

Announcements:

Joyce Smith

Introduction of Speaker:

Chad Banka

Speaker:

Major Lockridge

Topic:

"The US Army Corps of Engineers
- Military Engineering at Home and
Abroad"

Professor Profile

Dr. Peric

Dr. Peric earned her undergraduate degree in Civil Engineering with emphasis in structural engineering from University of Zagreb, Croatia and her M.S. and Ph.D. degrees from University of Colorado at Boulder with emphasis in geotechnical engineering. Prior to coming to U.S. Dr. Peric worked for five years in engineering practice mostly on problems related to slope stability, landslides and foundation engineering. She also participated in consulting for local geotechnical companies in Denver. After earning her Ph.D., Dr. Peric worked on development of a true triaxial apparatus for testing of soils as a postdoctoral researcher at University of Colorado. Since graduation Dr. Peric was awarded a grant from National Science Foundation, which enabled her to conduct advanced laboratory experiments in the heavily instrumented biaxial apparatus at Northwestern University in Evanston, Illinois. Dr. Peric worked with the variety of laboratory devices for testing the stress-strain response of soils including conventional triaxial apparatus, true triaxial apparatus, biaxial or plane strain devices and geotechnical centrifuge. Her work has been published in the journals of the highest reputation in solid mechanics such as International Journal of Plasticity and International Journal of Solids and Structures. Her refereed journal papers have been cited a total of 140 times so far worldwide.

Dr. Peric's main challenge is exploration of failure processes in soils. She believes that in-depth understanding of particle interactions at the microscopic level and beyond will enable development of significantly improved computational methods. These advanced methods will use powerful 3D visualization and they will eventually be used for analysis and design in the engineering practice. At K-state Dr. Peric continued her work on failure processes and developed new interests in conceptualization and design of innovative soil reinforcement technologies and in soil structure interaction in integral bridges. She has been working on the last two topics with Dr. Rasheed and Dr. Esmaily.

At K-state Dr. Peric has taught CE 333-Statics, CE 530-Static and Dynamics, CE 522-Soil Mechanics I, CE 824-Strength and Deformation of Geomaterials, CE 828-Advanced Soil Mechanics, CE 930-Engineering Properties of Soils, and CE 916-Constitutive Modeling. She has been listed in "Who's Who Among America's Teachers-The Best Teachers in America Selected by the Best Students" in 1998, 2004, 2005 and 2006. Dr. Peric also served as a faculty co-advisor to the KSU student chapter of ASCE. In addition, she serves on editorial board for the ASCE Journal of Geotechnical and Geoenvironmental Engineering. Dr. Peric is also a member of The Inelastic Committee, which is the committee of the ASCE Engineering Mechanics Division.

Reminders & Updates

Canned Food for ASCE

Just a reminder to keep bringing non-perishable food items to all the ASCE meetings. Everything we get goes to the Flint Hills Bread Basket. So when you're deciding whether or not to bring a food item, just think about the ASCE Code of Ethics, Fundamental Canon #1, "Engineers shall hold paramount the safety, health and welfare of the public..."

Steel Bridge Update

We test-loaded the bridge last Saturday and it held all the weight. We are now putting the finishing touches on it to prepare it for competition. We also recently began to practice our construction time. We're going to win the whole competition!

News and Notes

Scholarships

James L. Ogden Memorial Scholarship

Criteria:

- \$1,000 shall be distributed in the form of an annual scholarship. The scholarship will be awarded by semester (\$500 each in the fall and spring semesters.)
- Applicants must be currently attending Kansas State University or the University of Kansas with a declared major in CIVIL ENGINEERING and have a minimum of twelve (12) hours completed in his/her major.
- Students must submit an official copy of his/her transcript with the application.
- Students must have a current GPA of 2.5 or above.
- Applications are due by March 31

Association of State Dam Safety Officials

- Scholarships up to \$10,000 for the 2007/2008 school year.
- Applications due by March 30, 2007.

American Institute of Steel Construction, Inc.

- One scholarship for \$5,000 will be awarded.
- Applications due by April 9, 2007.

Internships and Jobs

The following companies have openings available for internships or jobs. Go to the ASCE website and click on Bulletin Board to get applications.

Oregon Department of Transportation
-full time & internships (www.odotjobs.com)

HDR Kansas City
-full time (www.hdrinc.com)

Advanced Construction Techniques Ltd. (ACT)
-full time

HBE
-full time (resumes@hbecorp.com)

HWS
-full time & internships (www.hws.com)

WSP
-full time (susan.pace@cox.net)

SMH
-part time in Manhattan (jhancock@sloanandmeier.com)

For more information & applications,
Check out the ASCE website at:
www.engg.ksu.edu/asce

ASCE Notable History

I recieved a great article from Bob Thorn that I'm using for engineering history this week. I'll continue with a review of the 1960's KSU ASCE chapter in the next article.

ENGINEERING

-Herbert Hoover, Honorary Member, ASCE

It is a great profession. There is the fascination of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realization in stone or metal or energy. Then it brings jobs and homes to men. Then it elevates the standards of living and adds to the comforts of life. That is the engineer's high privilege.

The great liability of the engineer compared to men of other professions is that his works are out in the open, where all can see them. His acts, step by step, are in hard substance. He cannot bury his mistakes in the grave like the doctors. He cannot argue them into thin air or blame the judge like the lawyers. He cannot, like the architects, cover his failures with trees and vines. He cannot, like the politicians, screen his shortcomings by blaming his opponents and hope the people will forget. The engineer simply cannot deny he did it. If his works do not work, he is dammed... On the other hand, unlike the doctor, his is not a life among the weak. Unlike the soldier, destruction is not his purpose. Unlike the lawyer, quarrels are not his daily bread. To the engineer falls the job of clothing the bare bones of science with life, comfort and hope. No doubt as years go by the people forget which engineer did it, even if they ever knew. Or some politician puts his name on it. Or they credit it to some promoter who used other people's money... But the engineer himself looks back at the unending stream of goodness which flows from his successes with satisfactions that few professions may know. And the verdict of his fellow professionals is all the accolade he wants.

Student Profile & Schedule

Chad Banka, ASCE Vice President

Chad Banka, our current ASCE vice president, is a second semester sophomore. He was born and raised in Overland Park, KS. He lives really close to Johnson County Community College and will be there all summer – if you're in the neighborhood, give him a call! His parents are Dennis and Debbie Banka and he has a little brother, Clayton. Clayton currently attends Oxford Middle School and will turn 13 this summer.

Chad chose civil engineering because he had so much exposure to it as a child. "I chose civil engineering because I have always been interested in building projects and being around areas of construction. Since I was a little kid, I have worked with my dad and uncle in our small family company, Banka Built Inc. I have been driving equipment and trucks since I could reach the pedals. In the summers, along with having a full time internship with Tran Systems, I work for myself on multiple light construction projects."

Over the years Chad has had some pretty cool jobs and internships, from building a house to engineering internships with Tran Systems. "Some of my favorite intern jobs have been running the strip truck that puts the lines on the roads to working on the only double-decker bridge in the Kansas City area. Lastly, I was an inspector in a renovation and major reconstruction of the 87th Street project in Lenexa, Kansas."

Chad basically likes all his classes. Some of his favorites include World Regional Geography with Jeff Smith, Speech, and of course, CE015! He says that it's been the great teachers and fellow students that have made his class experiences so great. Chad really likes meeting new people and making new friends. Chad is very outgoing and friendly, so in his free time he likes to hang out with others. "In my free time, I truly like to work. I enjoy working with my hands, building projects and working on side jobs. When I am not working, I enjoy spending time with my girlfriend, Cassie Morrow, great friends and close family. Often we spend many hours at the lake skiing, wakeboarding and just enjoying each others company."

Remaining Schedule Spring 2007

April 12th

Officer's Meeting
7:00PM (CE conf. room)

April 13 & 14

** Open House

April 19th

** CE Picnic

May 3rd

*Assembly
7:00PM (DUF 1107)

*counts as Assembly Credit

**counts as an extra credit



Our VP on spring break!!

Feel free to send comments and suggestions for the newsletter to: erf@ksu.edu

Officers & Duties

Officer Positions:

President - run Assemblies & officer meetings, set schedule, keep officers on task, liaison between faculty and chapter

Vice President - assist President, arrange Assembly speakers

Corresponding Secretary - send Thank-You's to all speakers, in charge of all correspondence as needed

Recording Secretary - keep track of Assembly credits for CE015

Treasurer - in charge of all monetary transactions including selling ASCE memberships

Activities Chair - organize picnic, Joint Dinner, and extra-curricular teams (softball, etc.)

Special Projects Chair - in charge of Highway Clean-Up and another volunteer project

Webmaster - in charge of updating and maintaining the ASCE website

Stu-Co Representative - attend all Stu-Co meetings and be a voice for the ASCE chapter

Freshman/Sophomore Rep. - be a voice for underclassmen, hang ASCE banner on Assembly days

Historian - keep a record of chapter events, take pictures and put together a scrapbook of semester

Newsletter Editor - update and make Newsletter for Assemblies, post Assemblies notices around Fiedler, email Newsletters to Advisory Council

Open House Chairs- 2 positions, full year in charge of organizing and making displays for Open House

Spring 2007 ASCE Officers

OFFICE	NAME	E-MAIL
President	Joyce Smith	jesmith@ksu.edu
Vice President	Chad Banka	cbanka@ksu.edu
Treasurer	Joey Holste	joeyh@ksu.edu
Corr. Secretary	Trent L. Dansel	tdansel@ksu.edu
Rec. Secretary	Wilson Smith	was4@ksu.edu
Newsletter Editor	Emily Frey	erf@ksu.edu
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Grad. Student Rep.	Brandon Decker	brd9889@ksu.edu
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Special Projects Chair		
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Webmaster	Douglas Duncan	douglas2@ksu.edu
Open House Chairs	Cody Cates	ccates@ksu.edu
	Eric Byrd	ebyrd@ksu.edu
Concrete Canoe Chairs		
	Bryan Donze	bdonze07@ksu.edu
	Paul Bruss	pjb2@ksu.edu
Steel Bridge Chairs	Josh Lipscomb	lipscomb@ksu.edu
	Steven Hammerschmidt	hammer@ksu.edu