



**Missouri Society of
Professional Engineers**

A state society of the National Society of Professional Engineers

*"Our mission is to promote the ethical
and competent practice of engineering"*

Ozark Chapter - December 2010 Newsletter

<http://www.mspe.org/index.html>

<http://www.ozarkelectric.com/MSPE/>

December Meeting



When: Thursday, December 2, 2010, 12 p.m.

Where: 425 Downtown

\$12 pay at the door

Program: To Be Announced

Chapter Meeting - Thursday, December 2, 2010

Mark Your Calendar



Next Chapter Meeting: January 6

Happy New Year!

2011 Bridge Contest Scheduled



Mark your Calendar! The bridge contest will be held on Wednesday, April 6, 2011 at Hammons Student Center on the Missouri State University campus. Setup will begin at 4:30 and testing will begin at 5:00. With enough volunteers, we hope to be finished with the competition by approximately 8:00 (or sooner).

Dilbert's Salary Theorem

(www.engineeringhumor.com)

Dilbert's "Salary Theorem" states that "Engineers and scientists can never earn as much as business executives, sales people, accountants and especially liberal arts majors."

This theorem can now be supported by a mathematical equation based on the following two well known postulates:

Postulate 1: Knowledge is Power.

Postulate 2: Time is Money.

As every engineer knows: $\text{Power} = \text{Work} / \text{Time}$.

Since: $\text{Knowledge} = \text{Power}$,
then $\text{Knowledge} = \text{Work} / \text{Time}$,
and $\text{Time} = \text{Money}$,
then $\text{Knowledge} = \text{Work} / \text{Money}$.

Solving for Money, we get:
 $\text{Money} = \text{Work} / \text{Knowledge}$.

Thus, as Knowledge approaches zero,
money approaches infinity,
regardless of the amount of
work done.



DILBERT © United Feature Syndicate, Inc.

Matt Stevens in Springfield

In April, Matt Stevens of Stevens Construction Institute, Inc. will be visiting Springfield. Matt is a nationally-acclaimed consultant to the construction industry and author of both *Managing a Construction Company on Just 24 Hours a Day* and *The Practical Construction MBA*, which presents "insights, processes, and management thinking about profitable construction contracting" (*The Construction Contractor's Digest*).

An informal evening session will take place April 4, 2011 where Matt will discuss his newest book. The next morning, Matt will give a presentation on the Missouri State University campus regarding the New Business Model of Construction Contracting.

For more information please contact
DianneSlattery@MissouriState.edu.

Master of Engineering

University of Missouri offers a Master of Engineering program. It is a 36 credit hour plan of study with specific requirements determined by the individual departments.

[Click here for more information.](#)

Reminder: Fall PDH Days

December 7 and 8, 2010

Registration Deadline: 5 p.m., December 1, 2010

Visit <http://www.mspe.org> for more information.

Welding Essentials for Construction Managers

9:00 a.m. - 4:30 p.m., Friday, December 3, 2010

Ozarks Technical Community College and Missouri State University will co-produce this event focusing on the topics of Basic Metallurgy of Welding, Weld Types: Geometrics & Welding Demonstration, Welding Management: What CMs Need to Know, and other Welding Case Studies. Additionally, Brad Parrish, P.E. will reference his 32 years of experience in presenting on Weld Inspection and testing.

Earn 6.5 PDH for the low-cost \$50 course, held at OTC's Center for Workforce Development.

[Click Here to see the Flyer](#) [Click Here to Register](#)

2011 National Healthy Homes Conference

February 8 - 11, 2011 at the Hilton Downtown Miami, Florida
Pre-Conference Workshops on Monday, February 7



The 2011 National Healthy Homes Conference gives “an excellent opportunity to examine new program directions and best practices; identify ways to stretch limited resources; build and sustain lead poisoning prevention, lead hazard control and healthy housing programs; learn how to pursue funding opportunities; discuss how to best undertake inspection, risk assessment, project remediation and clearance; and clarify how to utilize federal regulations to advance program objectives.” For more information on booth space or conference information please visit www.healthyhousingconferences.com.

Engineering Ethics Reminder

11:00 a.m. - 2:00 p.m., December 10, 2010

City Utilities of Springfield, Training Center Classroom, 2nd Floor

Instructors Dr. Paul Munger, PE and Dr. Bob Berry, PE provide insight into the ethics of engineering. The course fee of \$165 includes a box lunch and a certificate for 3 PDH.

Please RSVP by 5:00 p.m., December 8. [Click here for more information.](#)



Engineering News-Record Stories

(ENR.com)

Welders Detained in Deadly China High-Rise Fire

After a fire Wednesday, November 17, in a high-rise apartment building in Shanghai, China, police are investigating who is responsible. “Police said they were holding four unlicensed welders who were working on ‘energy-saving’ renovations, saying sparks from their welding had triggered the blaze, which quickly spread on bamboo scaffolding and nylon nets, shrouding the 28-story building.” According to the source, at least 53 people died, and more than 70 others were rushed to hospitals.

[Read More](#) [Watch Video](#)

Hope Fades in Search of Collapsed Indian Building

Poor construction and maintenance is being blamed for the collapse of a building in New Delhi, India, Monday, November 15, that killed at least 66 people and injured another 73. “The building was two floors higher than legally allowed, and its foundation appeared to have been weakened by water damage.”

[Read More](#) [Watch Video](#)

Associated Schools of Construction - Region IV

(Information courtesy of <http://region4.ascweb.org>)

During October 27-30, 2010, the North Central Associated Schools of Construction (ASC) - Region IV met at the Lied Lodge in Nebraska City, Nebraska for its annual conference. Twelve of the 14 universities in the seven-state region were represented. In attendance were 21 university faculty and 27 teams totaling 162 students. Events included this year were the ASC Region IV Midyear Meeting, Career Fair, curriculum breakout discussions for faculty, and the 18th Annual Construction Management Student Competition. Students, faculty and industry met for breakfast during the Career Fair.

Twenty-seven Construction Management teams from twelve different universities competed in the Commercial, Design Build, Heavy Highway, and Residential divisions. They used real plans and specifications from projects that have already been or are currently under construction. The overall intent was to place students in "real life" project management situations. In an 18-hour period, they had to schedule, estimate, run cost analysis, and resolve several issues that arise as the project is being built. A panel of judges from industry reviewed and graded the team proposals that were prepared in the 18-hr time period by the students. The proposals included the team's plans for managing and constructing the project. Students were asked to prepare and present their proposed ideas to the panel of judges. In order to facilitate such an environment, the judging panels were comprised of representatives from all facets of the construction industry.

Congratulations to the following Missouri State University teams and coaches:



Heavy Highway Division 1st Place

Luke Graham, Serge Antonuk, Andrew Underwood, Anthony Quinn, Brad Emory,
Coach Kerry Slattery



Design-Build Division 2nd Place

Andrew Windisch, Jay Jackson, Robert Deal,
Nick Lange, Austin Smith, Lindsey Recker,
Coach Dianne Slattery



If You Have News to Share...

Please contact Dianne Slattery at DianneSlattery@MissouriState.edu
The next deadline for news is December 20.