

ST. LOUIS ENGINEER

St. Louis Chapter Missouri Society of Professional Engineers

PUBLIC FORUM

The Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Landscape Architects (Board) invites all architects, professional engineers, professional land surveyors, landscape architects, building code officials, fire protection districts and mayors in and around the St. Louis, Missouri area to meet for an Open House Public Forum*. The forum is scheduled for Monday, May 3, 2010 from 12:00 p.m. – 1:00 p.m. in the Meadowbrook Room at the St. Louis Marriott West located at 660 Maryville Centre Drive, St. Louis, Missouri. You are cordially invited to attend this forum for the purpose of discussing with the Board any items of common interest relative to licensure, enforcement and regulation of architecture, engineering, land surveying and landscape architecture in the State of Missouri as set forth in Chapter 327, RSMo. If you are interested in current activities of the Board, this would be a good time for you to ask questions and provide personal input. Therefore, if you are interested in attending this Open House Forum, please return the RSVP portion of this invitation to the address provided; or, phone (573-751-0047), fax (573-751-8046) or email (moapels@pr.mo.gov) your response to the Board office by no later than 5:00 p.m., Thursday, April 29, 2010.

**This forum qualifies for one (1) CEU, PDH or PDU.
(Continuing Education Certificates will be handed out at the forum.)*

RSVP

I will be attending the Board's May 3, 2010 Open House Forum.

NOTICE:

There will be no April Program

Please watch in the May newsletter for information on the May Program and the Installation of Officers!

INSIDE THIS ISSUE...

- President's Message...Page 2
- MSPE St. Louis Chapter March Program...Page 3
- Announcements...Page 4
- MS&T...page 5



Each March and April, the NCAA basketball tournament garners more than its fair share of my time. I watch attentively as the Cinderella stories take down the game's powerhouses and average players take over games to become the darlings of the tournament. But this year, as I was watching a Sweet Sixteen game, one of the announcers used a phrase that caught my attention more than usual. Just when I thought one of my favorite teams was going to run away with the particular game, the other team went on a 10-2 run. The commentator mentioned that a certain guard had "engineered the comeback" with his great defensive play.

Engineering in sports? Maybe not in the literal sense, but figuratively, we engineers are known for getting things done. Isn't that what this guard did...he helped to make a comeback happen?

What happens when somebody asks you what you do for a living, and you tell them that you are an engineer? Do they typically say "oh yes, and engineer" and then proceed to ask you about mechanical or electrical or industrial or other engineering professions? Or do they get that glossy look on their face like you get when the auto mechanic tells you why your bill is \$1500 and you just asked for an oil change and asked them to check out this squeak? Or like when the doctor drops a bunch of six syllable words to tell you why your stomach hurts? Most people, when I first meet them and we get into talking about professions, think I am intelligent just by knowing I am an engineer. (However, when they get to know me, their opinion soon changes!) That being said though, it isn't a bad thing to have a stereotype of intelligence based on profession.

Engineers are everywhere and a part of almost everything, but we are certainly not on the front page of the paper like doctors, lawyers, or sports figures. We are the unsung heroes of the world, doing our jobs because we like the challenge of figuring out how or why. We don't seek the accolades or get the \$100 million dollar contracts, but our importance to everyday society is almost unparalleled. Let me give you an example:

Just think about one day of your life. Any ordinary day will do. You wake up in the morning, to an alarm clock, which an engineer certainly had a hand in creating. You stumble to the shower and turn it on. Water comes out of the showerhead. Engineers get the water to your house and helped to create the design and functionality of the shower head. You use shampoo and soap, both produced in a factory where engineers played a role. You dry off and shave with a razor (electric or straight razor doesn't matter because engineers made it happen). Then you brush your teeth and floss. Do you use one of those fancy electric toothbrushes and some of those fancy floss picks? I wonder who came up with those designs and produced them? Curling irons, hair dryers, the lights on the vanity.....The list is endless, and we haven't even made it out of the bathroom to have our first cup of coffee, get in our car, or drive over the bridge to our office building!

Point being, without engineers to brainstorm, design, configure, produce, package, or construct the things we use in our daily lives, what would our world look like? Would I even be able to watch all those basketball NCAA basketball games and see that guard "engineer a comeback" with great defensive play? I know two things for certain: I love March Madness and I sure am thankful for engineers.

Jason S. Dohrmann, P.E.
President, MSPE St. Louis Chapter

<p><u>St. Louis Engineer</u> Newsletter Editor/Advertising John F. Gagliardo, E.I.T., (314)534-1030 jgagliardo@davidmason.com Web Pages www.nspe.org, www.mspe.org</p>	<p><u>Board of Directors</u> President Jason Dohrmann, P.E., (636)519-0990 Vice Pres. Matt Tinker, E.I.T., (314)682-1598 Treasurer Bob Bechel, P.E., (314)232-1914 Secretary Jennifer Kuchinski, P.E., (314)421-1476</p>	<p><u>State Directors</u> Ed Austin, P.E. L. Scott Becker, P.E. Josephine Emerick, P.E. Breck Washam, P.E.</p>	<p><u>Chapter Directors</u> Allan Erdman, P.E. John Gagliardo, E.I.T. Christine Grunbaum, P.E. G. Scott Nall, P.E. Gerald Williams, P.E.</p>
--	--	--	--

MARCH PROGRAM HIGHLIGHTS

The annual luncheon updates from the Illinois Department of Transportation and the Missouri Department of Transportation was held on Friday, March 12, 2010 at the Engineers Club of St. Louis. Our guest speakers, Ms. Lamie and Mr. Hassinger, provided updates on projects and discussed the current state of their districts and possible outlooks on the future.

Ms. Mary Lamie, P.E., (Shown in the photo below) holds a B.S. in Civil Engineering from the University of Missouri-Columbia and a M.S. in Civil Engineering from the University of Missouri-Rolla. She is the Deputy Director of Highways, Region Five Engineer for the Illinois Department of Transportation. (Region Five consists of 3,300 state highway miles, 1700 bridges and has a \$1.3 billion multi-year program.) She is responsible for the development and implementation of the region's state transportation program. This program includes funding for the new St. Louis Mississippi River Bridge, the 37 mile Gateway Connector, IL 255 extension and Corridor US 67.



Mr. Ed Hassinger, P.E., (Shown in the photos above and left) serves as the leader for state transportation needs in MoDOT's St. Louis Metro District. Ed became the St. Louis District Engineer in July 2000. As district engineer, Ed is responsible for 870 employees encompassing planning, design, construction and maintenance. He has developed very strong working relationships with local and state governments to serve Franklin, Jefferson, St. Charles and St. Louis counties and the City of St. Louis. In St. Louis, Ed is emphasizing better planning with partners in the community, aggressive efforts to preserve our existing infrastructure and greater investment in the transportation system in St. Louis.

Did You Know The Internal Revenue Service Employs Engineers?

The next time you fill out your federal income tax forms or get audited by the IRS, think twice about allowing your anxiety level to rise. You just might be dealing with one of your own kind, someone who can speak your language. Why? It is because the Internal Revenue Service employs Engineers to assist with taxpayer audits.

There are approximately 350 IRS Engineers located nationwide who do work that is, in simple terms, one-third Engineering, one-third Accounting and one-third Law. The Engineers have engineering degrees. Some have additional degrees in engineering, business administration or other disciplines, and have worked in industry or business prior to entry into the IRS. They are considered part of the Field Specialists Group in the IRS, and are requested to be part of an audit team when there are engineering issues. Generally, they are involved in 5 to 10 open cases at one time. Also, it is not uncommon for them to assist the IRS Appeals and legal Counsel personnel, or even to testify in court, drawing upon their engineering expertise. Their work includes such issues as valuation, evaluation of research, cost segregation studies, petroleum and mining issues, as well as many other areas related to tax law.

The excerpts from the article in Engineering Professional magazine March/April 2005 by Joseph G. Steinhage, P.E.

OPPORTUNITIES FOR WOMEN IN ENGINEERING

Thursday, April 29th, 2010

5:30 p.m. – Reception

6:00 p.m. – Dinner

ENGINEERS' CLUB OF ST. LOUIS

4359 Lindell

St. Louis, MO 63108

GUEST SPEAKER

Dr. Sheila Grant

Associate Professor

Department of Biological Engineering

Meet students who belong to the Society of Women Engineers and hear an update from MU SWE President, Katie Tepper on the events throughout the year.

Please join us for an open forum and round table discussion to share your career success with future engineering students and parents!

RSVP by April 23rd to Nicole Theberge, 1.800.560.0835, email ThebergeN@missouri.edu.

Alumni & Friends – There is a \$15.00 charge to attend this event.

Register on-line at www.mizzou.com or call Nicole at 1.800.560.0835

EVENT SPONSORED BY THE MU ENGINEERING ALUMNI ORGANIZATION

DEATH NOTICE

Mr. Albert S. Keevil, Jr., P.E. died February 22, 2010. He was a long time member of the MSPE and Past President before he moved the family to California. Even while living & working in California for the next 50+ years, he kept up his membership in MSPE. The family has asked the MSPE St. Louis Chapter to post this death notice to the membership.

Comprehensive Engineering Services



425 S. Woods Mill Rd. Suite 300
Chesterfield, MO 63017

Phone: 314 682-1500
Fax: 314 682-1600
www.burnsmcd.com



*creating remarkable solutions
for a higher quality of life*



St. Louis + O'Fallon + Kansas City

314.231.0100 - SL 636.240.2444 - OF 816.421.1300 - KC www.gbateam.com

**HORNER &
SHIFRIN, INC.**
ENGINEERS
www.HornerShifrin.com

Our roots run 75 years deep!

ATTENTION: FEMALE STUDENTS INTERESTED IN ENGINEERING

Have you dreamed of building your own car...managing a company...
designing perfumes...designing roads & bridges?

If so, consider becoming an engineer at Mizzou!

Thursday, April 29th, 2010

5:30 p.m. – Reception

6:00 p.m. – Dinner

ENGINEERS' CLUB OF ST. LOUIS

4359 Lindell

St. Louis, MO 63108

GUEST SPEAKER

Dr. Sheila Grant

Associate Professor

Department of Biological Engineering

Meet students who belong to the Society of Women Engineers and hear an update from MU SWE President, Katie Tepper on the events throughout the year.

Please join us for an open forum for parents & students to discuss opportunities for females interested in engineering.

RSVP by April 22nd to Nicole Theberge, 1.800.560.0835, email ThebergeN@missouri.edu, or register online at www.mizzou.com.

Tickets for parents and students attending are \$5.00/family

EVENT SPONSORED BY THE MU ENGINEERING ALUMNI ORGANIZATION



Missouri University of Science and Technology Engineering Education Center in St. Louis

The Missouri University of Science and Technology-Engineering Education Center in St. Louis offers M.S. degrees in Aerospace, Civil, Computer, Electrical, Environmental and Mechanical Engineering, Engineering Management, Engineering Mechanics and new Internet-based M.S. and M.Eng. Degrees in Manufacturing Engineering to working engineers.

The Center started its operations in 1964. Over 2,500 engineers used this excellent opportunity to enhance their knowledge and status. All classes are offered in the evening. 10 classes are needed to acquire a M.S. degree that will affect your entire professional life.

For more information, call (314) 516-5431 or visit the MST website: www.eec.mst.edu.

URS
ENGINEERING THE FUTURE

Please contact **Mel Millenbruck** at 314.429.0100 or visit www.urscorp.com for more information on URS.



SHANNON & WILSON, INC.

To discover our total geotechnical and environmental capabilities call (314) 699-9660 or visit www.shannonwilson.com

GEOTECHNOLOGY
FROM THE GROUND UP

**25 Years of Engineering
Strong Communities**

Geotechnical • Environmental • Geophysics • Drilling
Materials Testing • Non-destructive Testing

Call or visit us online to learn more!
(314) 997-7440 • geotechnology.com

25th
Anniversary
1984 - 2009

Quality
Integrity
Partnership
Opportunity
Responsiveness



MARK YOUR CALENDARS

MSPE St. Louis Chapter Board Meeting Dates:

September 17th at 7:00 am - Engineers' Club, St. Louis, MO
October 15th at 7:00 am - Engineers' Club, St. Louis, MO
November 19th at 7:00 am - Engineers' Club, St. Louis, MO
December 17th at 7:00 am - Engineers' Club, St. Louis, MO
January 21st at 7:00 am - Engineers' Club, St. Louis, MO
February 18th at 7:00 am - Engineers' Club, St. Louis, MO
March 18th at 7:00 am - Engineers' Club, St. Louis, MO
April 15th at 7:00 am - Engineers' Club, St. Louis, MO
May 20th at 7:00 am - Engineers' Club, St. Louis, MO

MSPE St. Louis Chapter Program Dates:

Please note the following chapter program dates except for the March Program are tentative and subject to change. See the monthly MSPE St. Louis Chapter *St. Louis Engineer* newsletter for the most up to date program information.

Friday, April 7th - 9:00 am to 5:00 pm - Electronics, Electrical, Engineering, And Manufacturing Show, St. Charles Convention Center, St. Charles, MO

Thursday, April 29th - 5:30 pm - Opportunities for Women in Engineering, Engineers Club of St. Louis, St. Louis, MO

Monday, May 3rd - 12:00 pm to 1:00 pm - Public Forum hosted by the Mo Board of Professionals, St. Louis Marriot, St. Louis, MO

Missouri Society of Professional Engineers St. Louis Chapter

The Engineers Club of St. Louis
4359 Lindell Boulevard
St. Louis, MO 63108



Address Correction Requested