

# ST. LOUIS ENGINEER

St. Louis Chapter Missouri Society of Professional Engineers

*Everyone at the MSPE St. Louis Chapter would like to wish all of our members and their families a safe and Happy Holiday Season!*

*We would also like to take this time to ask our members to participate in the MSPE's First Annual Holiday Food Drive to benefit the St. Louis Area Foodbank. The deadline for donations is December 17th! Take the time to drop off some canned goods, non-perishable items or cash donations to help out those less fortunate individuals in the St. Louis area. Please see below for drop-off locations.*

## Holiday Food Drive



MSPE is sponsoring its First Annual Food Drive to benefit the St. Louis Area Foodbank. Canned goods, non-perishable items, and cash donations (payable to MSPE - St. Louis Chapter) are needed. Donations will be accepted at four convenient locations around the area until Thursday, December 17<sup>th</sup>. Please help MSPE in making this holiday special for those in need.

**The Engineer's Club of St. Louis**  
4359 Lindell Blvd.  
St. Louis, MO 63108  
Contact: Kurt Krispin

**Horner & Shifrin, Inc.**  
5200 Oakland Avenue  
St. Louis, MO 63110  
Contact: Allan Erdman

**HR Green Company**  
16020 Swingley Ridge Rd.  
Suite 120  
Chesterfield, MO 63017  
Contact: Jason Dohrmann

**Kuhlmann Design Group**  
66 Progress Parkway  
St. Louis, MO 63043  
Contact: Scott Nail

### Hurry - only thru 12/17/09



St. Louis Chapter  
Missouri Society of Professional Engineers

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I write this message just before Thanksgiving, it seems very appropriate to step back, and reflect on the blessings we have been given as Engineers.

We are very blessed to have the gifts of our profession: education, meaningful work which benefits society as a whole, financial security, and creative thinking. We are faced daily with challenges that require creativity, and routinely present solutions founded on technological and scientific discovery. Not all professions can relate to these gifts. We often take our jobs and profession for granted, but upon reflection, it is obvious that we shouldn't. I reiterate...we are truly blessed.

Looking forward, I'd like to outline a few of the upcoming initiatives and strategies of the Chapter as we head into the Holiday Season.

**MSPE Food Drive** – As I mentioned in my first President's message, I wanted to try to give back to the community in the form of a service project. In years past we have helped cook at the Ronald McDonald House, and built houses for Habitat for Humanity. This year, we are focusing our attention on those in our community who don't have the means to put food on the table. The flyer on the front cover outlines the program which was intended to keep members active in December, a month when traditionally we don't have a Chapter program. I hope you will get involved, and engage others at your place of employment to join us in our efforts.

**Electronic Newsletter** – MSPE, not unlike other organizations and businesses, is facing rising costs with the production of our newsletter. This, combined with decreased revenues from sponsors, has placed the newsletter in the red. In order to be more fiscally responsible with the Chapter's funds and to be better environmental stewards of the Earth's resources, the Board has elected to go entirely electronic with the newsletter by August 2010. We will make every attempt to have hard copies available on a limited basis (although not professionally printed and mailed) for those members without access to a computer. More information is forthcoming in future newsletters.

**Chapter Bylaw changes** – The Chapter is currently in the process of trying to update our bylaws to be more in line with MSPE and NSPE. Please reference the article in this newsletter and the website for more information. This update is long-overdue to help us meet the needs of our Chapter in the 21<sup>st</sup> Century

In closing, I'm thankful for the opportunity to serve the St. Louis Chapter of MSPE and thankful for the Board that helps to make our organization very strong. I'm also thankful for you, our members, who care about your profession. You joined MSPE to help promote the protection of the public health, safety and welfare through the ethical and competent practice of engineering, and the Board and I are here to serve you. If there is ever anything more we can do, please don't hesitate to contact any one of us.

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>
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# 2010 PE REFRESHER COURSE

for Civil, Mechanical and Electrical Engineering

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"MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS"

Missouri Society of Professional Engineers is once again scheduling a PE refresher classes in three disciplines: Civil, Mechanical, and Electrical Engineering. These classes will be held at the St. Charles Community College on the following seven Saturdays from February 20-April 10. The cost will be \$450 per each MSPE or SAME member, \$500 per each member of ASCE, ASME, ASHRAE or IEEE or \$550 per each non-member. Registration deadline is February 12, 2010. First class will tentatively meet in the Humanities Building (HUM) Room 216 on the St. Charles Community College campus. For more information, go to

[http://www.mspe.org/chapters/Chapter9/092009\\_MSPE\\_PE\\_refresher.PDF](http://www.mspe.org/chapters/Chapter9/092009_MSPE_PE_refresher.PDF)

Reference books and other material can be purchased from Professional Publications, Inc. If this is done through the MSPE website, students will receive a 15% discount.

The link to PPI: [http://ppi2pass.com/ppi/PPIShop\\_psp\\_SX330](http://ppi2pass.com/ppi/PPIShop_psp_SX330)

## SEMINAR FOR ST. LOUIS LAND DEVELOPMENT PROFESSIONALS

**When:** February 3, 2009 from 7:30 a.m. to 12:30 p.m.  
**Where:** The Engineers' Club of St. Louis, 4359 Lindell Boulevard, St. Louis, MO

Many local land development professionals – property owners, real estate brokers, developers, architects, engineers and builders – would like to have a better understanding of the role the U.S. Army Corps of Engineers (USACE) and the Federal Emergency Management Agency (FEMA) play in the land development process. Designed to demystify their regulatory agenda, this seminar will help those wanting to build in metropolitan St. Louis understand the: USACE mission, boundaries and communication procedures, Levee certification (and decertification) issues and levee safety programs, Regulatory process and procedures, USACE jurisdiction in our post Rapanos era, Regulatory permitting process and Federal compensatory mitigation regulations. Seven senior professionals from USACE and FEMA will join us for this timely, industry specific, no nonsense program. Continental breakfast and lunch are included.

Participating organizations include: The Engineers' Club of St. Louis, Commercial Realtors Association of St. Louis, NAIOP – Commercial Real Estate Developers Association – St. Louis Chapter, ASCE – American Society of Civil Engineers – St. Louis Sec, APWA – American Public Works Association – St. Louis Branch, ACECMo – American Council of Engineering Companies of Missouri, ISPE – Illinois Society of Professional Engineers – St. Clair Chapter, MSPE – Missouri Society of Professional Engineers – St. Louis Chapter, SAME – Society of American Military Engineers – St. Louis Post, NSBE – National Society of Black Engineers – Gateway Chapter.

MARK YOUR 2010 CALENDAR NOW AND WATCH FOR REGISTRATION DETAILS IN THE NEXT NEWSLETTER!

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# COMMENTS ON NEW CHAPTER BYLAWS SOUGHT!

The St. Louis Chapter of MSPE has been operating under a Constitution and Bylaws that were last updated in 1996. Led by NSPE, the MSPE State Society has eliminated its Constitution component and is now governed by a set of Bylaws. In order to align the Chapter, we wish to propose the same. Moreover, in the course of 15 years, it is customary for culture and technology to change the approach of managing an organization. Therefore, the St. Louis Chapter has made several cosmetic changes to the existing bylaws which meet the needs of the 21<sup>st</sup> century and conform to the by-laws of NSPE and those adopted by MSPE in June, 2009. Electronic ballots, email correspondence, the elimination of the office of President-Elect (combined with Vice-President) as well as other changes can be found in the draft version of the Bylaws. To view these changes, go to [www.mspe.org/chapters/stlouis.html](http://www.mspe.org/chapters/stlouis.html). In order for the Chapter to complement the members and work effectively, it is important to have your comments. Please contact any of the officers listed on the front cover of the newsletter via email or phone. It is the intent of the Chapter to submit the draft Bylaws to the State society for their approval at the late January 2010 Board Meeting. Pending State Board approval, a ballot will be issued to the membership to dissolve the Constitution. Moving forward, Bylaws will be amended by the Board of Directors, thus streamlining the organization.



## MSPE SPONSORS ST. CLAIR FUTURE CITIES COMPETITION

The 7<sup>th</sup> grade gifted students in Jennifer Hawkins' St. Clair Edgar Murray School are off to a great start on their Future Cities projects. The essay theme this year is... "PROVIDING AN AFFORDABLE LIVING SPACE FOR PEOPLE WHO HAVE LOST THEIR HOME DUE TO A DISASTER OR FINANCIAL EMERGENCY." One group has chosen an island as their city location and their disaster is flooding. Their other group has chosen a cold region and their disaster is blizzards. They have been researching ways to protect themselves from these disasters as well as "green living" tips, and are busy incorporating some of the ideas from last year such as rain water harvesting and gray water systems.

The students placed fourth last year and already have their sights set higher this year. Through MSPE St. Louis Chapter member Ron Kadane's mentoring (pictured above with students from the teams), they have a great start on their SIMCITY computer model, and already have over 60,000 people living and working in their city after just two days.

The National Engineers Week Future City Competition is an example of problem based learning with computer simulation. It is an integrated, multidisciplinary, holistic approach to relevant issues and is a strong example of STEM (Science, Technology, Engineering, & Mathematics) education that addresses national and state academic content standards. The program asks 7th and 8th grade students from around the nation to team with engineer-volunteer mentors to create — first on computer and then in large, three-dimensional models — their visions of the city of tomorrow. The St. Louis Chapter of MSPE sponsors the St. Clair students both monetarily and through volunteers such as Kadane. For more information about the competition or for how you can volunteer, please visit [www.futurecity.org](http://www.futurecity.org).

# MSPE ST. LOUIS CHAPTER SCHOLARSHIP PROGRAM

The Missouri Society of Professional Engineers St. Louis Chapter will award one (1) \$1,250 scholarship and one (1) \$1,000 scholarship to high school seniors.

To be eligible, this student must enroll in an engineering program that has been accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET-EAC) or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with one of the named schools listed below. The top-scoring candidate will be awarded the MSPE St. Louis Chapter Scholarship. The recipient is chosen in the spring from a chapter wide competition. The scholarship is awarded after enrollment verification in the fall semester at one of these state institutions:

These scholarships are awarded to high school seniors preparing to attend one of the following Missouri schools of engineering or one of the approved transfer programs:

College of the Ozarks, Point Lookout, MO

Southeast Missouri State University, Engineering Physics Program (BS), Cape Girardeau, MO

Southwest Missouri State University, Computer Science (BS), Springfield, MO

St. Louis University, Parks College of Engineering & Aviation (AE, EE, ME), St. Louis, MO

Truman State University, Pre-Engineering 2-year Program (University of Missouri System), MO

University of Missouri-Columbia, College of Engineering, Columbia, MO

University of Missouri-Kansas City, School of Engineering, Kansas City, MO

University of Missouri-Rolla, School of Engineering, Rolla, MO

University of Missouri-Rolla, School of Materials, Energy, and Earth Resources, Rolla, MO

University of Missouri St. Louis/Washington University Joint Undergraduate Engineering Program Washington

University, School of Engineering and Applied Sciences, St. Louis, MO

Eligibility is limited to students who reside within the Chapter boundaries. Applicants must reside in one of the following Counties: Franklin, Jefferson, Lincoln, St. Louis, St. Charles, or Warren

The Deadline for scholarship application (postmark) is December 21<sup>st</sup>, 2009. If you have any questions or require additional information, please feel free to contact me.

## Eligibility Requirements for St. Louis Chapter Scholarship:

- 1) Be a high school senior
- 2) Be a citizen of the United States at the time of application
- 3) Have at least a 3.0 grade point average (based on a 4.0 scale) for the 10<sup>th</sup> and 11<sup>th</sup> grades.
- 4) Have at least a minimum score on the American College Testing Program (ACT) test of 29 in Math and 25 in English.
- 5) Must enroll in an engineering program that has been accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET-EAC) at one of the following state institutions or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with one of the named schools listed.
- 6) Reside in one of the following Counties: Franklin, Jefferson, Lincoln, St. Louis, St. Charles, or Warren

For application go to:  
<http://www.mspe.org/chapters/Chapter9/092009-2010StLouisScholarshipApplication.pdf>

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## 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 dates except for the September Lunch 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.

**Thursday, December 17th** - Deadline for donations for the 1st Annual MSPE Holiday Food Drive to benefit the St. Louis Area Foodbank-See front cover for drop off locations.

**Tuesday, December 8th and 9th** - 6th Annual MSPE Fall PDH Days, Capitol Plaza Hotel, 415 W. McCarty St., Jefferson City, MO

**December** - No Program

**January** - MSPE St. Louis Chapter Program, MoDOT/IDOT Update, Time TBA, Engineers' Club, St. Louis, MO

**Wednesday, February 3rd from 7:30 am to 12:30 pm** - Seminar for St. Louis Land Development Professionals, Engineers' Club, St. Louis, MO

**February - Engineers Week** - Multiple Events TBA

**Tuesday, March 23rd at 12:00 pm** - MSPE St. Louis Chapter Lunch Program, Speaker TBA, Engineers' Club, St. Louis, MO

**Tuesday, April 27th at 12:00 pm** - MSPE St. Louis Chapter Lunch Program, Speaker TBA, Engineers' Club, 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