



The Missouri Engineer

The Official Publication of the Missouri Society of Professional Engineers
whose mission is to promote the ethical and competent practice of engineering

What's Inside:

2 Educational Foundation Annual Appeal

4 Proposed Licensure Law Changes

5 Software Licensure

6 2009 Leaders Workshop Highlights

7 Award Winners at NSPE's Annual Meeting

8 Fall PDH Days Registration

At MSPE Executive Committee Meeting:

FE Exam Policy Proposed As Graduation Requirement

Making passage of the NCEES Fundamentals of Engineering (FE) exam a graduation requirement for Missouri's engineering schools generated considerable debate at the October 16, 2009 meeting of MSPE's Executive Committee. The discussion concluded with a vote to support a policy of "requiring students to pass or "make a good faith effort" to pass the NCEES Fundamentals

of Engineering exam as a graduation requirement from an ABET accredited engineering program."

The issue of passing the FE exam as a graduation requirement was discussed informally at both the MSPE Annual Convention in June 2009 and in August at the National Society of Professional Engineers Annual Meeting. Throughout those meetings, MSPE leaders

learned several universities already require students to take and pass the FE test as a graduation requirement. Some universities offer an FE review course that is a required course in their degree programs. Other universities require a "good faith effort" on the student's part to pass the FE test. The requirements and definition of "good faith effort" vary by school. However, all of these requirements are more stringent than the current policies of

Missouri's engineering schools.

Because MSPE's founding is built on the principal that professional licensure is a significant advantage in an engineer's career path, the Executive Committee decided to issue a letter encouraging Missouri's engineering schools to follow MSPE's lead by adopting a strong policy of FE test passage as a graduation requirement to help engineering students

See Policy, Page 3

Internal Audit Conducted

In accordance with MSPE's Financial Audit Policy, MSPE's Audit Committee conducted a review of the society's financial records for fiscal year 2008-2009 on October 27, 2009 in the MSPE office. The audit policy describes a system of internal and external audits and provides a 10-point check list to be completed for the internal audit.

MSPE President Benjamin

A. Ross, P.E., appointed MSPE Treasurer Neil Brady, P.E., Central Chapter member and MSPE Past President Kensey Russell, P.E. and Jefferson City Chapter Vice President David Bange, P.E. to perform the audit. The committee will report their findings at the MSPE Board of Directors meeting on January 23, 2010.



Audit Committee Members J. Kensey Russell, P.E. and David Bange, P.E. review MSPE's financial records for fiscal year 2008-2009. Results of the internal audit will be reported at the Winter Board of Directors Meeting.



Cohen Scholarship Winner

MSPE Educational Foundation President Benjamin A. Ross, P.E. presents the Cohen Scholarship Award to UMKC School of Computing and Engineering student Kathryn (Katie) Horner of Independence, Missouri while UMKC-SCE Dean Kevin Truman looks on. This is the second year that Miss Horner was selected for an MSPE Educational Foundation Scholarship. The scholarship presentation took place during a lunch visit by NSPE President Sam Grossman, P.E. with UMKC-SCE students.

Policy

(from Page 1)

achieve all the advantages their education allows.

Subsequent to the Executive Committee's meeting, President Benjamin A. Ross, P.E. wrote an informational letter regarding the issue to MS&T Provost Dr. Warren Wray; Dr. Manoj Patankar, St. Louis University, Dean of Parks College of Engineering, Aviation and Technology; Dr. Salvatore Sutera, Washington University, Dean of the School of Engineering and Applied Science; Dr. James E. Thompson, P.E., University of Missouri, Dean of Engineering; Dr. Kevin Truman, UMKC Dean of the School of Computing and Engineering. Ross' letter asked each of the engineering schools to share the policy with their department chairs and provide MSPE the school's views on the subject.

In other MSPE action, the Executive Committee:

- Approved the Financial Report through September 30, 2009 provided by Treasurer Neil S. Brady, P.E. who pointed out dues income is about the same as last year for the same time period and The Missouri Engineer advertising income is up primarily due to the impending release of The Black Book publication.
- Examined the Membership Status Report showing a total membership of 1440; including 32 two-tiered (state and chapter only) members. The breakdown of two-tiered members includes nine new members, three members that have rejoined MSPE, and 20 renewing members.
- Reviewed the Membership Communication Report submitted by Membership Chair Brandon G. Keith, P.E. Executive Committee members stressed having this report is very helpful. They recommended developing a standardized method of reporting to make it become a more powerful tool. President Ross indicated he would email the Executive Committee's ideas to the chapter membership chairs.
- Accepted Executive Director/Secretary Bruce A. Wylie's report indicating staff has focused a lot of activities on new member recruitment. Enterprise Membership letters of invitation were sent to key principals of ACECMo member firms as well as the Missouri Department of Transportation's District Engineers. The Executive Committee suggested additional letters may

need to be sent to other supervising staff within the MoDOT districts and also to supervising staff in the headquarters building. Another suggestion was to look at key municipalities within the state. MSPE's Executive Director also reported he has asked the Practice Divisions to also become involved in recruiting new members.

- Authorized a waiver of dues for Gerald Hitt, P.E. due to medial circumstances.
- Received an update on the plans for 2010's Annual Convention at The Resort and Yacht Club @ Toad Cove. The planning committee has selected a keynote speaker, some PDH session presenters, asked each practice division to come up with a PDH session and speaker in their area of interest, and requested the attendance of NSPE President-Elect Michael Hardy, P.E.

Educational Foundation

Acting as the Educational Foundation Executive Committee, they:

- Approved the September 30, 2009 Financial Report presented by Treasurer Neil S. Brady, P.E.
- Heard from Executive Director Wylie the parking lot had been re-constructed and overlaid within budget.

The next Executive Committee meetings will be held January 22, 2010 at the MSPE Educational Foundation Building in Jefferson City.

T O U R



Members of the MSPE Executive Committee and staff had an opportunity to tour The Resort & Yacht Club @ Toad Cove at the Lake of the Ozarks which will be the site of the 2010 and 2011 MSPE Annual Conventions.



MSPE Urges P.E. Licensure For Department Chair Of New Civil Engineering Program At SLU

MSPE President Benjamin Ross, P.E. and MSPE Professional Engineers in Higher Education Practice Division Chair Dr. Charles Morris, P.E., Ph.D. co-signed a letter to Dr. William Thacker Ph.D., the chair of St. Louis University's (SLU) Civil Engineering Department Chair Search Committee, congratulating the university on their newly formed civil engineering program and strongly urged them to select a Licensed Professional Engineer for the department chair.

SLU launched a new undergraduate degree program in Civil Engineering in the 2009-2010 academic year. The program will focus on sustainable

engineering and green technologies in order to meet the U.S. Department of Labor and Statistics' projection that civil engineering will experience 18 percent growth through 2016, faster than the national average for all occupations. SLU previously offered Civil Engineering between 1956 and 1971.

A search for the Civil Engineering Department Chair is currently underway. An employment opportunity notice and job description has been circulating through the local engineering community listing several desirable qualifications including "an earned doctorate in civil engineering, appropriate administrative

experience, and accreditation experience". Notably absent from the list of desirable qualifications was Professional Engineering Licensure.

MSPE's letter cited Missouri State Law defining "engineering teaching of advanced engineering subjects" as the practice of engineering, which

a physics professor, had several questions concerning professional engineering licensure requirements. He indicated he shared MSPE's letter with the rest of the search committee and said they hoped to be making a selection later in the year.

MoAPELSLA Wants/Receives Support For Licensure Law Changes

Members of the Professional Design Alliance met on September 1, 2009 with members of the Missouri Board for Architects, Professional Engineers, Land Surveyors and Landscape Architects (MoAPELSLA) to discuss proposed changes to the licensure law overseeing professional engineers, architects, land surveyors and landscape architects. The Professional Design Alliance is composed of professional engineers, architects, land surveyors, and landscape architects representing the Missouri Society of Professional Engineers (MSPE), the American Council of Engineering Companies of Missouri, the American Institute of Architects of Missouri (AIA Missouri), Missouri Society of Professional Surveyors, and the Missouri Association of Landscape Architects.

The purpose of the meeting was to reach agreement on the proposed changes to Chapter 327, which spells out the licensure of the four professions and other mutual legislative priorities, already approved by the MoAPELSLA board. Discussion concerning vacancies on the MoAPELSLA board and strategies to get Missouri Governor Jay Nixon to fill the vacancies as well as the Memorandum of Understanding (MOU) with the Geologist

Board also took place.

MoAPELSLA engineering division member, Kevin Skibiski, P.E., a past president of MSPE, summarized the changes MoAPELSLA wants to introduce in enabling legislation. The changes include: adding a fourth professional engineer to the Board; allowing all three landscape architects to have a vote; defining service as a faculty member holding the rank of assistant professor or higher as active practice of Landscape Architecture; mandating that the chair of the MoAPELSLA board rotate sequentially beginning with an architect, then professional engineer, then land surveyor, then landscape architect; and clarifying the immediate personal supervision language. Skibiski told the Alliance members the MoAPELSLA board voted unanimously to support these changes. The exact same language was proposed last year but was opposed by AIA/Missouri.

The issue of adding the fourth engineer board member has been a major sticking point with some AIA Missouri members while language setting up a rotation for the chairman of the board has been an issue with MSPE. In round numbers there are 13,800 licensed engineers

in Missouri and 4,300 architects. The three-member engineering division must work feverishly to complete their work. All members of the MoAPELSLA board recognize the engineering division needs more members to complete their work within a reasonable amount of time. MoAPELSLA Executive Director Judy Kempker said that based on work load there should be six engineers. After lengthy discussion by one of the architects on the issue of work load and whether the Landscape Architects, with only 300 licensees, should have three members on the MoAPELSLA Board, MSPE's Government Relations Chair John Huss, P.E. asked the architects present which parts of the proposed legislation they wanted removed. Skibiski and other MoAPELSLA Board members immediately emphasized they wanted the proposed legislation passed in its entirety without being piecemealed. At this point, the architects present said they were not authorized to speak for AIA Missouri because only the full AIA Missouri board can take such actions. Three of the four architects present thought the full AIA Missouri Board would support the MoAPELSLA Board's proposed legislation. Subsequently, the AIA Missouri Board

voted unanimously to support the proposed changes at their meeting on September 11, 2009. All of the other professional societies' representatives present stated they supported the proposed changes to Chapter 327.

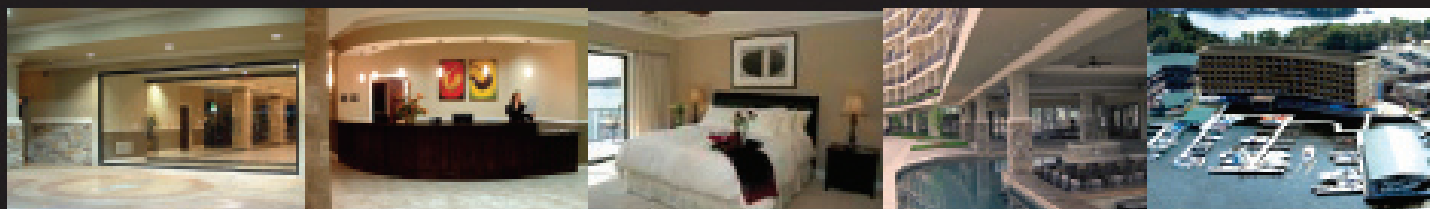
Alliance members agreed that more action on their societies' parts will be required to spur the governor to fill the current and upcoming vacancies. With vacancies and expiring terms, there may be as many as 11 new members on the MoAPELSLA Board in the next year. Kempker said she expects the governor to begin making appointments soon.

MoAPELSLA board members reported the Missouri Geologist Board wants to revisit the current MOU between the two boards. The MOU states that in areas of overlapping practice the geologists will address geology related complaints and MoAPELSLA will address engineering related complaints. In the past 10 years, there has only been one cross-over complaint that utilized the MOU. MoAPELSLA board members said they think the current MOU is working well and do not see the need for any changes.



2010 Annual Convention

"charting a new course"



Hop On Over To Toad Cove

luxury accommodations

resort setting

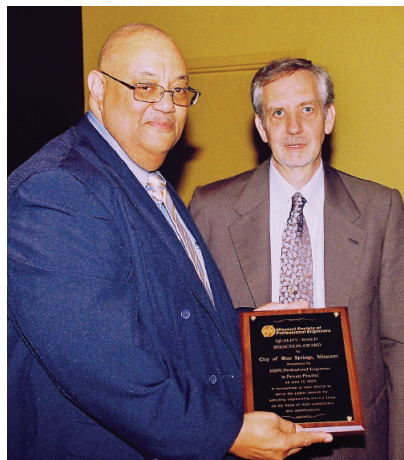
family fun

networking

pdh sessions

June 13-16, 2010 The Resort and Yacht Club @ Toad Cove Lake Ozark, Missouri

2009 MSPE PEPP QBS Award Given To City Of Blue Springs



Dr. Oliver DeGrate, P.E. (left), Director of Public Works for the City of Blue Springs, Missouri, accepts the 2009 MSPE PEPP QBS Award presented by PEPP Awards Chair David Howe, P.E. (right). The QBS award is given by the society's Private Practice group to honor public or private sector entities that use Qualifications Based Selection methods to procure the professional engineering services at state and local levels. With nearly 40 years of experience in city government and Public Works Director for Blue Springs since 1993, Dr. DeGrate recognizes the value gained through the QBS process and is quick to

defend the city's procedure of selecting engineering services based on skill and experience rather than just price. The award was presented at the September 17, 2009 meeting of the MSPE Western Chapter before NSPE President Samuel W. Grossman, P.E., because Dr. DeGrate was unable to accept the award at MSPE's 2009 Annual Convention in June.

A Path for Software Engineering Licensure

By Robert G. Becnel, P.E.



Software Engineering has matured over the last 30 years to the point that it is accredited by ABET in 17 schools in the United States. Missouri's Department of Labor projects a little more than 30%

growth in software engineering through 2014 and that number increases to 40% for the entire country by the US Department of Labor. It is evident by observation that software has considerable involvement in many engineering systems that our profession designs. However, software does concern the health, safety and welfare of mankind which makes it necessary to have a professional engineering licensure path for Software Engineering.

Health, safety and welfare examples exceed the space available, but one often used is that of hospital instrumentation used to monitor patients. This example includes extensive software that incorporates many different computing systems and multiple manufactured products that have a direct affect on the life and safety of a patient. Missouri citizens ought to expect the described engineering design to follow a process of requiring sealed artifacts and a responsible charge role of the lead engineer much like our road and bridge designs.

In early 2000, NSPE PEI formed a Task Force that was charged to detail a licensure path for Software Engineering. The outcome described a path similar to current

professional engineers: ABET accredited engineering degree, a Fundamentals exam, 4 years experience, a Principles and Practice exam, Software Engineering licensed by the State Licensure Board. The Principles and Practice exam would be a new exam developed through NCEES based on Software Engineer.

Over the last two years, members from NSPE, NSPE PEI, the Texas State Board of Licensure and the IEEE organization, worked together as part of the NSPE-sponsored Software Engineering Licensure Consortium (SELC). The SELC achieved three significant accomplishments: 1) agreed on a common path toward licensure, 2) identified IEEE-USA as the lead technical society for the new exam and, 3) secured the prerequisite of ten State License Boards (including Missouri) that would make a formal NCEES request for development. Items #2 and #3, were presented and approved by the NCEES Board of Directors on August 11, 2009 in Louisville, KY granting the go-ahead for NCEES to develop a Principles and Practice exam in Software Engineering.

As exam development proceeds, our profession has a responsibility to educate the State Licensing Boards and the public to what aspects of Software Engineering require regulation and oversight. This also presents an opportunity for our Society to reach out to an entire new group of practicing engineers, hence increasing and diversifying the membership. PEI has nurtured Software Engineering to the point that the responsibility now belongs to the entire Society as Software Engineering is not limited to Industry.

Central Chapter's Outreach Works

Rick Kaufmann, P.E.

MSPE Central Chapter President Central Chapter's meeting on September 15 was the largest-attended chapter meeting in several years. While our meetings have been averaging 10-20 attendees, 48 showed up for the September meeting. This was the result of a strategic outreach plan for first meeting of the year, that included:

- contacting past presidents of the chapter, and asking them to re-engage in MSPE recruiting and chapter activities,
- asking members to invite non-member colleagues to the meeting,
- subsidizing some of the cost of lunch, so the meeting only cost attendees \$5, and
- meeting during the lunch hour at a centralized location.

In addition to an excellent program about Boone County's new stormwater ordinance, MSPE President Ben Ross, P.E. spoke about the new two-tier membership option and current issues confronted at the state level. The point was made that MSPE works hard to protect and promote the engineering profession, benefiting all engineers, both members and non-members. Finally,

guests were invited to pick up MSPE literature and a membership application on their way out.

It is too soon to tell whether our membership numbers will increase as a result of our efforts, but I am confident that they will bear fruit. We do know we were successful in getting the word out to the local engineering community about the new two-tier membership option and the benefits of MSPE membership.

I want to thank the members of the Central Chapter, and my officers Jamie Klein, P.E. and Ross Kasman, E.I., for their help in making this meeting such a success!



Central Chapter's September 15, 2009 meeting was the largest event in several years with 48 people attending.

Past President Moulder Honored

MSPE Past President James E. "Bud" Moulder, P.E., received the Alumni Legacy Award for a lifetime of exemplary service to the alumni association of the University of Missouri at the group's 2009 Leaders Weekend in September. He was recommended for the award by the MU Engineering Alumni Organization.



Moulder

Moulder's contributions included leadership in the MU Engineering Alumni Organization, College of Engineering Advisory Council, the Deans Engineering Advisory Council, the Academy of

Distinguished Civil Engineers, Jefferson Club, Mizzou Legislative Network, founding member of the Public Policy Committee, and representing Mizzou on University of Missouri system's Alumni Alliance.

Moulder is also credited with leading MSPE's successful effort to gain legislative passage to fund new laboratory equipment for schools of engineering in the University of Missouri system. The special matching grants program between industry and state funding generated in excess of \$10 million in new appropriations from 1987 through 2005.



MSPE President Ben Ross, P.E. addresses attendees at the Leaders Workshop.

2009 Leaders Workshop



Dale Siebeneck, CPA talks about changes the IRS has made.

MSPE President Ben Ross, P.E., assisted by Executive Committee members Kurt Higgins, P.E., Neil Brady, P.E., Britt Smith, P.E. and Gary Strack, P.E. presided over the MSPE Leaders Workshop held on Friday, August 28 at the MSPE office where Action Plans for chapters, practice divisions and state committees were unveiled. The plans' components were reviewed and adjusted by the turnout of 30 chapter and state leaders. This year's workshop focused on developing Shared Leadership - a concept where MSPE's Chapters, Practice Divisions and State Committees develop methods of sharing responsibilities so more members can have an active role. The goal of the concept is to help insure MSPE has good leadership transition and create continual communication between all levels of leadership - including chapters, practice divisions, state officers and the society's staff. Changes in tax reporting at the chapter level were discussed by Dale Siebeneck, CPA. MSPE staff members, Bruce Wylie and Marla Day, presented details on the roll-out of two-tier membership and how chapters can help "press the UP button on the membership elevator".



Part of Western Chapter's contingent (from left to right) Gary Strack, P.E., Joe Marsh, P.E., Bill Anthony, P.E. and Jim Guthrie, P.E.



MSPE Director of Membership Marla Day names an attendance prize winner.

NSPE 2009 Annual Meeting



Ben Ross, P.E., (third in line) participates in the March of the Delegates at NSPE's Annual Meeting.



Kurt Higgins, P.E. (right) participates in the PBS Reality Show *Design Squad* to introduce teens and pre-teens to engineering by working with a Girl Scout on a zip line.



Missourians attending the 2009 NSPE Annual Meeting in St. Louis included: Bob Becnel, P.E., Bill Clarke, P.E., Kurt Higgins, P.E., Vernon Lawson, P.E., Mike Meyers, P.E. and Linda Meyers, Bob Nichols, P.E., Fred Palmerton, P.E. and Rae Jean Palmerton, Charlie Powell, P.E. and Connie Powell, Ben Ross, P.E., Amy Ruggeri, P.E., Kevin Skibiski, P.E., and others not pictured in the photos above.

MSPE Members Win NSPE Awards



**Kevin Skibiski, P.E. (left)
PEPP Outstanding Service**



**Amy Ruggeri, P.E. (right)
PEG PEGASUS**



**Vernon Lawson, P.E. (left)
PEPP Merit Award**



**Fred Palmerton, P.E.
PEPP Award**

Are You Eligible? Life, Retired Member Criteria

Members desiring Life or Retired membership should review the criteria printed below and respond accordingly by Thursday, December 31, 2009 for consideration at the Winter Meeting on January 23, 2010.

LIFE MEMBERSHIP

Criteria for Life Membership (waiver of dues with the an option of paying voluntary dues) are:

a) Has held a valid license or certificate of registration as a professional engineer.

b) Is age 65 or older and retired from full-time employment and/or the active practice of engineering.

c) Has been a member of MSPE for at least 30 years and paid dues continuously.

d) Application for life membership may only be made by personal application to the Board of Directors through the state office.

RETIRED STATUS

Retired membership (half-dues) criteria

are:

a) Has held a valid license or certificate of registration.

b) Is age 65 or older and retired from full-time employment and/or the active practice of engineering.

c) Has paid dues to MSPE continuously for at least five years.

d) Application for retired status must be a personal written request to the Board of Directors in care of the state office.

Sustaining Organizations

ABNA Engineering, Inc.
St. Louis, MO
Allgeier, Martin & Associates
Joplin, MO
Ameren Services
St. Louis, MO
American Concrete Paving Assoc.
Overland Park, KS
Anderson Engineering, Inc.
Springfield, MO
Anderson Survey Company
Lee's Summit, MO
Barton Engineering Co., Inc.
Lebanon, MO
Black & Veatch
St. Louis and Kansas City, MO
Burns & McDonnell, Inc.
St. Louis and Kansas City, MO
Central Missouri
Professional Services
Jefferson City, MO
CEPCO, LLC
Ozark, MO
Cook, Flatt & Strobel Engineers
Topeka, KS
Fred Weber, Inc.
Maryland Heights, MO
George Butler Associates, Inc.
Lenexa, KS
Gibbens Drake Scott, Inc.
Raytown, MO
M.J. Harden Associates, Inc.
Kansas City, MO
Harrington & Cortelyou, Inc.
Kansas City, MO
HNTB Corporation
Kansas City, MO
Holmes Murphy
Overland Park, KS
Lockton Companies
Kansas City, MO
Palmerton & Parrish, Inc.
Springfield, MO
Payne & Brockway, P.A.
Olathe, KS
Scurlock Industries
Springfield, MO
Shafer, Kline & Warren
Overland Park, KS
TranSystems Corporation
Kansas City, MO
University of Missouri-Rolla
Rolla, MO
Walter P. Moore and Associates
Kansas City, MO

6th Annual

Fall PDH Days



Tuesday and Wednesday, December 8 and 9, 2009

Capitol Plaza Hotel, 415 West McCarty St., Jefferson City, Missouri



- 15 PDH Credits in 2 days
- Less than \$35 per PDH unit for members
- Lunch and breaks included in registration fee
- Lodging available at \$79 plus tax until November 23, 2009
- For room reservations call 573-635-1234 or 1-800-338-8088

PDH Topics

Tuesday, December 8, 2009 + Morals, Ethics and Justice as applied to the engineering profession by Vaughn Prost, P.E., + Immediate Personal Supervision by Kevin C. Skibiski, P.E. + Leadership Development by Dr. Dianne Slattery, P.E. + New Tools In Project Delivery by Chris Cobb and Bob Gilbert, P.E.
Wednesday December 9, 2009 + Innovative Engineering Solutions from MoDOT's Safe and Sound Program + Smart Traffic Signals by Matt Myers, P.E. + Taum Sauk Reservoir Rebuild by Warren Witt + Plus, additional topics and speakers including Understanding the Economy by William Emmons.

Missouri Society of Professional Engineers

FALL PDH DAYS REGISTRATION FORM

To register complete this form and mail to:

MSPE, 200 E. McCarty Street, Suite 200, Jefferson City, MO 65101 FAX: 573-636-5475

Name: _____ Nickname: _____

Employer: _____

Preferred Mailing Address: _____

City: _____ State: _____ Zip: _____

Daytime Phone: _____ Email address: _____

Check Enclosed (Make checks payable to MSPE)

Bill My Credit Card: Visa Mastercard Discover Credit Card # _____

Expiration Date: Month _____ Year _____

Cardholders Name: _____

Signature: _____

Please check session attendance below:

MSPE Member Single-Day: \$225.00

Circle PDH Session: Tuesday or Wednesday

MSPE Member Both Days: \$400.00

Non-Member Single-Day: \$450.00

Circle PDH Session: Tuesday or Wednesday

Non-Member Both Days: \$800.00

Non-members, reduce your cost to attend, Call MSPE at 573-636-4861 for our "Attend and Join" specials!

**Deadline: 5 p.m.,
Wednesday, December 2, 2009**



Confidence matters.

As the Kansas City area's only independent photogrammetric mapping firm, you can count on MJ Harden to deliver outstanding service to meet your geospatial information needs.

Since 1956, MJ Harden has been providing geospatial services to engineering firms, government agencies, pipeline companies and utilities. With over 20,000 projects completed, we are known in the industry for quality, performance and reliability.



MJ Harden has added a second DMC imaging system, to be deployed in this high-performance Cessna Conquest aircraft.

MJ Harden offers a full range of advanced mapping and data management options to support your geospatial applications. We use the best available technologies for geospatial data collection and processing, including:

- ▶ High-Resolution, Multispectral Digital Aerial Imaging using Zeiss/Intergraph DMC[™] technology
- ▶ LIDAR services using the Optech ALTM Gemini sensor and the latest data processing capabilities
- ▶ Photogrammetric Mapping (Planimetric, Topographic, Orthophoto)
- ▶ GIS Consulting, Development, Implementation and Support

Look to MJ Harden as your trusted resource for a full range of professional geospatial services.



5700 Broadmoor Street, Suite 800
Mission, Kansas 66202
913.981.9800 phone 913.981.9802 fax

PHOTOGRAMMETRY SERVICES

Randy Mayden 913.981.9515

Mike Kalles 913.981.9525

Classifieds

ELECTRICAL ENGINEER

Registered Professional Engineer with minimum of 10 years' experience including building power distribution and lighting design. Further inquires:

Vicki Parker
EDM Incorporated
220 Mansion House Center
St. Louis, MO 63102
email: vicki.parker@edm-inc.com.

MSU SEEKING APPLICANTS FOR POSITIONS IN COOPERATIVE CIVIL ENGINEERING PROGRAM

The College of Natural and Applied Sciences at Missouri State University (MSU) seeks applicants for two positions. The first is a tenure-eligible faculty position in civil engineering at the Assistant, Associate or Full Professor rank to teach civil engineering courses, develop a research program and mentor students in the Cooperative Civil Engineering Program with Missouri University of Science and Technology (formerly University of Missouri-Rolla). Candidates must have a Bachelor of Science in civil engineering from an ABET-accredited program and a PhD in civil engineering or a closely related field. A commitment to teaching, research, and service, and excellent oral and written communication skills are also required. Candidates are expected to have a record of peer-reviewed publications appropriate to rank. Leadership and curriculum development experience are desired. The successful candidate will be expected to teach in at least two areas of civil engineering. All specialties within civil engineering will be considered, but preference will be given to those candidates whose areas of expertise include structures, materials, and/or geotechnical engineering. The hired candidate will be expected to obtain PE license within five years from the date of hire. The second is an instructor position for which a master's degree in civil engineering is required. The hired instructor will be expected to each 12 credit hours each semester and participate in appropriate university and professional service activities. Both positions will begin fall 2010 pending budgetary approval. See www.missouristate.edu/academicopenings for full description of position. Send letter of application, curriculum vitae, teaching/research interests, and names and addresses of 3-5 references to: Civil Engineering Search Chair, College of Natural and Applied Sciences, 901 S. National Ave., Springfield, MO 65897. Employment will require criminal background check at University expense. EO/AA.

AD PLACEMENT

To place your classified advertisement in the Missouri Society of Professional Engineers' official publication, The Missouri Engineer, please email your ad copy, any special instructions and billing information to Cherie L. Bishop, Editor of The Missouri Enigneer at cheriebishop@mspe.org or call 573-636-6949.

The rate for classified advertising is charged by the word. Up to 40 words is \$25.00. Each additional 20 words or less is \$15.00. Visit our web site at www.mpse.org for more information about advertising in The Missouri Engineer.

Important Dates

- January 2010**
- 22 Executive Committee Meeting, MSPE Office, Jefferson City, MO
- 23 Board of Directors Meeting, MSPE Office, Jefferson City, MO
- February 2010**
- 15-19 Engineers Week
- March 2010**
- 20 Missouri MATHCOUNTS State Competition, Rolla, MO

United States Postal Service

Statement of Ownership, Management, and Circulation

1. Publication Title The Missouri Engineer	2. Publication Number 0 9 5 5 - 1 0 0	3. Filing Date September 30, 2009
4. Issue Frequency Semi-monthly plus an annual Directory	6. Number of Issues Published Annually 7	8. Annual Subscription Price \$1.00 members \$12.00 non-members
7. Complete Mailing Address of Known Office of Publication (Not printer) (Street, city, county, state, and ZIP+4) 200 E. McCarty St., Suite 200, Jefferson City, Cole County, MO, 65101-3113		Contact Person Cherie L. Bishop Telephone 573-636-6949

5. Complete Mailing Address of Headquarters or General Business Office of Publisher (Not printer)
Missouri Society of Professional Engineers
200 E. McCarty St., Suite 200, Jefferson City, MO 65101-3113

9. Full Name and Complete Mailing Address of Publisher, Editor, and Managing Editor (Do not leave blank)
 Publisher (Name and complete mailing address)
Bruce A. Wylie, Executive Director
Missouri Society of Professional Engineers, 200 E. McCarty St., Suite 200, Jefferson City, MO 65101
 Editor (Name and complete mailing address)
Cherie L. Bishop
Missouri Society of Professional Engineers, 200 E. McCarty St., Suite 200, Jefferson City, MO 65101
 Managing Editor (Name and complete mailing address)

10. Owner (Do not leave blank. If the publication is owned by a corporation, give the name and address of the corporation immediately followed by the names and addresses of all stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, give the names and addresses of the individual owners. If owned by a partnership or other unincorporated firm, give its name and address as well as those of each individual owner. If the publication is published by a nonprofit organization, give its name and address.)

Full Name	Complete Mailing Address
Missouri Society of Professional Engineers	200 E. McCarty St., Suite 200, Jefferson City, MO

11. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities. If none, check box None

Full Name	Complete Mailing Address

12. Tax Status (For completion by nonprofit organizations authorized to mail at nonprofit rates) (Check one)
 Has Not Changed During Preceding 12 Months
 Has Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)

PS Form 3526, October 1999 (See Instructions on Reverse)

13. Publication Title The Missouri Engineer	14. Issue Date for Circulation Data Below June/July 2009	
15. Extent and Nature of Circulation	Average No. Copies Each Issue During Preceding 12 Months	No. Copies of Single Issue Published Nearest to Filing Date
a. Total Number of Copies (Net press run)	1800	1600
(1) Paid/Requested Outside-County Mail Subscriptions Stated on Form 3541. (Include advertiser's proof and exchange copies)	1382	1434
b. Paid and/or Requested Circulation	0	0
(2) Paid In-County Subscriptions Stated on Form 3541 (Include advertiser's proof and exchange copies)	0	0
(3) Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Non-USPS Paid Distribution	0	0
(4) Other Classes Mailed Through the USPS	0	0
c. Total Paid and/or Requested Circulation (Sum of 15b. (1), (2), (3), and (4))	1382	1434
d. Free Distribution by Mail (Samples, complimentary, and other free)	0	0
(1) Outside-County as Stated on Form 3541	0	0
(2) In-County as Stated on Form 3541	235	113
(3) Other Classes Mailed Through the USPS	0	0
e. Free Distribution Outside the Mail (Carriers or other means)	0	0
f. Total Free Distribution (Sum of 15d. and 15e.)	235	113
g. Total Distribution (Sum of 15c. and 15f.)	1617	1547
h. Copies not Distributed	183	53
i. Total (Sum of 15g. and h.)	1800	1600
j. Percent Paid and/or Requested Circulation (15c. divided by 15g. times 100)	86%	93%

16. Publication of Statement of Ownership
 Publication required. Will be printed in the Aug/Sept 2009 issue of this publication. Publication not required.
 17. Signature and Title of Editor, Publisher, Business Manager, or Owner
Cherie L. Bishop Date
 September 30, 2009

I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).

- #### Instructions to Publishers
- Complete and file one copy of this form with your postmaster annually on or before October 1. Keep a copy of the completed form for your records.
 - In cases where the stockholder or security holder is a trustee, include in items 10 and 11 the name of the person or corporation for whom the trustee is acting. Also include the names and addresses of individuals who are stockholders who own or hold 1 percent or more of the total amount of bonds, mortgages, or other securities of the publishing corporation. In item 11, if none, check the box. Use blank sheets if more space is required.
 - Be sure to furnish all circulation information called for in item 15. Free circulation must be shown in items 15d, e, and f.
 - Item 15h. Copies not Distributed, must include (1) newsstand copies originally stated on Form 3541, and returned to the publisher, (2) estimated returns from news agents, and (3), copies for office use, leftovers, spoiled, and all other copies not distributed.
 - If the publication had Periodicals authorization as a general or requester publication, this Statement of Ownership, Management, and Circulation must be published; it must be printed in any issue in October or, if the publication is not published during October, the first issue printed after October.
 - In item 16, indicate the date of the issue in which this Statement of Ownership will be published.
 - Item 17 must be signed.
Failure to file or publish a statement of ownership may lead to suspension of Periodicals authorization.

PS Form 3526, October 1999 (Reverse)

Professional Card Listings

 <p>ALPHA-OMEGA GEOTECH, INC.</p> <p>Geotechnical Engineering Services Construction Material Testing & Special Inspections Phase I Environmental Site Assessments</p> <p>26th Anniversary - 1982-2008</p> <p>1708 State Avenue, Kansas City, Kansas 66102 Phone: (816) 371-6008 Toll Free: (800) 545-8828 Fax: (816) 371-6790 www.alpha-omega-geotech.com / borndt@alpha-omega-geotech.com</p>	<p>ELGIN SURVEYING & ENGINEERING, INC.</p> <p>310 East 6th Street Rolla, MO 65401-3343</p> <p>www.ELGINSURVEY.COM 573.364.6362</p>	 <p>KLEINFELDER Bright People. Right Solutions.</p> <p>FORREST ERICKSON (913) 962-0909 ferickson@kleinfelder.com WWW.KLEINFELDER.COM EMPLOYEE-OWNED WITH GLOBAL CAPABILITIES © Kleinfelder 2008 All rights reserved.</p>	<p>Sega Inc. offers exciting opportunities for entry-level & experienced engineers in the following disciplines:</p> <p>Mechanical, Electrical, Civil/Structural</p> <p>Equal Opportunity Employer</p>  <p>ENGINEERING & TECHNICAL SERVICES</p> <p>Sega Inc. is an employee-owned company with over 150 employees specializing in the power industry.</p> <p>Our services include: Power Generation Power Delivery Control System Upgrades Field Control Services Plant Betterment</p> <p>Overland Park, KS 913.681.2881 www.segainc.com</p>
<p>ANDERSON ENGINEERING, INC.</p> <p>ENGINEERS-SURVEYORS-LABORATORIES-DRILLING EMPLOYEE OWNED - SERVED THE AMERICAN TRAIL - LICENSED IN 28 STATES</p> <p>2045 W Woodland Springfield, MO 65807 417-866-2741 aen@aeninc.com</p> <p>811 E Third Street Joplin, MO 64801 417-782-7389 www.aeninc.com</p>	<p>International reach. Local presence.</p> <p>GEOENGINEERS Earth Science + Technology</p> <p>From 15 offices nationwide, GeoEngineers crafts geotechnical and trenchless technology solutions for clients around the world.</p> <p>Call Jan Robinson in Springfield, 417.831.9700, or geoenr.com</p>	<p>KdG Kuhlmann design Group, Inc.</p> <p>COMPLETE PROJECT DESIGN SERVICES ENGINEERS • SURVEYORS • ARCHITECTS • INTERIORS</p> <p>www.kdginc.com 314.454.8898</p>	<p>SKW</p> <p>Forming Partnerships Delivering Results.</p> <p>SHAFFER, KLINE & WARREN, INC. www.skw-inc.com</p>
<p>BARTON ENGINEERING COMPANY, INC.</p> <p>CONSULTING ENGINEERS LAND PLANNING LAND SURVEYING</p> <p>www.bartonengineering.com</p> <p>P.O. Box 365 LEANING, MO 65556 417-588-4138 / FAX (417) 588-3563</p> <p>Michael Davis, P.E. President</p>	<p>GREDELL Engineering Resources, Inc.</p> <p>ENVIRONMENTAL ENGINEERING LAND-AR-WATER Offices in Jefferson City, Rolla and St. Louis, Missouri</p> <p>WHEN EXPERIENCE COUNTS, COUNT ON US! Engineering Design, Geologic Studies and Regulatory Compliance</p> <p>Telephone (Toll Free): (866) 892-6727 E-Mail: ContactUs@gredec.com Visit Our Website: www.gredec.biz</p>	 <p>McCann Phocas Bridge Systems Box Culverts Cor-Struct Bridge Systems Red-Steel 3-sided Bridges</p> <p>Mark Melvin Vice President 6799 State Route 159 Daney, IL 62001</p>	<p>SHANNON & WILSON, INC.</p> <p>To discover our total geotechnical and environmental capabilities call (314) 690-9560 or visit www.shannonwilson.com</p>
<p>BLACK & VEATCH Building a world of difference.</p> <p>BLACK & VEATCH CORPORATION 8400 Ward Parkway Kansas City, MO 64114 USA Tel: 913.458.2000 Fax: 913.458.2834 www.bv.com</p>	<p>Howard R. Green Company</p> <p>Planning, Technical Consulting, Engineering, Architecture Landscape Architecture, Environmental Sciences</p> <p>18020 Shingley Ridge Road, Suite 100 Chesterfield, MO 63073-2045 1-888-328-8276 www.hrgreen.com</p>	<p>PPI</p> <p>• Geotechnical Services • Environmental Services • Material Testing Services</p> <p>PALMERTON & PARRISH, INC.</p> <p>Springfield, MO 417-688-6000 Berkens, MO 417-681-8285 Joplin, MO 417-624-0308 www.ppiinc.com</p>	<p>SMITH-GOTH ENGINEERS, INC.</p> <p>David L. Smith, P.E. President Norman E. Geth, P.E. Vice President</p> <p>3155 S. Jefferson Ave. Springfield, MO 65807 Phone: 417-862-1180 Fax: 417-862-1180 www.skgib.com</p>
<p>BWR Right in the Center</p> <p>Engineering Planning Architecture</p> <p>800.748.8276 www.bwrinc.com</p>	<p>missouri licensed ENGINEERS LAND SURVEYORS</p> <p>HARMS, INC.</p> <p>p.o. box 52 elliot, mo 65028 ph: (573) 392-3312 Fax: (573) 392-6943 E-mail: harms@rocket.net</p>	<p>PB Payne & Brockway, P.A. CIVIL ENGINEERS & LAND SURVEYORS Since 1946</p> <p>426 S. KANSAS AVE. OLAHIE, KS 66061 TEL: 913.782.4800 FAX: 913.782.0907 www.PAYNE-BROCKWAY.COM</p> <p>-- SERVICES IN BOTH KANSAS & MISSOURI --</p>	<p>Innovative. Reliable. Responsive. Connected.</p> <p>7 Offices Serving Missouri tetracore.com</p> 
<p>Burns & McDonnell SINCE 1898</p> <p>Kansas City, Missouri St. Louis, Missouri</p> <p>Offices Worldwide www.burnsmcd.com</p>	<p>HXR Since 1978 Office in:</p> <ul style="list-style-type: none"> - Kansas City - St. Louis - Lee's Summit - St. Charles - Springfield - O'Fallon - Perryville <p>For representation Webinars Design-Build Environmental Resource Management www.hxr.com</p>	<p>David L. Howard Attorney at Law</p> <p>Polster, Lieder, Woodruff & Lucchesi, L.C. Patent & Trademark & Copyright & Trade Secret & Unfair Competition</p> <p>12112 Pomeroy Drive, Suite 200 St. Louis, Missouri 63121-9639 www.polster.com</p> <p>www.dlhoward@polster.com Telephone: 314.283.4000 Ext. 400 Mobile: 314.864.6282 Facsimile: 314.292.0881</p>	<p>Tran Systems</p> <p>EXPERIENCE Transportation</p> <p>Architecture, Engineering, & Planning Management & Supply Chain Consulting Real Estate Consulting Transportation Security Consulting</p> <p>Kansas City 816-325-9600 St. Louis 314-997-2459 www.transystems.com</p>
<p>GBA Kansas City + St. Louis + O'Fallon</p> <p>Complete Engineering + Architectural Services</p> <p>Providing remarkable solutions for a higher quality of life.</p>	<p>HEMCO Laboratory Planning Solutions</p> <p>Ronald E. Hill, P.E. President</p> <p>HEMCO Corporation Phone (816) 798-2900 111 Powell Road Fax (816) 798-3333 Independence, MO 64056 Email info@HEMCOcorp.com Visit www.HEMCOcorp.com</p>	<p>PREMIERE TECHNICAL SOLUTIONS, LLC</p> <p>Contract Engineers For Profit In Your Business.</p> <p>104 HEATHER RD 2ND FL. CHRYSTERSFIELD, MO 63007 WWW.PREMIERE-TECH-LLC.COM</p> <p>PH: 314-562-9528 CELL: 364-487-8542 ED-HANSTEN@PREMIERE-TECH-LLC.COM</p> <p>ED HANSTEN PRESIDENT</p>	<p>WALTER P MOORE</p> <p>CIVIL ENGINEERING STRUCTURAL ENGINEERING STRUCTURAL INSULATION</p> <p>WWW.WALTERPMOORE.COM</p> <p>2022 BARNETT STREET, 14th FLOOR, KANSAS CITY, MISSOURI 64108-2206 PHONE 913-721-6138 FAX 913-791-3289</p>
<p>PROVIDING COMPLETE ENGINEERING SERVICES FOR OVER 40 YEARS</p> <p>CFS Cook, Flatt & Strobel ENGINEERS, P.A.</p> <p>PROFESSIONAL SERVICES:</p> <ul style="list-style-type: none"> - HIGH-RISE ENGINEERING - BRIDGE DESIGN - FOUNDATION DESIGN - DEVELOPMENT SERVICES - TRAFFIC ENGINEERING - CONSTRUCTION ENGINEERING - WATER MANAGEMENT - SERVICES <p>6028 Ward Parkway, Suite 110 Kansas City, MO 64114 816-353-4477</p> <p>Other Offices: Tappan, KS • Wichita, KS www.cfs.com</p>	<p>HORNER & SHIFRIN, INC. ENGINEERS</p> <p>www.HornerShifrin.com</p> <p>Our roots run 75 years deep!</p>	<p>SSE Schultz & Summers Engineering, Inc.</p> <p>STANLEY J. SCHULTZ, P.E., P.L.S. Principal</p> <p>Office (573) 686-0866 Fax (573) 686-0950 Mobile (573) 776-8736 4800 West Blvd. Poplar Bluff, MO 63901 SJSchultz@schultzengineering.com</p> <p>Orange Beach (573) 308-4606 Fax (573) 300-0600</p>	<p>WALTER P MOORE</p> <p>CIVIL ENGINEERING STRUCTURAL ENGINEERING STRUCTURAL INSULATION</p> <p>WWW.WALTERPMOORE.COM</p> <p>2022 BARNETT STREET, 14th FLOOR, KANSAS CITY, MISSOURI 64108-2206 PHONE 913-721-6138 FAX 913-791-3289</p>

New Members

CENTRAL CHAPTER

Jason Haynam, P.E.
Ameren UE
1300 W. Liberty
Mexico, MO 65265
Joshua Lehmen, E.I.T.
Engineering Surveys & Services
1113 Fay Street
Columbia, MO 65203
Timothy O'Connor, P.E.
Engineering Surveys & Services
1113 Fay Street
Columbia, MO 65201
Glen Walker, P.E.
Ameren UE
PO Box 38
Mexico, MO 65265
Steven G. Whipple, P.E.
4706 Shale Oaks Avenue
Columbia, MO 65203

JEFFERSON CITY CHAPTER

Travis Bruemmer, E.I.T.
Bartlett & West
1719 Southridge Dr.
Jefferson City, MO 65109
Jonathan Nelson, P.E.
MoDOT
2211 St. Mary's Blvd.
Jefferson City, MO 65109
Kenneth Stumpf, P.E.
Bartlett & West, Inc.
1719 Southridge Rd.
Jefferson City, MO 65109

NORTHEAST CHAPTER

Amy Crawford, P.E.
MoDOT
PO Box 8
Macon, MO 63552

OZARK CHAPTER

William Alkier, P.E.
Paul Mueller Company
1600 W. Phelps
Springfield, MO 65801
Robert Hotz II, E.I.T.
GeoEngineers, Inc.
3050 South Delaware Ave.
Springfield, MO 65804
Christopher S. Houge, E.I.T.
Security Design Group
Box 3992
Springfield, MO 65808

Students

Wade Drossel
Howard McSwain

ROLLA CHAPTER

John Bradshaw, E.I.T.
1106 Highland Drive
Rolla, MO 65401

ST. LOUIS CHAPTER

Dave Dietzel, P.E.
SCI Engineering
650 Pierce Blvd.
O'Fallon, IL 62269
Jacob Hemke, P.E.
Code Consultants Inc.
1804 Borman Circle Dr.
St. Louis, MO 63146

Michael D. Kirn, P.E.
Code Consultants Inc.
1804 Borman Circle Dr.
St. Louis, MO 63146
William Langenbacher, P.C.
HNTB
10 S. Broadway, Suite 400
St. Louis, MO 63102
Kevin Lawson
Horizon Engineering
11800 Borman
St. Louis, MO 63114
Bryan Ziegler, E.I.T.
The Boeing Company
PO Box 516
St. Louis, MO 63021

SOUTHWEST CHAPTER

Paul Beaulieu, P.E.
Finley Engineering
104 E. 11th
Lamar, MO 64759
Jonathan Shull, P.E.
1805 Meadow Moor Dr.
Webb City, MO 64780

WESTERN

Robert L. Goodwillie, P.E.
AECOM
2405 Grand Blvd.
Kansas City, MO 64108
Michael Lombardo, P.E.
Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114
David Renfert, P.E.
6214 Oak Street
Kansas City, MO 64113
Kyle Roberts, P.E.
Burns & McDonnell Engineering
9400 Ward Parkway
Kansas City, MO 64114
William Yord, P.E.
Wilson & Company
903 East 104th Street, Suite 210
Kansas City, MO 64131

Students

Brian Huff
Nicholas York

Voluntary Dues

Voluntary dues contributions from MSPE life members, received through October 31, 2009, are listed below. On behalf of a grateful society, we thank:
William H. Reinhardt, Jr., P.E.
Oakdale, MN

In Memoriam

Word was received in the MSPE office on the death of James R. Knox, P.E. of Fort Morgan, Colorado who joined MSPE in its founding year of 1937. He was associated with the Jefferson City Chapter before becoming an at-large member.

The Missouri Engineer

200 E. McCarty Street, Suite 200
Jefferson City, Missouri 65101

NSPE President Conducts 46th Consecutive Visit to Western Chapter

On September 17, Sam Grossman, P.E., conducted the 46th consecutive annual visit by the NSPE President to MSPE's Western Chapter. The annual visit began with breakfast for past chapter and state officers of MSPE's Western Chapter and the Kansas Society's Eastern Chapter at Jardine's, which is only open for breakfast once a year just to serve this event! Special breakfast guests were UMKC Chancellor Leo Morton and UMKC School of Computing and Engineering (SCE) Dean Kevin Truman, hosts of the 7th consecutive UMKC-SCE NSPE President campus visit. On campus, Grossman met with Provost Dr. Gail Hackett, Chancellor Morton and Dean Truman, followed by a session with 31 UMKC SCE faculty to discuss licensure and the need for faculty to mentor future PEs. Pizza with the President was a

chance for Grossman to talk to students and see the active Western-UMKC student chapter. At the student meeting, MSPE President Ben Ross, P.E. presented the MSPE Educational Foundation's Cohen Scholarship to Katie Horner. (See photo on Page 1). Afterwards, UMKC SCE faculty gave presentations on cutting-edge research projects and discussed the need for continued funding from industry, state and federal government grants. Accompanying President Grossman were MSPE Vice President Britt Smith, P.E., NSPE North Central Region Board Member Mike Meyers, P.E., and MSPE Executive Director Bruce Wylie. The full day of organized activities for President Grossman closed that evening with a joint MSPE & KSPE chapter meeting at The Hereford House, famed Kansas City steakhouse.



Sam Grossman, P.E. was the 46th NSPE President making a September visit to MSPE's Western Chapter. At left, Grossman starts his visit talking about NSPE's activities with past state and chapter officers over breakfast at Jardine's. Above, Grossman meets with students enrolled in UMKC's School of Computing and Engineering about their engineering careers.

