

ST. LOUIS ENGINEER

St. Louis Chapter Missouri Society of Professional Engineers

SEPTEMBER PROGRAM

“The Iraq Mass Graves Team: Documenting Genocide, Assisting Iraq”

Guest Speaker: Michael “Sonny” K. Trimble

Date: Tuesday, September 22, 2009
Location: Engineers’ Club of St. Louis
 4359 Lindell Blvd.
 St. Louis, MO 63108
Time: Registration at 11:30 am/Lunch at Noon
 Program to follow
Cost: \$15.00; Please RSVP by Friday, September 18, 2009 to Kurt Krispin at the Engineers’ Club. Phone: (314)533-9333 or
 Email: kurt.krispin@engineersclub.net

Dr. Trimble received his Ph.D. in anthropology from the University of Missouri, Columbia, in 1985. After completing a Rockefeller Foundation Fellowship at the Newberry Library in Chicago, Dr. Trimble began working with the St. Louis District in 1987.

Dr. Trimble is the Chief of the Curation and Archives Analysis Branch within the Engineering and Construction Division of the U.S. Army Engineer District, St. Louis, and Director of the Corps of Engineers’ Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX-CMAC). Dr. Trimble supervises 20 employees drawn from diverse professional backgrounds including archaeology, physical anthropology, museum studies, and biology. The MCX-CMAC provides technical assistance to both military and civilian federal agencies for the management and care of archaeological collections. The MCX-CMAC is the only organization within the Department of Defense with the full-time staff, expertise, experience, and program that provide others with technical assistance for collections management. The MCX-CMAC is engaged in a national curation program for the U. S. Army Corps of Engineers. Its mission also includes implementing the curation requirements mandated by Public Law 101-601, the Native American Graves Protection and Repatriation Act (NAGPRA). In addition, the MCX-CMAC conducts curation work for all branches of the Department of Defense, the Bureau of Indian Affairs, the Bureau of Land Management, and the U.S. Fish and Wildlife Service.

Under the direction of Dr. Trimble, the MCX-CMAC has assisted the Central Identification Laboratory, Hawaii (CILHI) in recovery of MIA servicemen from Southeast Asia. The MCX-CMAC also assisted the Department of Justice for 2.5 years on a Presidential mission to gather and analyze forensic data documenting murder and genocide carried out by Iraq’s former regime. Dr. Trimble served as the Program Director of the Mass Graves Investigation Team, Iraq, and was responsible for planning, preparing, and leading a 22 person international team that performed archaeological and forensic exhumations and analysis. The results of these scientific investigations and reports provided the Iraqi legal system with forensic evidence for the prosecution by the Iraqi High Tribunal of members of the former regime. Dr. Trimble served eight years as a technical project manager for the African Burial Ground Project in New York City, one of the oldest uncovered in the United States. His work involved inventory of remains prior to reburial, assisting in the planning for reburial ceremonies, processing of archives and artifacts, and general project oversight. Dr. Trimble is currently conducting 3 nationwide Corps projects from the ARRA, a NAGPRA project, a curation project, a national pilot program for Veteran vocational rehabilitation, and an NHQA Section 110 project.

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“Getting Involved”



Way back in May, I was installed as President of the St. Louis Chapter of MSPE. We all gathered at the roof top at Vin de Set and had an informal installation ceremony. It was a great time and special thanks go out to all who attended and helped plan the event. Also in attendance was our esteemed colleague Bill Clarke, who at this summer's MSPE Annual Convention, was honored as MSPE's 13th inductee to the Hall of Fame. The Hall of Fame was established in 2000 to honor members who have had significant impact on the field of engineering and the Society's legacy. Congratulations go out to Bill for this well-deserved honor – he has been a very special friend to the St. Louis Chapter. As I mentioned, May seems like so long ago, and now here I am in September writing a President's Report.

I am very excited about my Presidency and I look at this as a true honor to serve the profession that gives me my livelihood. Some members may be scared that you handed over the keys to me, but the good news for you is that I won't be doing it alone. We have a very dedicated and balanced group of men and women on the Board and they are enthusiastic about carrying out the goals of the Society to promote the ethical and competent practice of engineering. Our profession may still have some tough times ahead with the ever-changing economic forecasts, and the society is struggling with a trend of declining membership and decreased involvement in our activities. However, the State's Two-Tier membership (aimed at strengthening State membership and attracting new members) was approved this summer and could provide help on the numbers side. In addition, we have an exciting Program schedule aimed at providing not only PDH's on interesting topics, but also the social avenue of professional networking. And finally, we are committed to being active and productive members in the community, and we will have a community service project this year.

To reiterate, the Board members surrounding me are a great group of individuals, keen on the collective goals of the society. But we cannot do it alone. I urge you to "Get Involved". Once you do so, I promise you will see the fruits of your labor, and want to remain active. Once you are active, get just one co-worker or friend, and get them involved. Soon, our intimate gathering becomes an army. In his autobiography, Mahatma Gandhi said "Strength of numbers is the delight of the timid. The valiant in spirit glory in fighting alone." This may have worked for Ghandi, but I have no desire to grow MSPE alone. Call me timid, but we need you! I welcome each and every one of you to get involved, and if you don't know how, give me a call or send me an email. I will make sure we match your wants and desires with our needs.

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

PRESIDENT'S MESSAGE

St. Louis Engineer

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John F. Gagliardo, E.I.T., (314)534-1030
jgagliardo@davidmason.com
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MISSOURI MATHCOUNTS, MISSOURI MATHKIND

By Stella Schindler



In the middle of July, the 2009 Missouri MathCounts team took a trip to Washington D.C. to meet President Obama in the Oval Office. The students placed second in the national mathematics competition, MathCounts. The Missouri team was made up of the top four math students in the state, all of whom were from Ladue Middle School.

The team members have known each other for a long time before the competition. One year, they had all been in the same orchestra class at school. The students took the same bus over to Ladue High School to attend advanced math classes. They all sat at the same lunch table. In fact, two of the students eat at the same breakfast and dinner table!

When preparing for the math competition, the team talked about math every day at lunch and went to the school's math club to train with their coach, Paul Turney, the assistant coach, Joe Kleine, and other students from the school. The students also met twice over spring break to do team rounds, play Wii, and eat brownies.

At the national competition in Orlando, the team also succeeded individually. Two of the team members placed in the top 12 individually, qualifying them for the countdown round, a round in which competitors go head to head racing to answer a problem first, in which they also did well. Maximilian Schindler placed 2nd in the written round, and placed 3rd in the countdown round. Victor Wang placed 7th in the written round, and 10th in the countdown round. Maximilian also won the Masters Round, a round in which the top 4 individuals after the written and countdown rounds present and explain solutions to problems to a crowd, and answer questions given to them by a panel of judges.

The team had such success individually from the vast amounts of time they dedicated throughout the year to math. One example of this is that in the weeks prior to the competition, some of the students spent at least 8 hours a day each weekend doing old MathCounts tests and studying math together. Also, one could attribute Maximilian's success in the Master's Round to his little sister, Stella, who helped him learn the art of teaching an audience math without boring them to death. Either way, without the hard work and help from each and every member of all of their families, none would have gotten this far.

On the Wednesday before they left for the competition, the whole team played in their school orchestra concert. Then, on Thursday, the team arrived in Disney World. There were many fun activities...

souvenir pin trading, chatting with people from all over the country, and best of all - ROLLER COASTERS! On Friday afternoon and all of Saturday after the Masters Round, the Missouri students joined up with the Ohio team and went to the Magic Kingdom and Epcot. On Saturday night, Missouri attended the MathCounts banquet at Epcot, ate a wonderful dinner, and had a cool, yet math-ish dessert of various chocolate items such as calculators, pencils, and rulers. To end both awesome days spent there, the team watched the Disney fireworks shows at night, and returned to St. Louis on Sunday morning.

Everyone except Stella, who still has another year of participating in MathCounts thought it was all over, that is, until the e-mail came in the middle of the summer, informing them that they would get to go to Washington D.C. to meet the president! Though one of the team members' opinion was that the only thing that could have possibly been cooler was if they had met him at the All-Star game in St. Louis a few days earlier than the scheduled appointment.

Just weeks after receiving the invitation, the teammates, their coach, and one of the parents were touring all over Washington D.C. They toured throughout the National Mall, which to Stella's chagrin was not a large shopping center. At one point they stopped in the National Air and Space Museum, and they saw some astronauts at a table signing books, but the lines to get books and to actually meet the astronauts were each about 3 hours long, so to everyone's disappointment (at the time) they left. That night, the first place team, Texas, and Missouri met up at the hotel and ate dinner together, and then the kids played a large game of poker with the chips and cards some of them had brought. Then they went to bed, extremely excited about the next day.

The following morning, the Missouri team got a tour of Congress led by an intern of Senator Kit Bond. Everyone thought it was so cool! Like the rest of D.C., the architecture and art was absolutely stunning! After seeing Congress, the team walked through an underground passageway to quickly glimpse the Library of Congress, and then went to lunch with the MathCounts national staff at Joe Theismann's restaurant where they had great burgers. From there the team went to the White House. After passing through seemingly endless security, the team got to go in. As they entered the West Wing Lobby, they got a huge shock. Standing there, with a bunch of people from NASA, were the Apollo 11 astronauts! It was the 40th anniversary of the moon landing! The team got to meet all three of them, Neil Armstrong, Buzz Aldrin, and Michael Collins, before going into the Oval Office. The ecstatic students each got to shake President Obama's hand before he gave a speech about their accomplishments. As the students were leaving, the President gave them each a box of complimentary chocolates. It was a huge honor for these students to be invited to the Oval Office.

Disney World, the White House - the team hopes that the high school field trips will be just as good as the middle school ones!

Stella Schindler, is a 13-year old student at Ladue Middle School in St. Louis. Her brother, Max, and teammates Victor Wang and Rungpeng Liu represented Missouri in the National MathCounts competition in May 2009.

The 2nd Place National MATHCOUNTS Team from Ladue Middle School, St. Louis, MO is pictured above in the Oval Office with President Barack Obama.

CALL FOR NOMINATIONS SOUGHT FOR AWARDS

Please consider nominating a member or company for one or more of the St. Louis Chapter's Awards for the 2009-2010 year. Awarding includes Outstanding Engineer in a Practice Division, Private Practice Professional Development, Quality Based Selection (QBS), Engineer of the Year and the Young Engineer of the Year. The awards will be given at the annual Engineers Week Awards Banquet (in February). Deadline for submitting nominees and applications is **Friday, November 27, 2009**. Nomination may include resume, biographical data or formal application at the MSPE website. Direct questions to the specific Committee Chair listed below, or general questions to Engineering Practices Department Chair, Bob Becnel, at bob@becnel.com or 314-232-1914.

List of Awards

Engineer of the Year & Outstanding Engineer in PEI, PEPP, PEG, PEE, PEC

- PE in Missouri
- Membership in MSPE/NSPE *is not* required

Young Engineer of the Year

- Age 34 or younger as of January 1, 2010
- Membership in MSPE/NSPE *is* required

Qualifications-Based Selection (QBS)

Private Practice Professional Development (PPPD)

Award descriptions

A full list of past award winners, award descriptions and specific qualifications is available at the MSPE website in an MS Word file downloadable from http://www.mspe.org/chapters/Chapter9/09_Awards_guide_2009.doc.

Contacts

AWARD	COMMITTEE CHAIR	PHONE	E-MAIL
Engineer of the Year, QBS, PPPD	John Gray, P.E., RCDD	636-787-0032, ext 11	john.gray@ldpgroup.com
Outstanding Engineer in Construction (PEC)	James Swingle, E.I.	314-280-2624	jswingle@sachsco.com
Outstanding Engineer in Education (PEE)	Earl W. (Will) Hodgen, P.E.	314-569-3600	whodgen@motech.edu
Outstanding Engineer in Government (PEG)	John C McDonald, P.E.	314-589-6066	McDonaldJ@stlouiscity.com
Outstanding Engineer in Industry (PEI)	William J. (Bill) Bezdek P.E.	314-233-6824	william.j.bezdek@boeing.com
Outstanding Engineer in Private Practice (PEPP)	John Hock, P.E., PTOE	636-537-5585, ext 52	JH@engdesignsource.com
Young Engineer of the Year	Matthew Tinker E.I.	314-682-1598	mtinker@burnsmcd.com

JAPAN ROBOT NIGHT

JAPAN AMERICA SOCIETY OF ST. LOUIS IN COOPERATION WITH CENTER FOR INTERNATIONAL STUDIES

University of Missouri-St. Louis and JETRO, Chicago presents:

October 15, 2009

5:30 p.m. Registration and Reception; 6:30 – 8:00 p.m. Program

University of Missouri-St. Louis - Millennium Student Center (MSC), Century Room C

Japan has developed service robots that can play significant roles in helping its aging population. PARO (baby seal robot) interacts with people and makes them feel emotionally attached. It has an impact in three areas: psychological (such as relaxation and motivation), physiological (such as improvement in vital signs) and social effects (such as facilitating communication among patients and caregivers).

The Japan Robot Night will feature Dr. Takanori Shibata, the inventor of PARO and Senior Research Scientist at the National Institute of Advanced Industrial Science & Technology. The program includes the demonstration of PARO and a presentation by JETRO Chicago on service robots trends in Japan. The event is open to the public and is free. However, a PARKING PERMIT is required for ALL visitors to UMSL. To request your FREE permit, a campus map and make a reservation for this program, call Japan America Society of St. Louis at 314 516 -5754.

MSPE ST. LOUIS CHAPTER INSTALLATION OF OFFICERS



MSPE St. Louis Chapter Installation of Officers was held May 20, 2009 at Vin de Set Roof Bar and Bistro. Photo **1**: President Marc Eschelmann is presented with a plaque in appreciation for his service during 2008-2009 by newly installed President Jason Dohrmann. Photo **2**: Officers take their oath to serve. (L to R): President Jason Dohrman, P.E., Vice President Matt Tinker, E.I.T, Secretary Jennifer Kuchinski, P.E., Chapter Director Christine Grunbaum, P.E., State Director L. Scott Becker, P.E., Chapter Director Allan Erdman. Photo **3**: President Marc Eschelmann recognizes ABNA Engineering, Inc. as a supporting organization of the MSPE St. Louis Chapter.



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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.

Tuesday, September 22nd at 12:00 pm - MSPE St. Louis Chapter Lunch Program, Guest Speaker: Michael "Sonny" K. Trimble, Engineers' Club, St. Louis, MO

Wednesday, October 21st at 12:00 pm - MSPE St. Louis Chapter Lunch Program, Speaker TBA, Engineers' Club, St. Louis, MO

Tuesday, November 17th at 12:00 pm - MSPE St. Louis Chapter Lunch Program, Speaker TBA, Engineers' Club, St. Louis, MO

December - No Program

January - MSPE St. Louis Chapter Program, MoDOT/IDOT Update, Time TBA, 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
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Address Correction Requested