



# **JEFFERSON CITY CHAPTER DECEMBER NEWSLETTER**



## **Upcoming Events and Meetings**

### **Tuesday, January 25, 2011 Chapter Meeting**

The MSPE Jefferson City Chapter Lunch for January will be held on Tuesday, January 25, 2010 from 12:00 p.m. to 1:00 p.m. at the American Legion at 1423 Tanner Bridge Rd. The meeting will be in the “Annex” room, through the bar area off the main dining room. There will be a lunch buffet with a choice of entrees, vegetables, salad, bread, dessert, and your choice of tea, lemonade, or coffee to drink. The cost will be \$8 per member and please mention that you are with the Engineers Club when you pick up your food.

The speaker for the meeting will be Todd Higgins, a professor from Lincoln University, who will be giving a presentation on the research they are doing in the area of land mine detection. If you are planning on attending, please RSVP to David Bange by 4 p.m. on Monday, January 24, 2011. David can be reached by email at [dbange@jeffcitymo.org](mailto:dbange@jeffcitymo.org) or by phone at (573) 634-6433.

### **Saturday, February 12, 2011, Chapter MATHCOUNTS Competition**

It's time again for MATHCOUNTS!! Looking for volunteers and donations!!!

MATHCOUNTS is a very successful math competition program reaching 6th, 7th, and 8th graders in all parts of our chapter. This year's event will be held on Saturday, February 12, 2011 at St. Peter Interparish School in Jefferson City. The address for the school is 314 W. High Street, Jefferson City, MO, 65101.

Registration will begin at 8:30 a m , the competition will start at 9:00am, and the event is expected to be completed by 12:30 p m. Lunch will be provided after the competition. Volunteers are needed for proctoring, grading (answers provided), lunch, setup and cleanup. Please contact Gary Davis ([GDavis@ESS-Inc.com](mailto:GDavis@ESS-Inc.com)) to volunteer.

Our expenses for conducting this competition in the past have been nearly \$1,000 each year. The Chapter has relied on financial support from local businesses as well as members of our local chapter. If you are interested in making a tax-deductible donation, you can make your check payable to “MSPE Educational Foundation” and send it to:

Jefferson City Chapter MSPE  
Attn: MATHCOUNTS  
P.O. Box 662  
Jefferson City, MO 65102-0662

## **Project Lead the Way**

### **MSPE is Looking for Volunteers to Help Promote Engineering to Middle School Students**

The Jefferson City Chapter of MSPE will again be partnering with Jefferson City Public Schools to serve as mentors for their program to introduce engineering to students at Thomas Jefferson and Lewis & Clark Middle Schools. The program is part of Project Lead the Way (PLTW), which is a national nonprofit organization established to help schools give students the knowledge they need to excel in high-tech fields. The middle school portion of the program is called Gateway to Technology. We will also help out at California Middle School and their new "Engineering Science" class.

At Jefferson City, students are taking classes in the following modules:

- Automation & Robotics, where students work with gears, joints, and automated design concepts to learn the basics of mechanics and machinery.
- The Magic of Electrons, where students use hands-on projects to learn about voltage, current, and circuitry.
- Design & Modeling, where students will use geometry, problem-solving, teamwork, and project management skills to design and develop product prototypes. The students will be using the "Auto Desk Inventor" software program, and the teachers have asked if any of us have any experience with this program and/or if someone would be willing to come in and work through the program and help the teachers (and maybe the students) learn the program. The program sounds like it may be similar to AutoCADD.

At California, students in the "Engineering Science" class are learning basic engineering concepts through lab activities, such as building a scale model chair out of index cards. We would like to have engineers from all disciplines occasionally attend classes during the day and possibly mentoring sessions after school. We would be assisting with their labs, and/or giving brief general presentations about engineering, discussing the skills needed to be an engineer (problem solving, critical thinking, etc.) and possibly discussing your field of engineering geared towards getting the kids excited about engineering.

If you would be interested in helping promote engineering to these students, please contact our chapter PLTW coordinator, Jason Sommerer at [Jason.Sommerer@modot.mo.gov](mailto:Jason.Sommerer@modot.mo.gov) or by phone at 573-522-6992.

### **Other Upcoming Meetings, Events, and Miscellaneous Issues**

#### **Board Meetings**

Board meetings are normally held on the first Tuesday of every month from 11:30 a.m. to 12:30 p.m. at the MSPE Building on East McCarty.

## Past Events and Meetings

### December 7, 2010, Chapter Christmas Party

The Christmas party was held at Madison's Café located in Jefferson City on December 7, 2010. The members, spouses and significant others attending enjoyed a great dinner followed by a spirited gift exchange that was very entertaining for all. The gifts were repeatedly "traded" back and forth in an effort to possess the best gift(s) at the end. Those in attendance along with pictures of the event are provided below.

David Bange, P.E.  
Julie Bange  
Travis Bruemmer, E.I.  
Zack Buechter  
Gary Davis, E.I.  
Krista Davis  
Elizabeth Duvall, P.E.  
Jerry Duvall  
Bill Fanska, P.E.  
Carla Gredell

Tom Gredell, P.E.  
Drew Henrickson, P.E. & Wife  
Cliff Jarvis, P.E.  
Debra Jarvis  
Rick Muldoon, P.E.  
Vickie Muldoon  
Greg Nehring, E.I.  
Barbara Neumann  
Don Neumann, P.E.  
Ashley Reinkemeyer, E.I.

Art Rice, P.E.  
Nancy Rice  
Rosella Schad, P.E.  
Britt Smith, P.E.  
Jason Sommerer, P.E.  
Linette Sommerer, CPA  
Ken Stumpf, P.E.  
Bruce Wylie  
Cathy Wylie



Front Row (L to R): Julie Bange, Cathy Wylie, Gary Davis, Krista Davis, Cliff Jarvis, Debra Jarvis.

Middle Row (L to R): Barbara Neumann, Don Neumann, Carla Gredell, Drew Henrickson's Wife, David Bange, Vickie Muldoon, Bruce Wylie, Greg Nehring, Ashley Reinkemeyer, Rosella Schad, Nancy Rice, Art Rice (Sorry his left shoulder only).

Back Row (L to R): Tom Gredell, Drew Henrickson, Jerry Duvall, Elizabeth Duvall, Jason Sommerer, Linette Sommerer, Rick Muldoon, Ken Stumpf, Zack Buechter, Britt Smith.

Not Pictured: Travis Bruemmer

Pictures of a few of the gifts traded during the gift exchange. Please note that the gifts did not necessarily make it home with those pictured below.



Top Row: Cliff and Debra Jarvis with a penguin cookie jar (left) and Carla Gredell with a Merry Christmas sign matching her outfit (right).

Bottom Picture: Britt Smith and Greg Nehring showing that they have chosen wisely.

### **Tuesday, November 30, 2010 Chapter Meeting**

The MSPE Jefferson City Chapter Lunch for November was held on Tuesday, November 30, 2010 at the American Legion at 1423 Tanner Bridge Rd in Jefferson City. Tyler McKee, Daniel Morales, and Alex Madinger with the student chapter of Engineers without Borders, from the University of Missouri Columbia, gave an excellent presentation on the history of their work, and their preparations for a return trip to Ciudad Espana, Honduras. The students have been reviewing the design of the existing wastewater treatment system and their intent to construct a water treatment system for the city. Those in attendance at the meeting and pictures of the event are provided below.

Bob Anderson, P.E.  
Bob Atkinson, P.E.  
David Bange, P.E.  
Travis Bruemmer, E.I.  
Garry Chegwidan, P.E.  
Gary Davis, E.I.  
Garrett Depue  
Elizabeth Duvall, P.E.  
Emad Faddoul, P.E.  
Bill Fanska P.E.

Don Fontana, P.E.  
Bob Gilbert, P.E.  
Guy Gilbert, P.E.  
Cliff Jarvis, P.E.  
Todd Kempker  
Christina Luebbert, P.E.  
Dan Maxwell, P.E.  
Greg Mihalevich, P.E.  
Edmund Moody, P.E.  
Greg Nehring, E.I.

Don Neumann, P.E.  
Art Rice, P.E.  
Britt Smith, P.E.  
Eric Stevens, P.E.  
Ken Stumpf, P.E.  
Sabir Vali, P.E.  
Gary Vandelight, P.E.  
John Wenzlick, P.E.  
David Williams, P.E.  
Dave Zimmerman, P.E.



Above Picture: Tyler McKee, Alex Madinger, and Daniel Morales (from left to right) from the student chapter of Engineers without Boards from the University of Missouri Columbia gave an excellent presentation on the work that they have been doing in Ciudad Espana, Honduras.



Above Picture: MSPE members and guests enjoying lunch prior to the presentation.



Above row: More of the MSPE members and guests enjoying lunch prior to the presentation.

### **Membership Update**

Please remember that membership is vital for our society. If you know someone who is not a member of MSPE, please give them an application and invite them to attend a meeting. The application is also available online at <http://www.mspe.org/membership.html>. First time attendees, member or not, will receive a free lunch. Also be sure to tell them about the Professional Development Hours (PDH) opportunities and the other benefits of being a part of MSPE.

### **Request for Educational Foundation Donations**

The MSPE Educational Foundation needs your donations. The MSPE Educational Foundation provides a tax deductible way for members to benefit the educational outreach activities of our society. It is important to have the resources to reach out to the younger people. We hear frequently that there will be a shortage of engineers in the future and many kids never know that their interest in building, and fixing, and calculating, and discovering can be developed into a wonderful career in engineering. A tax-deductible donation is also a way to help MSPE when you do not have the time to be more actively involved. Please send your donations to:

Jefferson City Chapter MSPE  
Attn: Education Foundation  
P.O. Box 662  
Jefferson City, MO 65102-0662