



# Nebraska Society of Professional Engineers

A state society of the National Society of Professional Engineers  
Eastern Chapter

August 2011

2011-2012

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### 6 Months Free

NSPE Membership  
applications may be  
obtained at

[www.nspenebraska.org](http://www.nspenebraska.org)

## President's Note

I would like to welcome you all back from the summer break. As committee chairs begin to fill and program topics start to fall into place, I know serving current members and encouraging new membership will be important.

In addition to our partnerships with IEEE and SAME, we will again partner with LOCATE in October, supporting the field of Transportation Professionals. Last year's meeting proved successful and we are looking forward to meeting with their professional group again.

As a past Mathcounts chair, I would like to thank those individuals who have dedicated many years of volunteering and support of the Mathcounts program, and to welcome and encourage new and younger members to become involved by volunteering for Mathcounts, attending our chapter meetings, and sharing your ideas on how to improve our organization.



## Upcoming Events

**Tues., Sept 27<sup>th</sup>: Chapter Mtg.  
Q Street Project (170<sup>th</sup> – 182<sup>nd</sup>)**

**Tues, October 25<sup>th</sup>:  
Joint LOCATE Mtg.**

**Tues., Nov 23<sup>rd</sup>: Chapter Mtg.  
Welcome New Registrants**

**Non-members welcome!!**

**Scott Conference Center  
6450 Pine Street  
11:30 a.m. – 1:00 p.m. +/-**

**PDHs available**

I would also like to encourage everyone to invite new members into our chapter. As you may be aware, Nebraska is still offering a 6 month free membership for new members, and if you recruit two new members your national dues are free.

I am looking forward to this year and anticipating seeing you at our upcoming events.

Sincerely,  
Bob Matlock, P.E.

## ***Member Highlights***

Each Newsletter we will take a look at some of our current membership and get to know a little more about who makes up our Chapter. So below are two members daring enough to share a little about themselves.

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***Bryan Sharp, P.E.*** - Project Manager, Ag Processing Inc

**Duties:** Manage multi-million dollar projects at grain elevator, soy processing, refinery, oil packaging and ethanol facilities. Provide engineering support as required to all our production facilities.

**Years at current company:** 8 years

**School(s) attended and year(s) of graduation(s):** B.S. Mechanical Engineering (2003), Masters of Engineering (scheduled to be complete August 2012) both at University of Nebraska-Lincoln



**List career highlight(s):**

I began my career with AGP working for operations at soybean crush facilities in Manning, IA and Sheldon, IA before being relocated to our corporate engineering department in Omaha, NE. I obtained my professional mechanical engineering license in 2008.

**Interesting projects you have worked on or are currently working on?**

I have been fortunate in my career at AGP to work on projects at numerous facilities. I have managed and/or been part of installation of soybean crush expansions, new methyl ester facility, 730,000 bushel steel bin, 1,400,000 bushel flat storage building, ethanol process improvements, and a vegetable oil packaging line.

**Interesting challenge you've had in your career:**

One of the biggest challenges I have had in my career is balancing work with family. I have a wife and three kids and making sure I spend quality time with them is very important to me. Obtaining my professional engineering license and master's degree (in process) takes time away from them, but I believe these career enhancement tools will provide my family with security for the long-term.

**Is there anything else others might be interested in knowing about you?**

My hobbies include spending time with my family, college sports (especially Nebraska Football), fishing and running. None of them I have enough time for, but I do them as much as I can.

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**Laura J. Manning, P.E.** - Sr. Distribution Planning

Engineer, Omaha Public Power District

**Years at current company:** 9

**School(s) attended and year(s) of graduation(s):** B.S. in Electrical Engineering (BSEE) – UNL, Masters of Business Administration (MBA) – Bellevue University



**How did you get into engineering?**

I researched professions for strong math students and after an elaborate calculation of pluses and minus', Electrical Engineering won. I could've come to the same conclusion just by following in my dad's footsteps, a retired Electrical Engineer from Lincoln Electric System (LES).

**Interesting projects you have worked on or are currently working on?**

I just finished leading a team that drafted the Impacts to the Grid, Distribution section, of IEEE 2030.1 Guide for Electric-Sourced Transportation Infrastructure. Electric vehicles are the future and our group documented ways to prepare for them and mitigate their impact to Distribution systems. It was a great experience that I wouldn't mind repeating.

**Interesting challenge you've had in your career:**

A few years ago, I led a project that constructed an electrical switchgear building over top of existing, concrete-encased energized ductline. Once the switchgear building was in place, the conductor the new basement had been built around had to be cut and spliced to the new breakers above. After many challenges, the job was done on time, within budget and without any unplanned customer outages.

**Is there anything else others might be interested in knowing about you?**

I am the web developer and master for the Platteview High School Booster Club, as well as the president for a 3rd year. I'm proud to have found the Club a free web host and to have moved it up to the 20th century with dynamic database driven web pages. I added online membership registration and payment this year. The 21st century is on the horizon—Facebook, Twitter, whatever's next. Check it out at [www.PlatteviewBoosters.org](http://www.PlatteviewBoosters.org).

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**NeSPE Education Seminar and Education Foundation Golf Outing**

As you may be aware, NeSPE has Dr. Kim Blair slated to speak at the annual seminar, September 16<sup>th</sup> at Woodland Hills. Hopefully you all read the impressive article by Dr. Blair in the July newsletter! Dr. Blair is the founding Director of the Sports Innovation Program at MIT and will no doubt provide a fabulous and informative presentation.



## MARK YOUR CALENDARS

Please join us for a seminar  
“The Disciplines of Technology Development and Product Design”

Featuring

Dr. Kim Blair, Ph.D.

Friday, September 16th, 2011

Woodland Hills Golf Course, 6000 Woodland Hills Drive, Eagle, NE

Cost: \$20.00      1.0 PDH Available

9:30am—10:30am	NeSPE Board of Directors Meeting (open to all members)
10:30am-11:00am	Registration/Continental Breakfast
11:00am-Noon	“The Disciplines of Technology Development and Product Design”
Noon	Golf registration—lunch on your own at the clubhouse

----- CUT HERE -----

Please submit your RSVP no later than Friday, September 9th

Yes, I plan to attend and have included my pre-payment of \$20.00

**PRE-PAYMENT IS STRONGLY ENCOURAGED. CHECKS ONLY.**

Name: \_\_\_\_\_ Company: \_\_\_\_\_

Make checks payable to NeSPE and send to:

301 S. 13th St., Ste. 400, Lincoln, NE 68508

Questions: 402.476.1188



## *NeSPE Education Foundation 6th Annual Golf Outing*

### **Where:**

Woodland Hills Golf Course  
6000 Woodland Hills Drive  
Eagle, Nebraska  
(402)475-4653

### **When:**

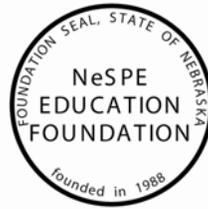
Friday, September 16, 2011

Registration starts at 12:00 noon  
1:00 PM Shotgun Start

\$85 per Individual Player  
\$340 per Foursome

4 Player Scramble

Register Today!  
September 9th Deadline



Established in 1988, the Nebraska Society of Professional Engineers Education Foundation (NeSPEEF) is the major source of financial support for the Nebraska Society of Professional Engineers (NeSPE) for the education and ethical training of students desiring to enter into the practice of engineering, advancing the quality of practicing engineers within the state and expanding the public awareness of the role of engineering in improving the quality of life.

### **Registration**

Mail form and payment to:

NeSPEEF Golf  
13478 Chandler Rd.  
Omaha, Nebraska 68138-3716

### **Payment Method**

Checks Payable to NeSPEEF

### **Event Questions?**

Contact Michael Gerdes at  
402.556.2171 or  
mgerdes@thielegeotech.com

*NeSPE Education Foundation*  
**MATHCOUNTS**



# *NeSPE Education Foundation 6th Annual Golf Outing*

**September 16, 2011**

**Woodland Hills**  
Eagle, Nebraska

# Golf Packages

## Golf packages includes:

18 holes of golf, free range balls, golf cart, pin prizes, door prizes.

Single: \$85

Foursome: \$340

**Mulligans:** \$5 each, 5 for \$20  
maximum of 5 per person

**Registration at 12:00 noon**

**Shotgun Start at 1:00 PM**



## Event Questions?

Contact Michael Gerdes at  
(402)556-2171 or  
mgerdes@thielegeotech.com

# Sponsorships

- Hole Sponsor \$100
- Beverage Cart \$300
- Championship Flight \$250
- Open Flight \$200

\_\_\_\_\_  
Company Name

Send Payment to:  
NeSPEEF Golf  
13478 Chandler Rd.  
Omaha, NE 68138-3716

# Donations

NeSPEEF is accepting donations for door prizes. Select the following items you would be donating. And we *thank you*.

\_\_\_ *Gift Certificates*

\_\_\_ *Golf Balls*

\_\_\_ *Shirts*

\_\_\_ *Promotional Package*

\_\_\_ *Other*

*\*Contact Bart Pugh at (402)556-2171 or  
bpugh@thielegeotech.com to coordinate  
donations.*

# Registration

## NeSPEE Education Foundation

### 6th Annual Golf Outing - 9/16/11 1 PM

Select one:

- Foursome - \$340
- Individual - \$85 each

\_\_\_\_\_  
Golfer #1 (Team Captain)

\_\_\_\_\_  
Golfer #2

\_\_\_\_\_  
Golfer #3

\_\_\_\_\_  
Golfer #4

## Team Captain Contact Info.

\_\_\_\_\_  
Company

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Email

## Send Payment & Registration to:

NeSPEEF Golf  
13478 Chandler Rd.  
Omaha, NE 68138-3716

**Fax Registration if needed to  
402.556.7831**

**\*Sept. 9 Deadline, Cancellations after  
Sept. 9 will be responsible for payment**