



# The Engineering Informer

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**WebEx:** this month's presentation will be broadcast on WebEx so please plan on tuning in on the web if you can't be here in person! See the instructions on how to use WebEx on page 6 of this newsletter.

## IMPORTANT NEWS

### NEXT MEETING:

April 9, 11:30 AM @ Pizza Ranch on 41st Street—John Faundeen from EROS will give a presentation titled *USGS EROS: Space Engineering In Our Backyard*.

## PRESIDENT'S COLUMN

BY JEFFERY HINES—PE

Greetings Eastern Chapter!

Your SDES Eastern Chapter is nearing the completion of its ambitious schedule for 2013. This month, we will continue our noon lunch meetings at the Pizza Ranch. This month's presentation will be by John Faundeen, who is an archivist for EROS. The title of his presentation is "USGS EROS: Space Activity is Our Background".

As always, the lunch meeting will be broadcast on WebEx, so please plan on tuning in on the web if you can't be here in person! We are still not getting a lot of participation on the WebEx platform, so I encourage you to get the word out to your colleagues in areas other than Sioux Falls to take advantage of this opportunity. Our new members in places like Yankton, Mitchell, Brookings and Aberdeen may want to look at this as a great way to keep up with what is happening. We are looking into ways to improve the sound in order to make sure the WebEx visitors can fully hear all the interaction and speaker presentation information that we experience live.

During last month's lunch meeting, we heard from Len Neugebauer, PE, LS from the SD Board of Technical Professions. Thanks to Len for an excellent presentation that was very informative.

Also, we would like to extend a hearty welcome to two more new members of the Eastern Chapter of the SDES, Will Newbold of Eisenbraun and Associates in Yankton, and Jonathan Wiegand of Howard R Green in Sioux Falls. Chad Hanisch has also been busy up at SDSU. More on that below.

The 2013 Annual Conference final preparations are wrapping up. Registration brochures were mailed out the week of March 4. Thanks to Shannon Schultz and the many members of the committee who have put together an awesome conference lineup. Remember that the dates of the conference are May 1-3, 2013, so be sure to mark this on your calendars.

The SDES program year is coming to a close. May will be our last noon lunch meeting until September. It has been another great year for your Eastern Chapter, and membership has grown by over thirty new members..... and that doesn't include the sixteen new student members that Chad Hanisch tells me he signed up at his second annual SDSU "recruiting" day. Great job Chad in steering potential new professional members to our Society and to membership in the whole NSPE/SDES experience.

I would like to personally thank the SDES Board members, Committee Chairs, lunch speakers, and others for all their hard work and dedication to the Chapter this year. These individuals put in a lot of personal time and effort to plan and staff all of our Eastern Chapter activities and programs. From MathCounts to our Scholarship Program; the Annual Awards; the Annual Banquet; the Fall PDH Conference; monthly meetings; E-Week activities; the Golf Outing fund raising event; and the Annual Conference, the Eastern Chapter is thriving and growing. And let's not forget the support of our scholarship program, EWB program, STEM education and other local and regional events that your contributions have supported this year. Thanks again to all for your hard work, support and friendship.

Looking forward to seeing you all at this month's lunch meeting.

**G. Jeffery Hines**

**TREASURER'S REPORT**

BY RAY PIERSON, PE

Balance as of 4/4/13

**Previous General Fund Balance (3/5/13) \$ 15,667.65****Expenses:**

Kristen Gundvaldson (Supplies for 2012 Fall Conf.) \$ (457.05)

Len Neugebauer (Speaker Lunch) \$ (10.25)

WebEx (March) \$ (49.00)

Stamps \$ (46.00)

Robot Geeks (Donation for World Tourn.) \$ (500.00)

EWB SDSU \$ (500.00)

Chad Hanisch (Pizza for ASCE Meeting) \$ (144.49)

Shannon Schultz (Conf. planning meeting) \$ (88.19)

Total \$ (1,794.98)

**Deposits:**

Interest (March) \$ 2.02

Total \$ 2.02

**Total General Fund \$ 13,874.69****Previous Scholarship Fund Balance (3/5/13) \$ 9,086.64****Expenses:**

\$ -

Total \$ -

**Deposits:**

Total \$ -

**Total Scholarship Fund \$ 9,086.64****Total Account Balance \$22,961.33****IMPORTANT  
CALENDAR ITEMS****EASTERN CHAPTER MEETINGS:**

- April 9, 11:30 @ Pizza Ranch on 41st Street

**SDES Annual Conference**

May 1-3, 2013

Ramkota Hotel, Sioux Falls

**PE & FE Exam Dates**

PE	FE	Applications Due
		<u>2013</u>
Oct 25	Oct 26	July 1
		<u>2014</u>
Apr 11	Apr 12	Jan 1
Oct 24	Oct 25	July 1

**SDES EASTERN CHAPTER BOARD  
ELECTIONS APRIL 9, 2013**

At our regular April meeting we will be holding elections for the next year which starts in May. While most positions will be filled with a typical progression of board members, we have one Board position open for Secretary/Treasurer as Ray Pierson moves to the Vice President position. We also have the need to fill the Chairperson position for Public Relations which is not an elected position. Please call the Chapter Nominations Chairman, Ray Pierson at 605-332-7211 if you would like to be considered to fill either of these positions.

To add a calendar item, please contact Josh Peterson at [JPeterson@siouxfalls.org](mailto:JPeterson@siouxfalls.org)

## STATE MATHCOUNTS WINNERS—SHANNON SCHULTZ, PE, CFM

A team of middle school Mathletes® from Patrick Henry Middle School of Sioux Falls won the state MATHCOUNTS competition. The top individual was Eric Feng, an eighth grader also from Patrick Henry.

Members of the winning team are: Eric Feng, Akshay Choudhry, Ajun Choudhry, and Max Peters from Patrick Henry Middle School. Their coach is Dr. Sharon Andrews, EdD from the ULE/Humanities programs.

The second and third place teams are from Mickelson Middle School from Brookings, and Edison Middle School of Sioux Falls, respectively. Fourth place was won by Roncalli Junior High School of Aberdeen.

The top four individuals from the State Competition will represent South Dakota at the 2013 Raytheon MATHCOUNTS National Competition in Washington, DC, May 9-12. The four team members are Eric Feng, Patrick Henry Middle School, Sioux Falls; Jenny Jin, Mickelson Middle School, Brookings; Judah Aderhold, Temple Builders Academy, Bath; and Askhary Choudhry, Patrick Henry Middle School, Sioux Falls. The national team coach is Dr. Sharon Andrews, EdD, Patrick Henry Middle School, Sioux Falls.

In our increasingly technological society, those students who do not begin developing strong problem-solving, logical thinking and analytical abilities in middle school will face an uphill battle later in life if they wish to pursue a medical, scientific, mathematical, engineering or technical career. As a national math enrichment, coaching and competition program designed to improve math skills among U.S. students, MATHCOUNTS prepares students for future career opportunities and success. More than 6 million students across the U.S. have participated in the MATHCOUNTS program.

The state program is sponsored by the South Dakota Engineering Society, 3M Foundation, and many other individuals and companies across South Dakota. Leadership of the local MATHCOUNTS program is provided by members of the Central Chapter of the South Dakota Engineering Society, a state affiliate of the National Society of Professional Engineers.

The National Sponsors of MATHCOUNTS are Raytheon Company, Northrop Grumman Foundation, U.S. Department of Defense, National Society of Professional Engineers, CNA Foundation, ConocoPhillips, Texas Instruments Incorporated, 3M Foundation, Art of Problem Solving and NextThought. MATHCOUNTS was founded by the National Society of Professional Engineers, National Council of Teachers of Mathematics and CNA Foundation.

Additional information on MATHCOUNTS is available at [www.mathcounts.org](http://www.mathcounts.org).



1st Place—Patrick Henry



2nd Place—Mickelson



3rd Place—Edison



1st Place—Eric Feng



2nd Place—Jenny Jin



3rd Place—Judah Aderhold

# 53RD ANNUAL SDES CONFERENCE



**May 1-3, 2013**

**Ramkota Hotel  
Sioux Falls, SD**



Register online at: [www.sdes.org](http://www.sdes.org)

## Program Agenda

### WEDNESDAY, MAY 1

**Registration; SDES Board Meetings; Hospitality Room**

### THURSDAY, MAY 2

**Legislative Perspective on Transportation;** Shantel Krebs – District 10 Senate

**Map 21 & Asset Management;** Butch Wlaschin, PE – FHWA (Washington, DC)

**Managing Risk for Engineers;** Sean Mayer – Homes & Murphy

**SURF Past, Present, and Future;** Josh Willhite – Sanford Underground Research Facility

**Ground Water Remediation at the Wharf Mine;** Ron Waterland – Wharf Resources, Inc.

**Innovations in County Bridge Design & Safety Projects;** Brian Keierleber, PE – Buchanan County Iowa

**Baltic Bridge: Emergency Closure and Expedited Design;** DJ Buthe, PE – Minnehaha County & Steve Hoff, PE – HDR

**Lunch; State of SDES;** Jody Page, PE – HDR; **Keynote Speaker;** Art deWit – NICET Board of Governors

**Improvements to the City of Sioux Falls Flood Risk Reduction System;** Tom Berkland, PE, RLS – City of Sioux Falls

**Managing the Missouri River: Policy & Operations;** William Doan, PE – US Army Corps of Engineers (Omaha)

**An Overview of Drainage Policy in Minnesota;** Robert L. Sip – Minnesota Department of Agriculture

**Agricultural Subsurface Drainage: A change in the South Dakota Landscape;** Dr. Christopher Hay, PhD, PE – SDSU

**Ground Zero of Sioux Falls Convention Center – Construction Site Tour**

**SDES Membership Meeting**

**Banquet Dinner, Awards, & Entertainment: People Come in All Sizes, Shapes, and Colors,** Michael A. King

### FRIDAY, MAY 3

**ASCE Annual Section Meeting**

**Planes, Trains and Transit, A review of SDDOT's Recent Successes and Other Program Updates;** Bruce Lindholm – SDDOT

**MRC Railroad Rehabilitation;** Carey Bretsch, PE – Civil Design Inc.

**Small Community Wind Energy Projects-An Overview;** Matthew Hein, PE, BTU Engineering

**City of Sioux Falls Landfill Gas Extraction;** Dave McElroy & Dustin Hansen – City of Sioux Falls

**"Fixing" Brookings Regional Airport;** Bob Babcock, PE – Helms & Associates

**Downtown Sioux Falls Railroad Redevelopment Project;** Joshua Peterson, PE – City of Sioux Falls

**Produced Water and Hydraulic Fracturing Flowback Treatment for Beneficial Reuse;** Dr. Dave Stewart, PE – Stewart Environmental

**Sioux City's Southbridge Regional Water Treatment Plant;** Ricky J. Mach – Sioux City

**Past President's Luncheon**

**Informal 2-person Scramble Golf Outing at Elmwood**

## GETTING TO KNOW YOU Member Bio

JSA Engineers/Land Surveyors  
6810 S Lyncrest Ave  
Sioux Falls, SD

Phone: 605-367-1036  
Fax: 605-367-1002

### MYRON ADAM, PE

Degree:  
SDSU—B.S. in Civil Engineering

**A brief history...** I was born in Yankton, South Dakota and grew up on a farm in rural Yankton. After many trials and tribulations the farm was lost in the early 80's and we moved into Yankton. I spent the summers playing baseball and working (cooking) for the hospital. While in college I spent summers working with the USACE at Gavins Point Dam and Fort Randall Dam on the Missouri River. I have ten brothers and sisters who are now spread across several states including South Dakota, Iowa, Nebraska, Texas and Georgia. After graduating from SDSU I started work for Bernhard Eisenbraun Associates in Yankton then moved onto DGR and now I am over at JSA here in Sioux Falls. I will have been married fifteen years this coming June and have four children. My oldest boy Cole enjoys baseball, piano and saxophone (plus his new cell phone). Isaac, my nine-year old, is ever inquisitive and ready to try new things. My only daughter Hilary is the typical little girl (careful though, she's a ball of muscle with an attitude - must come from dealing with three brothers). Wei just turned five and tries his hardest to keep up with the others.



### A LITTLE BIT MORE ABOUT OUR MEMBER OF THE MONTH:

**Family:** Heather, Cole(12), Isaac(9), Hilary(7), Wei(5)

**Hometown:** Yankton, SD

**Job title and years with firm:** Project Manager/Owner, 6 Years

**Favorite Room in Your House:** I enjoy our rec-room downstairs as the kids and I play baseball, softball, dodgeball etc., etc.. We have only broken one ceiling light and a couple of pictures. Unfortunately when we moved into the home the room was covered with a white shag carpet. I don't think anyone would call it white anymore.

**Normal Breakfast:** A bowl of cereal while watching ESPN.

**Last CD Purchased:** A few years ago I bought a best of Johnny Cash CD - how exciting is that!

**Last DVD Purchased:** I just bought some kind of XBOX auto-racing game for my 9-year old.

**Hobbies:** This time of year and into summer I enjoy coaching baseball for my boys' teams. In the fall, nothing better than getting outdoors and attempting to bow hunt.

**What do you collect?** Right now, kids and dogs.

**Best Personality Trait:** The ability to maintain the illusion of staying calm in most situations.

**Pets:** Ginger (6 year old cocker-spaniel) Casper (1 year old golden-doodle)

**Pet Peeves:** Neighbors that don't like kids and people that compare their pets to having kids.

**Favorite beverage:** A cup of coffee in the morning before the

kids are up and a bottle of brew in the evening when the kids are in bed.

**Favorite TV Show:** Currently I catch Duck Dynasty when I can - with all my brothers I can sometimes relate to the show (except for the millions of dollars duck call business thing).

**Favorite season:** Baseball and hunting

**People may not know...** I am the youngest of the eleven kids in my family.

**What made you want to be an engineer?** I started undergraduate school at Iowa State in their architecture program. After a semester in Ames I transferred to Brookings to be closer to friends (and it was cheaper). A friend made an off-hand comment that I should be an engineer so here I am, almost twenty years later.

**Describe a significant event in your personal life.** My wife and I travelled to China a few years ago and adopted a little boy. He has given us so much joy and has been such a blessing to our family.

**Describe an achievement from the past year you are proud of.** I have been able to balance work with my kids activities. I am able to take my girl to dance and ballet classes, take my boys to piano, baseball, and basketball activities, attend school trips and parties and get them all to Sunday school and church.

**Favorite place:** We took the kids to Disney World last year during an "off-peak" time - highly recommended. There were no crowds to contend with and the kids had a blast.

**We are on the web**<http://www.sdes.org/>**2010-2011 OFFICERS  
AND CHAIRPERSONS**

President	Jeffery Hines, PE
President Elect	Phil Gundvaldson, PE
Vice President	Ryan Johnson, PE
Secretary/Treasurer	Ray Pierson, PE
Chapter Director(2nd term)	Travis Clark, PE
Chapter Director(1st term)	Brett Runge, PE
State Director	Kristen Gundvaldson, PE
Past President	Pat Schwebach, PE
Chapter Nominations	Ray Pierson, PE
Membership	Jason Kjenstad, PE
Mathcounts	Phil Gundvaldson, PE
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Awards	Brad Ludens, PE
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Membership List	Myron Adam, PE

**SDES MISSION STATEMENT**

SDES is the state society of engineers from all disciplines that promotes the ethical and competent practice of engineering, advocates licensure, enhances the image of its members, and advocates legislation and public policy for the betterment of human welfare and the profession.

For any and all newsletter articles, additions, edits, corrections, and important dates,

**CONTACT:**

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224 W NINTH STREET  
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SIOUX FALLS, SD 57117-7402  
605-367-8616  
[jpeterson@siouxfalls.org](mailto:jpeterson@siouxfalls.org)

**Webex Login Instructions**

Navigate your internet browser to:

<https://sdes-eastern.webex.com>

Select the meeting date from the calendar in the "Browse Meetings" Window.

Click the "Register" link by the monthly meeting.

Fill in your first name, last name, email address and hit the "Register Now" button at the bottom.

A registration email will be sent with all the information to log into the meeting.



For all State Society membership information and other business, contact:

Gail Boddicker, Executive Director  
SDES  
Rapid City, SD 57709  
605-394-6674  
[Gail.Boddicker@sdsmt.edu](mailto:Gail.Boddicker@sdsmt.edu)



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*Thank you to all of you who continue to generously support the Eastern Chapter of SDES.*