Welcome to February! While the shortest month in terms of days, it usually seems to feel like the longest as winter hangs on and work deadlines tend to converge as we get ready for the summer. However, to maybe help break up the last few weeks of winter, there are a number of SDES items coming up that we would like to remind you of:

- **E-Week** – February 18-24, 2018
- **Super 2nd Saturdays** at Washington Pavilion – February 10, 2018, from 10 a.m. to 2 p.m.
- **MATHCOUNTS** – February 22, 2018, at 2:00 p.m.; Southeast Technical Institute
- **Serving breakfast at The Banquet** – February 21, 2018
- **Annual SDES Awards Banquet** – February 24, 2018, at the Holiday Inn City Centre; Casino Night
- **2018 Annual Conference** – April 4-6, 2018, at the Holiday Inn City Centre

If you are interested in volunteering for any of these events, please see the respective ad in the newsletter and contact the respective chairperson. We will also be discussing these events one more time at the upcoming chapter meeting.

There have been a number of new members since our last meeting. Please welcome the following to SDES:

- Lori Faber-Woodward
- Karin Lang
- Freddy Moran
- Jacob Morris
- Lance Nolz
- Shawn Vanhove

Our next meeting is Tuesday, February 13, 2018 at the 41st Street Pizza Ranch. The meeting starts at 11:30 with lunch and the business meeting starts at 12 noon. Becky Baker with KLJ will be presenting on environmental requirements for engineering projects. As a reminder, if you are unable to attend in person but would like to participate in the meetings, please login through WebEx. Login instructions are provided within each newsletter.

And before closing, I would like to thank DJ Buthe for presenting last month on the Minnehaha County Bridge System. It was great to hear the success they are having with a proactive approach to maintaining their bridge system.

See everyone on Tuesday, February 13, at Pizza Ranch.

-Jon
**TREASURER’S REPORT**
BY JOSH PETERSON, PE

<table>
<thead>
<tr>
<th>Previous General Fund Balance 01/04/2018:</th>
<th>$ 24,701.37</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deposits:</strong></td>
<td></td>
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<tr>
<td>Interest Deposit</td>
<td>$ 2.72</td>
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<tr>
<td>Total:</td>
<td>$ 2.72</td>
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</table>

**Expenses:**

| Total:                                  |             |

Total General Fund Balance: $ 24,704.09

**Previous Scholarship Fund Balance 01/04/2018:**

| $ 6,980.15 |

| **Deposits:** |             |
| Total:        | $ 6,980.15  |

**Expenses:**

| Total:                                  |             |

Total Scholarship Fund Balance: $ 6,980.15

Total Account Balance 02/07/2018: $ 31,684.24
IMPORTANT CALENDAR EVENTS

EASTERN CHAPTER

MEETINGS:
February 13th at 11:30 am
at Pizza Ranch on 41st Street

OTHER EVENTS

- Saturday, February 10—Volunteer and/or Attend the E-Week Outreach event at Kirby Science Center
- Wednesday, February 21—Volunteer to serve at the Banquet (meal ministry)
- Thursday, February 22—Volunteer at Mathcounts
- Saturday February 24—Engineering Awards Banquet
- Wednesday April 4 to Friday April 6—SDES Annual Conference in Sioux Falls

Upcoming Chapter Meetings

March: City of Sioux Falls, Sioux Falls MPO, and SDDOT Project Update, Shannon Ausen and Travis Dressen

April: no meeting, Annual Conference April 4-6

May: FHWA Topics, Kirk Fredrichs and Mark Hoines, FHWA South Dakota Division

February 2018

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<tr>
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TO ADD A CALENDAR ITEM PLEASE CONTACT ABBY NELSON @ ABBY.NELSON@HDRINC.COM
SDES is again teaming with the Kirby Science Discovery Center (KSDC) in February to celebrate National Engineers Week (E-Week).

On February 10th between 10am and 2pm, volunteers will provide an engaging demonstration and activities to introduce engineering principals to 450 patrons expected to attend the special E-Week Super Second Saturday event.

The demonstration will showcase engineering through popular Disney Pixar (R) film clips. Three engineer-themed activities will provide hand's on learning to coincide with the demonstration.

- Station 1 includes a discovery of the effects of friction on a road, think of Mater driving over that first pavement project from Lightning McQueen.
- Station 2 will move into aviation with paper airplanes following footage from the movie Planes.
- Station 3 will reach patrons at a more challenging level by bringing in the KSDC’s tornado booth to build and test structures to resist tornadoes. The Dream Big film will be brought back to The Wells Fargo Cine-dome, again showcasing engineering. A portion of the film featuring the Shanghai Tower’s unique twist of 120 degrees for minimizing wind loads on the 2,073 ft tower will help introduce the impact of wind on tall structures for the tornado activity.

We still have a few volunteer slots available. If you are interested in becoming involved, please contact Erin Steever at erins@bannerassociates.com. We also encourage all members to bring their families, friends, and neighbors out to this fun event. Standard admission applies to all except the event volunteers (find out more at https://www.washingtonpavilion.org/plan-your-visit/rates).
Sponsored by: verizon

Super 2nd Saturday - February 10, 2018
The Art of Engineering

Join us each 2nd Saturday as science and art come to life through hands-on activities, science demonstrations and gallery tours!

Regular Kirby Science Discovery Center and Visual Arts Center daily admission rates apply. Members are FREE.

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>10 a.m.-2 p.m.</td>
<td>Tornado Engineering</td>
<td>3rd floor, Kirby Science Discovery Center</td>
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<td>Paper Airplanes</td>
<td>3rd floor, Avera Stage Science</td>
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<td></td>
<td>Rad Ramps</td>
<td>3rd floor, Avera Stage Science</td>
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<tr>
<td></td>
<td>Accordion Book Engineering</td>
<td>Raven Children's Studio, Visual Arts Center</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>Avera Stage Science Workshop</td>
<td>3rd floor, Avera Stage Science</td>
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<td>&amp; 1:15 p.m.</td>
<td>“Engineering with Disney”</td>
<td>3rd floor, South Dakota Engineering Society</td>
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<td>12:30-2:30 p.m.</td>
<td>STEAM Maker Lab</td>
<td>2nd floor, Jacks Imagination Lab</td>
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<tr>
<td>2:30-4:30 p.m.</td>
<td>Creation Art Studio</td>
<td>Raven Children's Studio, Visual Arts Center</td>
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<tr>
<td></td>
<td>Paper Strip Engineering</td>
<td></td>
</tr>
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**WELLS FARGO CINEDOME:**

11 a.m. Amazon Adventure
12 p.m. Dream Big
1 p.m. Mysteries of China
2 p.m. Dream Big
3 p.m. Journey to Space
4 p.m. Mysteries of China

Admission to the CineDome is included with your daily Science Center admission.

Sponsored by: NSPE-SD

Experience Your Washington Pavilion
VOLUNTEER OPPORTUNITIES FOR ENGINEERS WEEK
KURT PEPPEL, PE, AND KRISTA MAY, PE

Save the Date

When: Wednesday, February 21, 2017
Who: 5-6 volunteers at 5:30am
20 volunteers 6:30-8:30am
Where: The Banquet

Volunteer Sign-up sheet will be available at February’s lunch meeting.

Free will donation to cover the cost of the meal will be taken at February’s meeting.

Contact Kurt Peppel at kpeppel@siouxfalls.org with questions.

Save the Date

When: Thursday, February 22, 2017
from 1:30pm – 6:30pm
Where: Southeast Technical Institute, Sullivan Health/Science Center, Room HC 257
Who: Six middle schools from SE South Dakota

Volunteers needed to help with the registration table, hand out tests, watch for cheating, grade tests, and keep time.

Volunteer Sign-up sheet will be available at February’s lunch meeting.

Contact Krista May at kristam@infrastructuredg.com or 605.929.0267
FEBRUARY 24, 2018
EASTERN SDES/ASCE AWARDS BANQUET

Holiday Inn Sioux Falls City Centre
100 W 8th Street, Sioux Falls, SD 57104

Join friends and colleagues at this year’s SDES/ASCE awards banquet! Arrive early for social hour, hors d’oeuvres and review project displays while enjoying views from the Starlite Ballroom.

Dinner (buffet style) featuring Bacon Wrapped Gouda Chicken and Slow Simmered Pot Roast, Roasted Baby Red Potatoes, Caesar Salad, Roasted Vegetables and Fresh Fruit.

Recognition of this year’s SDES and ASCE award winners will be followed by a Casino Night, presented by the Sioux Falls Jaycees. Tables will include Black Jack, Craps, Texas Hold ‘Em, Roulette and more. The event is designed to be fun for all skill levels!

Members’ guests are welcomed and encouraged to attend.

RSVP by Feb. 16, 2018

Name(s):__________________________________________
Number of persons attending (Guests encouraged):____
Member of: ASCE______  SDES ________ Other _________

SCHEDULE
SOCIAL [5:30-6:30]
DINNER [6:30-7:30]
PROGRAM & AWARDS ENTERTAINMENT
[8:00-9:30]

Directions: From I-90: Take Exit 400 (I-229) and travel south 4 miles to Exit 6 (10th Street). Turn Right (West) on 10th Street and travel 2.5 miles to Phillips Ave. Turn Right (North) on Phillips Ave and go to 8th Street. Proceed thru the intersection and turn left and arrival at the hotel.

Parking: Parking lot in front of the hotel, additional parking in hotel parking ramp accessible from the west side of the parking lot, and N. Phillips Avenue.

Banquet: The banquet will be held in the Starlite Ballroom on the top floor of the Holiday Inn.

RSVP & SEND PREPAYMENT TO:

JSA Consulting Engineers
Attn: Myron Adam
6810 S. Lyncrest Ave, Suite 101
Sioux Falls, SD 57108
Myron@jsaengineers.biz

Cost: $25/person
[Make checks payable to Eastern Chapter SDES]
Greetings, from FIRST Tech Challenge team, Fellowship of the Loose Screws! We are a high school level group of kids who build and program a 40 pound robot. Kids can do amazing things, including becoming engineers, and thousands around the world are doing just that- even right here in Sioux Falls, South Dakota. Through the series of robotics programs by FIRST, (For Inspiration and Recognition of Science and Technology) younger kids are building with LEGO, and older kids with power tools, 3D printed parts, and machined aluminum, navigated by gyroscopic, ultrasonic, and camera vision sensors- all the while learning skills that will help them succeed in a multitude of fields. FIRST builds the innovators of tomorrow, and if you would like to check out what some of these young engineers are up to, swing by the FIRST LEGO League South Dakota State Championship on January 27th at Augustana University. Any interest in helping or meeting the Fellowship, get in contact with us at fellowshiploosescrews@gmail.com.

Get involved in the future- we certainly have!

Here is a photo of our robot, Legoless.

Message brought to you by FIRST Tech Challenge team 7123,
The Fellowship of the Loose Screws
fellowshipoftheloosescrews.com
NEW MEMBER HIGHLIGHT

Karin Lang
Sayre Associates, Inc
216 S. Duluth Ave
karinl@sayreassociates.com
(605) 332-7211

A little more about me....

I am a born and raised, East River, South Dakotan. From an early age, I knew I was going to attend SDSU, I just didn’t know it was going to be for 6 years! While there, I received a bachelors in Civil Engineering and Mathematics and then decided to become even nerdier and get my masters in Mathematics. While in college I met my husband and through our years together we have welcomed a dog Bailey (5) and a daughter Hailey (1) into our lives. My special accomplishments include only snoozing my alarm once and being known as the lady that always has candy in her office. I have a great career that started and continues at Sayre Associates.

College: SDSU
Major: Civil Engineering & Mathematics
Favorite Quote: “So you’re telling me there’s a chance”
- Lloyd from Dumb & Dumber

Family: Husband- Jeff and Daughter - Hailey
Hometown: Hartford, SD
My Normal Breakfast: Cereal
Last CD Purchased: Who purchases CDs anymore? :)
Last DVD Purchased: Guardians of the Galaxy, Vol. 2
Hobbies: Reading, Playing with my dog, being a Kleenex for my daughter.
Pets: Chocolate Lab, Bailey
Pet peeves: Slow Walking in Stores.
Favorite TV Show: Friends
People may not know about me.. I’m left handed. It’s true!
What made you want to be an engineer? My love of math.
What do you like best about being an engineer? There are no 2 projects that are exactly alike.
Describe an achievement from the past year you are proud of. The birth of my daughter.
Favorite Place to Visit and Why: Disney World! I’m a kid at heart.
2017-2018 OFFICERS AND CHAIRPERSONS

Officers
President Jon Wiegand, PE
President Elect Lance Weatherly, PE
Vice President Krista May, PE
Secretary/Treasurer Josh Peterson, PE
Chapter Director(2nd term) Joshua VandenBos, PE
Chapter Director(1st term) Aaron Norman, PE
State Director Ben Scholtz, PE
Past President Kurt Peppel, PE

Committees
Nominating Committee Lee Kaffar, BA
Mathcounts Krista May, PE
Scholarship Lance Mayer, PE
Events Coordinators
E-Week Erin Steever, PE
Free First Fridays Erin Steever, PE
Winter Social Gabe Laber, PE
Golf Outing Gabe Laber, PE
Awards Wes Philips, PE
Audio/Visual IT Chad Stensland, PE
Newsletter Abby Nelson, PE
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.

Webex Login Instructions
1. Navigate your internet browser to:
2. https://sdes-eastern.webex.com
3. Select the meeting date from the calendar in the “Browse Meetings” Window.
4. Click the “Register” link by the monthly meeting.
5. Fill in your first name, last name, email address and hit the “Register Now” button at the bottom.
6. A registration email will be sent with all the information to log into the meeting.

For any and all newsletter articles, additions, edits, corrections, and important dates contact:
Abby Nelson, PE
HDR
6300 S. Old Village Place, Suite 100
Sioux Falls, SD  57108-2102
605-977-7753
Abby.Nelson@hdrinc.com

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
To advertise in the Engineering Informer, please contact Abby Nelson at: Abby.Nelson@hdrinc.com, or 605-977-7753.

The cost for a standard business card-size advertisement for one year is $75. Thank you to all of you who continue to generously support the Eastern Chapter of SDES.
To advertise in the Engineering Informer, please contact Abby Nelson at: Abby.Nelson@hdrinc.com, or 605-977-7753.
The cost for a standard business card-size advertisement for one year is $75. Thank you to all of you who continue to generously support the Eastern Chapter of SDES.
Minnehaha County Highway Department
2124 East 60th Street North
Sioux Falls, SD 57104
(605) 367-4316
www.minnehahacounty.org

Transportation Excellence.

To advertise in the Engineering Informer, please contact Abby Nelson at: Abby.Nelson@hdrinc.com, or 605-977-7753.
The cost for a standard business card-size advertisement for one year is $75. Thank you to all of you who continue to generously support the Eastern Chapter of SDES.
Engineers Supporting the SDES Eastern Chapter:
Ken Allender, Shannon Ausen, Andy Berg, Nick Borns, Tallon Cazer, Dennis Clark, Mark Cotter, Jeff DesLauriers, Kerry Ellis, Rod Harms, Heath Hofliezer, Chad Huwe, Ryan Johnson, Dena Knutson, Brad Ludens, Jacob Maras, Troy Miller, John Osman, Kurt Peppel, Mark Perry, Josh Peterson, Wes Philips, Dustin Posten, Tim Stefanich, Joe Stonesifer, Curt Struck, Josh VandenBos, Shannon VerHey, Lance Weatherly, Raed Yousef

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