

MEMBERS OF THE

**NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS**

SDES EASTERN CHAPTER NEWSLETTER

PO BOX 1512 SIOUX FALLS, SD 57101 | WWW.SDES.ORG

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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 9 of this newsletter.

**IMPORTANT NEWS**

**NEXT MEETING:**  
Spetember 11th at  
11:30am at Pizza Ranch  
on 41st Street

**PRESIDENT'S COLUMN**

BY LANCE WEATHERLY, PE

I hope everyone and their families enjoyed the unofficial end of summer with the Labor Day weekend. The shorter days indicate two items I look forward to annually, hunting season and Eastern Chapter business meetings commencing to connect with colleagues. As we start the 2018 homestretch, I want to thank Jon Wiegand – Past President, Officers, Directors, Committee Chairpersons, and numerous volunteers who have and continue to make the Eastern Chapter a success. I would also like to recognize Gabe Laber for another successful golf outing as the main scholarship fundraiser, the golf event seems to get better every year.

Our first Chapter meeting from the summer hiatus is planned for Tuesday September 11, 2018 at the 41<sup>st</sup> Street Pizza Ranch. I encourage you to show up around 11:30am and socialize with your peers and connect with unfamiliar faces prior to the business meeting.

One item of discussion at the business meeting will be gathering member input on a proposal to continue with the 2012 investment in a scholarship endowment with Chapter funds. I am excited to announce the business meeting speaker is Nancy Hoines, SDES Executive Director. Nancy will be informing us on key initiatives at the State Society level such as upcoming legislative session, updated membership renewal process, proposed changes to SDES Bylaws and Constitution/Operating procedures, taking input on how SDES/NSPE can better serve the members and more. If you have not yet met Nancy to be exposed to her enthusiasm for SDES, I would encourage you to attend, tune in via WebEx or connect at the Fall PDH conference.

Note the updated SDES State Society contact information to ensure this is current at your organization, there is a delay from correspondence sent to the outdated mailing address.

Please take the time to read through the informative newsletter for other news and thank your SDES volunteers for their service.

*The goals of the Eastern Chapter of the South Dakota Engineering Society are:*

- To promote the licensed practice of engineering and to provide learning opportunities that enable licensed engineers to maintain practice competency;*
- To maintain high ethical standards for the practice of engineering and lead the profession in adhering to these principles:*
- To protect the public health, safety, and welfare; while being good stewards of the environment;*
- To incorporate engineering principles and perspectives in government decisions that protect the public; and*
- To consider community service a professional obligation.*

**TREASURER'S REPORT**

BY JOSH PETERSON, PE

<b>Previous General Fund Balance 04/30/2018:</b>		\$ 19,120.64
<b><u>Deposits:</u></b>		
Annual Conference Revenue	\$ 20,116.93	
Awards Banquet Revenue	\$ 200.00	
Newsletter Ad	\$ 75.00	
Interest Deposit	\$ 8.52	
<b>Total:</b>		\$ 20,400.45
<b><u>Expenses:</u></b>		
Annual Conference Expense	\$ (527.76)	
Post Office Box	\$ (120.00)	
Spring 2018 PE Exam Lunches	\$ (382.45)	
Webex	\$ (260.95)	
<b>Total:</b>		\$ (1,291.16)
<b>Total General Fund Balance:</b>		<b>\$ 38,229.93</b>
<b>Previous Scholarship Fund Balance 04/30/2018:</b>		\$ 6,980.15
<b><u>Deposits:</u></b>		
Golf Outing Revenue	\$ 9,215.00	
<b>Total:</b>		\$ 9,215.00
<b><u>Expenses:</u></b>		
Eastern Chapter High School Scholarship	\$ (6,000.00)	
Golf Outing Expense	\$ (4,714.38)	
<b>Total:</b>		\$ (10,714.38)
<b>Total Scholarship Fund Balance:</b>		<b>\$ 5,480.77</b>
<b>Total Account Balance 09/05/2018:</b>		<b>\$ 43,710.70</b>



**IMPORTANT CALENDAR EVENTS****Eastern Chapter Meetings:**

- Tuesday, September 11th at 11:30am at Pizza Ranch on 41st Street
- Tuesday, October 9th at 11:30am at Pizza Ranch on 41st Street

**SDES 2018 Fall PDH Conference**

Friday, October 12th  
Hilton Garden Inn  
Rapid City, SD



Please check the SDES website for constitutional updates to be posted in the near future!

## MESHING SUMMER CAMP WITH ENGINEERING AT THE WASHINGTON PAVILION, ERIN STEEVER, PE

Several SDES members volunteered their time to speak about engineering with day campers at the Washington Pavilion throughout the summer. These 4-day camps involved exploring the worlds of art, science and theatre through a hands-on approach to help students develop creativity, utilize their problem solving skills and think outside the box.

Brad Ludens, City of Sioux Falls, and myself kicked off the summer with a Roller Coaster Physics and Engineering Camp where a makeshift coaster was set up with a pool noodle. The kids calculate the velocity of a marble rolled down the noodle hill, modifying the height to see the effects on the marble's velocity. We also discussed the variety of engineering disciplines that go into designing a roller coaster while also touching on the basic physics that powers the most exciting rides.



Michele Neilson of Sioux Valley Energy and myself spoke to the Girls in STEM Camp, giving the young ladies an idea of how we became interested in engineering and what we do as engineers. These campers spent the week learning about historical female leaders in science and math and were excited to meet some of the women in these fields from the community.

Mid-summer brought a Disaster Engineering Camp in which Trent Bruce, DGR, and Weston Blasius, Banner Associates, volunteered their engineering experiences in the army. Weston then brought the discussion to hydraulics for insight into how engineers design for flooding. The Disaster Engineering campers made a visit to the interactive sand table in the Kirby Science Discovery Center which uses 3D cameras, sand, and projection mapping to provide an interface for exploring the dynamic sand surface. Campers played with hydraulics by moving sand piles around to see where simulated water would pool, visualizing how flooding occurs. This camp touched on natural phenomenon and other disasters of which the campers were solving problems using exciting engineering and scientific procedures.

Michele Neilson finished up the summer with a second batch of Roller Coaster Physics and Engineering campers.



I want to thank all the volunteers for their energy and expertise, their employers for allowing each of them to dash out of work for an hour mid-day for this engaging experience, and Lynne Jones at the Washington Pavilion for inviting us over for this summer engagement opportunity.



WASHINGTON  
PAVILION

## 2018 SDES GOLF OUTING SUMMARY

### GABE LABER, PE

The annual Eastern Chapter Golf Outing was held at the Brandon Municipal Golf Course on August 1<sup>st</sup>. This year we mixed it up by having the event on a Wednesday with a shotgun start. We had a record turnout with 68 golfers participating and 43 hole sponsors. I would like to thank all of the sponsors because the success of the golf outing is due to your continued support. I would also like to thank the volunteers who help put this event on. This event continues to be our Chapter's largest fundraiser for a great cause and would not be possible without the participation of many of our members. This year's volunteers who deserve special thanks are: Scott Hofer, Andy Berg, Paul Sanow, Jason Reaves, Ray Pierson, Beth Kassing and Nancy Hoines. The following are the results of the 2-person scramble. Congratulations to all the winners and I hope to see you next year!

– Gabe Laber, SDES Eastern Chapter Event Co-Coordinator

#### 2 Person Scramble

1 <sup>st</sup> Flight – 1 <sup>st</sup> Place:	Jared Haskins/Joe Munson
1 <sup>st</sup> Flight – 2 <sup>nd</sup> Place:	DJ Buthe/Ray Pierson
2 <sup>nd</sup> Flight – 1 <sup>st</sup> Place:	Matt Carlson/Nate Jibben
2 <sup>nd</sup> Flight – 2 <sup>nd</sup> Place:	Dawn Horner/Kari Drake

#### Raffle Prizes:

- Four Vikings Tickets and Meal (Hancock Concrete), Lodging Gift Cert. (Sayre) – Krista May
- Four Twins Tickets (ACIPCO), Meal Gift Cert. (ADS) – Trent Bruce
- 100 Gift Cert. (HD Supply Waterworks) – Kurt Peppel
- \$100 Gift Cert. (HR Green) – Lee Kaffar
- Yeti Cooler (Cemcast) – Riley Rinehart





Thank you to Nancy Hoines for taking photos!



## NEW MEMBER HIGHLIGHT



### Janet Merriman

South Dakota State University  
Solberg 202E, Box 2223  
Brookings SD 57007  
605-688-4018  
janet.merriman@sdstate.edu

#### College and Major:

United States Naval Academy, B.S. Ocean Engineering  
The Pennsylvania State University, M. Eng. Civil Engineering

#### Job Title and Years With Firm:

Instructor in the Construction Management Program at SDSU for 6 years.

**Family:** Husband, Michael, daughter, Heidi, and various hockey "sons" who we billet during the Blizzard hockey season.

**Hometown:** Lumberton, NJ. However, after college I left the east coast with no desire to return to the humidity, crowds, and traffic.

**Hobbies:** Hunting, hiking, camping, and being a hockey mom for our daughter and hockey "sons."

**Pets:** Two English Springer Spaniels

**Favorite Season:** All of them. That's why we moved to South Dakota!

**What made you want to be an engineer?** I struggled through the organic chemistry portion of freshman chemistry in college.

**Favorite place to visit and why?** Our National Parks. I enjoy taking in their beauty and learning why they are important to preserve.

I served in the U.S. Navy, Civil Engineer Corps for 20 years and retired as a Commander. While in the navy, I managed military construction projects, oversaw public works, and lead and taught in the SEABEES. Towards the end of my career, I realized that I wanted to teach, which brought my family and me to Brookings and SDSU.

In addition to teaching construction management, I am the faculty advisor to the SDSU chapter of Sigma Lambda Chi, the construction management honor society, and to the SDSU Hockey Club. I serve on the Brookings Historical Preservation Commission, and am on the board of directors for the Brookings Ice Skating Association (aka the Rangers.)

## 2018-2019 OFFICERS AND CHAIRPERSONS

### Officers

President	Lance Weatherly, PE
President Elect	Krista May, PE
Vice President	Ben Scholtz, PE
Secretary/Treasurer	Josh Peterson, PE
Chapter Director(2nd term)	Devin Clay, PE
Chapter Director(1st term)	Riley Rinehart, PE
State Director	Aaron Norman, PE
Past President	Jon Wiegand, PE

### Committees

Nominating Committee	Lee Kaffar, BA
Mathcounts	Krista May, PE
Scholarship	Lance Mayer, PE
Events Coordinators	
E-Week	Erin Steever, PE
Winter Social	Gabe Laber, PE
Golf Outing	Gabe Laber, PE
Awards Banquet	Jedidiah Reimnitz, EIT
Awards	Wes Philips, PE
Audio/Visual IT	Chad Stensland, PE
Newsletter	Abby Nelson, PE
Membership List	Myron Adam, PE

### 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:

Nancy Hoines  
 SDES Executive Director  
 PO Box 1076  
 Pierre, SD 57501

### 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.



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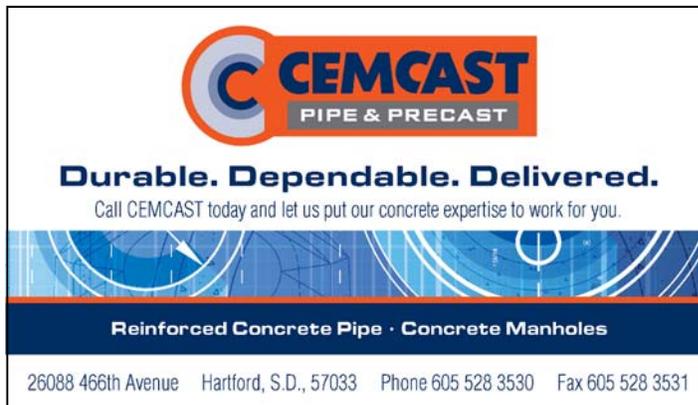
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