



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:

March 10th, 11:30 AM @ Pizza Ranch on 41st Street

- Dave Burwitz and Mike Gutenkauf from Clark Engineering will present on the Spring Creek Drainage Improvements project .

NEW MEMBERS:

- Luis Duque, SDSU Student
- Daniel Ostrem, USDA

PRESIDENT'S COLUMN

BY RYAN JOHNSON-PE

Hello Eastern Chapter Members,

The annual Awards Banquet held on February 28th at the Downtown Holiday Inn was a fantastic success. Erin Steever and Wes Philips organized the event which included a short presentation by Mayor Mike Huether, awards, and entertainment by Mike Bliss, a comedian/illusionist/juggler from Kansas City. It was a great time and our hope is to make next year's event even bigger and better!

Congratulations to engineers, projects, and scholarship winners. Thank you to members from ASCE who participated as well. If you are a professional engineer affiliated with other professional societies such as IEEE and ASME, consider working with them to attend this event as well. SDES/NSPE advocates for all engineering disciplines.

Many other events were held during the month of February as well. These events included:

- ♦ "Engineering with Leo" on February 6 at the Washington Pavilion's Kirby Science & Discovery Center.
- ♦ STEM Girls at George McGovern, Whittier, and Edison Middle Schools in Sioux Falls, SD
- ♦ Math Counts at Morningside Community Center.

Thanks to everyone who volunteered to work at these events.

Our next monthly meeting will be March 10th from 12:00 to 1:00 at the 41st

Street Pizza Ranch. Our presenters will be Dave Burwitz and Mike Gutenkauf from Clark Engineering who will present on the Spring Creek Drainage Improvements project. This project was a candidate for the People's Choice award and received many votes. As always, come early to socialize with your peers. (Please note, the meeting will not be held at Hancock Concrete as previously mentioned.)

Thank you to Shannon Ausen from the City of Sioux Falls for presenting the capital programs for both the City of Sioux Falls and SD DOT at our February monthly meeting. Also, thanks to Craig Smith from the SD DOT for the bonus presentation on the Governor's recommended transportation funding package.

The April monthly meeting will be April 14th from 12:00 to 1:00 at the 41st Street Pizza Ranch. Our presenter will be John Walters, PMP from Construction Support Services, who will present on the Critical Path Method for construction phase planning. This will be a presentation that you will not want to miss.

Please help me in welcoming new members Luis Duque who is a student at SDSU and Daniel Ostrem from Mitchell who works for the USDA.

Have a great spring and thank you!

Ryan Johnson

TREASURER'S REPORT

BY LANCE WEATHERLY, PE



IMPORTANT CALENDAR ITEMS

EASTERN CHAPTER MEETINGS:

- February 10, 11:30 @ Pizza Ranch on 41st Street
- March 10, 11:30 @ Hancock Concrete Products
- April 14, 11:30 @ Pizza Ranch on 41st Street

Eastern Chapter Hockey Outing

March 26, 2015, 7:05PM
Denny Sanford Premier Center

2015 Annual Conference

April 8, 2015
Ramkota Hotel, Pierre

	Balance as of	3/6/2015	
Previous General Fund Balance	2/5/2015		\$ 19,873.97
Expenses:			
Board Planning	\$	(86.40)	
Fall PDH Conf. deposit	\$	(500.00)	
Banquet expense - awards	\$	(235.32)	
Board Planning	\$	(77.93)	
Banquet Expense - overpayment reimbursement	\$	(25.00)	
WebEx (February)	\$	(51.94)	
Banquet Expense - Entertainment	\$	(736.00)	
speaker lunch - February	\$	(21.38)	
Total	\$	(1,733.97)	
Deposits:			
Interest (February)	\$	2.11	
Banquest Revenue	\$	1,250.00	
Total	\$	1,252.11	
Total General Fund			\$ 19,392.11
Previous Scholarship Fund Balance	2/5/2015		\$ 7,845.86
Expenses:			
Scholarship expenses	\$	(9.41)	
Total	\$	(9.41)	
Deposits:			
Total	\$	-	
Total Scholarship Fund			\$ 7,836.45
Total Account Balance			\$ 27,228.56



THURSDAY MARCH 26TH

@ 7:05 P.M.

SDES Hockey Outing

Come out and cheer on the Herd as they battle the Fargo Force in their new home at the Denny Sanford Premier Center. The Eastern Chapter will purchase the tickets for all members that attend. Families are encouraged to attend and ticket prices will be at a reduced group rate. Bring a new member and be eligible for a \$50 raffle prize to be shared between you and your guest. RSVP to glaber@stockwellengineers.com

To add a calendar item, please contact Josh Peterson at JPeterson@siouxfalls.org

EASTERN CHAPTER AWARDS AND SCHOLARSHIPS— LANCE WEATHERLY, PE

The Eastern Chapter of the South Dakota Engineering Society (SDES) held its annual awards banquet on Saturday, February 28, 2015 at the Downtown Holiday Inn – City Centre in Sioux Falls, SD. The Honorable Mayor Mike Huether provided the keynote speech to a group of 90 attendees representing a wide array of engineering disciplines. Chad Hanisch, P.E. with Infrastructure Design Group based in Sioux Falls, SD was awarded the Eastern Chapter Engineer of the Year. Michelle Carter, P.E. with HDR Engineering in Sioux Falls, SD was awarded the Eastern Chapter Young Engineer of the Year. The first Eastern Chapter project of the year award recipient was the Denny Sanford PREMIER Center represented by the City of Sioux Falls. The second Eastern Chapter Project of the Year award recipient was the Bel Brands Wastewater Pre-Treatment Facility designed by Banner Associates based in Brookings, SD. Chapter award winners will compete at the state level during the South Dakota Engineering Society's Annual Conference to be held April 9th and 10th in [Pierre](#).

The SDES Eastern Chapter is funding \$8,800 in Engineering scholarships in 2015, whose scholarship recipients were recognized at the Eastern Chapter banquet. Nicholas Zolnowsky from Parkston, SD, the recipient of a \$2000 Engineering scholarship, plans to attend South Dakota State University and major in Civil Engineering. Alex Spies from Watertown, SD, the receipt of a \$2000 Engineering scholarship, plans to attend South Dakota School of Mines & Technology and major in Mechanical Engineering. Jamison French from Brookings, SD, the recipient of a \$2000 Engineering scholarship, plans to attend South Dakota State University and major in Mechanical Engineering. James Hisek from Yankton, SD, the recipient of a \$1000 Engineering scholarship, currently attends South Dakota State University majoring in General Engineering. John Miller from Minnetonka, MN, the recipient of a \$1000 Engineering scholarship, currently attends South Dakota State University majoring in Operations Management and German. Emily Lawrenson from Beresford, SD, the recipient of a \$800 Engineering scholarship, plans to attend South Dakota State University and major in Civil Engineering.

The South Dakota Engineering Society is a state affiliate of the National Society of Professional Engineers. The Society's mission is to promote 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. All engineering professionals are encouraged to participate. More information can be found at the state's website: <http://sdes.org/>

DESIGN CHALLENGE—ERIN STEEVER, PE

Design Challenge is an annual Pavilion program that aims to motivate and inspire innovation in students in grade K-12 through a hands-on engineering challenge. We've just announced this year's Design Challenge, which will take place on Saturday, March 28. We are looking for volunteers to help with the various activities of this very exciting day!

There are a variety of opportunities to help:

- **Part I Judge:** Working in teams of two, Part I judges evaluate the "At Home" part of the challenge, where teams must build a working device that theoretically could make potable drinking water, and demonstrate their device on-site during Design Challenge. Devices will be judged using specific criteria, which Part I Judges will receive prior to March 28. No prior knowledge is required, but familiarity with camping/nature/basic science concepts would be helpful.
- **Part II Judge:** Working in teams of two, Part II judges evaluate the "On-Site" part of the challenge, where teams are given a series of wilderness survival situation cards and a crate of materials, and must complete the tasks on the situation cards within a certain timeframe. Task completion will be judged using specific criteria, which Part II Judges will receive prior to March 28. No prior knowledge is required, but familiarity with camping/nature/basic science concepts would be helpful.
- **Master of Ceremonies:** The Master of Ceremonies announces teams as they begin the on-site challenge, possibly doing interview with team members, offering a play-by-play commentary at times. Individuals with outgoing personalities are preferred.
- **Environmental Assistants:** The location of the on-site challenge will be a simulated prairie, where rocks, fake trees, "rivers" of water, etc. will be set up. Environmental Assistants reset the environment after each team completes the on-site challenge.
- **Registration/Information Table:** These individuals assist with team check-in, passing out schedules and team gift bags, answer questions about locations, etc.
- **Youth Area:** We plan to have a kids area with activities for younger siblings to participate in while others are competing. Parents would be required to remain in the same room as the activity area, but volunteers in the Youth Area need to be welcoming and engaging. Previous experience with young children is preferred.

Below is the link to the Volunteer Sign Up.

https://urldefense.proofpoint.com/v2/url?u=https-3A_docs.google.com_spreadsheets_d_1ZOpihP92W54qyxRJ6iEwfcWlpuk7G-2D2j9t1myxd2bSE_edit-3Fusp-3Dsharing&d=AwlF-g&c=IONHArOjSDrD7xnFRHVIR3e4819iOzc-JNGd6QSdb8k&r=ddplrEMAMQNivlLdqab-SdGnjAZhS81VOj8U2EapjJs&m=8kjX6hy91-zHzDRQH30m3Sfxj3oclzTxpnL82nfAf7Y&s=Xekq77t1cqmH8jd5mzymcD2afUIY4SvAfNh1Kp8z7nU&e

Please feel free to contact Lynne Jones with any questions.

Lynne N. Jones
Science Education Program Coordinator
605 | 731 | 2374

ljones@washingtonpavilion.org

EASTERN CHAPTER BANQUET PICTURES





South Dakota
State University

Jerome J. Lohr College of Engineering

Office of the Dean

Crothers Engineering Hall 201, Box 2219
South Dakota State University
Brookings, SD 57007-0096
Phone: 605-688-4161
Fax: 605-688-5878

February 18, 2015

Patrick Schwebach, PE
Eastern Chapter South Dakota Engineering Society
P.O. Box 1512
Sioux Falls, SD 57101

Dear Mr. Schwebach:

Thank you for your generous contribution of \$2,000 for the Eastern Chapter South Dakota Engineering Scholarship Fund in the Jerome J. Lohr College of Engineering given in December. Scholarships are a tremendous way to help us recruit and retain the very best students, and they are only made possible by the generosity of donors like you.

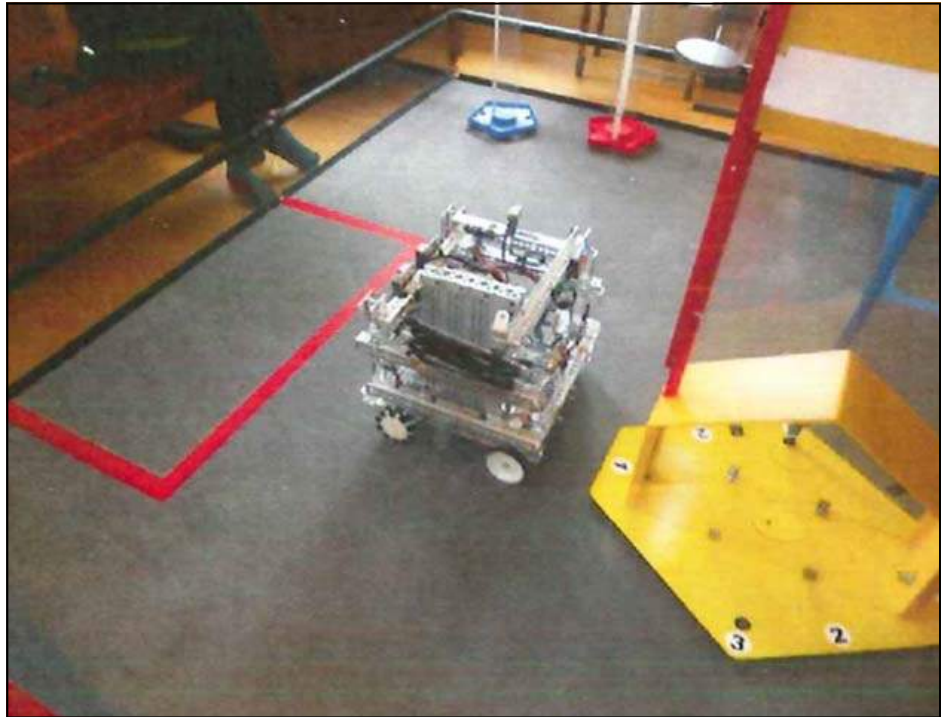
Thank you for your support of our engineering students at South Dakota State University.

Sincerely,

Lewis F. Brown, Ph.D.
Dean of Engineering

LFB:lr

THANKS



Dear Erin,

Thanks so much for your donation of \$1,000! We have used the funds for parts of our robot and traveling to competitions. I have enclosed a picture of Legoleess. We can't express enough how grateful we are for your help. We hope to continue and strengthen our relationship with your organization in the future! Thanks Again!

Leo Mullen
FTC 7123

The Fellowship of the Loose Screws

We are on the web

<http://www.sdes.org/>

2014-2015 OFFICERS AND CHAIRPERSONS

Officers

President	Ryan Johnson, PE
President Elect	Ray Pierson, PE
Vice President	Kurt Peppel, PE
Secretary/Treasurer	Lance Weatherly, PE
Chapter Director(2nd term)	Travis Clark, PE
Chapter Director(1st term)	Joshua VandenBos, EIT
State Director	Kristen Gundvaldson, PE
Past President	Phil Gundvaldson, PE

Committees

Nominating Committee	Paul Korn, PE
Mathcounts	Phil Gundvaldson, PE
Scholarship	Lance Mayer, PE
Events Coordinators	
eWeek	Erin Steever, PE
STEMS Girls	Erin Steever, PE
Free First Fridays	Erin Steever, PE
Winter Social	Gabe Laber, PE
Golf Outing	Gabe Laber, PE
Awards	Brad Ludens, PE
Audio/Visual IT	Chad Stensland, PE
Newsletter	Joshua Peterson, PE
Membership List	Myron Adam, PE

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

CONTACT:

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PO BOX 7402
SIOUX FALLS, SD 57117-7402
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jpeterson@siouxfalls.org

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 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

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.

PDH Documentation

Sign-in sheets for Eastern Chapter meetings are posted on the SDES website for members to use for PDH documentation. Go to www.sdes.org to



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The cost is \$75 for a standard business card-size advertisement.

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