

The Engineering Informer

January 3, 2023

MEMBERS OF THE
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS
SDES EASTERN CHAPTER NEWSLETTER
PO BOX 1512 SIOUX FALLS, SD 57101 | WWW.SDES.ORG

NSPE-SD EASTERN CHAPTER
SOUTH DAKOTA
ENGINEERING SOCIETY

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WEBEX: In addition to our monthly in-person presentation, the meetings will also be broadcast on WebEx. See pages 4 and 14 of this newsletter for the WebEx log-in information.

WELCOME TO OUR NEW MEMBERS:

Mathew Martin
Astrid Potter
Becca Kollars
Bayden Johnson
Adam Hutchings

PRESIDENT'S COLUMN

BY JOSHUA PETERSON, PE

Happy New Year! I wrote my December message right after I cleared the first snowfall of the season off my driveway. I'm writing this one right after I blew snow for the 5th time? 6th time? It's been often enough, I've lost count. I hope everybody is being safe, driving slowly, and shoveling snow with their legs and not their back.

We had a great winter social last month at Remedy Brewing. Thanks to Kent Ode for putting on a fantastic event. We had a great turnout and it seemed like everybody had a fun time.

If you know of any budding engineers out there, there's still time to apply for the Eastern Chapter scholarship. Applications are due by January 14th. The application form can be found on the SDES website.

Nominations for Young Engineer of the Year, Engineer of the Year, and Outstanding Engineering Achievement are due in January. Winners will be recognized at our awards banquet in February. If you have someone you'd like to nominate, please reach out to Wes Phillips at wphilips@siouxfalls.org or 605-367-8657.

The annual conference is going to be held in Pierre this year. They have reached out looking for speakers. If you have a great topic you would love to share, please reach out to Nancy (sdengineeringsociety@gmail.com) to let her know you'd be interested in presenting.

We have a couple of volunteer opportunities for you coming up. MATHCOUNTS is coming up on February 23rd and is a great opportunity to meet future engineers. If you are interested in helping, please reach out to Krista May at 605-929-0267 or kristam@infrastructureedg.com.

We are also looking for volunteers for E-Week events. Throughout the month of February, SDES and ASCE will be teaming with the Siouxland Libraries for a more traditional STEM outreach event. If you have an engineering mini-golf hole from last year or are considering building one for 2023, we've also been working on a summer mini-golf event to celebrate Infrastructure Week in May. Please talk with Erin Steever (erin.steever@bartwest.com or 605-373-5915) for more information.

Our next Eastern Chapter meeting is on January 10th at the 41st Street Pizza Ranch. Jerry Jongeling with City of Sioux Falls Light & Power will be discussing their 10 year long range plan. Hope to see everyone there.

TREASURER'S REPORT

BY SCOTT LAVOY, PE

Previous General Fund Balance 11/30/2022 \$ 22,015.57

Deposits:

None

Total Deposits: \$ -

Expenses:

Winter Social Expenses \$ (288.82)

Awards Banquet Venue Expenses \$ (2,590.00)

Total Expenses: \$ (2,878.82)

Total General Fund Balance: \$ **19,136.75**

Previous Scholarship Fund Balance 11/30/2022 \$ 893.54

Deposits:

None

Total Deposits: \$ -

Expenses:

None

Total Expenses: \$ -

Total Scholarship Fund Balance: \$ **893.54**

Total Account Balance 12/28/2022 \$ **20,030.29**



UPCOMING EVENTS

- Eastern Chapter January Monthly Meeting IN PERSON Tuesday, January 10th at Pizza Ranch (41st Street Location)
 - Lunch at 11:30; Meeting starts at noon
- Engineering Award Nominations due: January 27th, 2023
- February Monthly Meeting: February 14th, 2023
- E-Week 2023 Outreach Event-2nd Annual Mini-Golf Challenge-February 18th, 2023
- MATHCOUNTS, February 23rd, 2023 in Sioux Falls
- Eastern Chapter Annual Awards Banquet-February 25th, 2023 at GreatShots
- SDS Annual Conference, April 4-6, 2023 in Pierre

January 2023

Su Mo Tue We Th Fri Sat

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
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| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

February 2023

Su Mo Tu We Th Fri Sat

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| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | | | | |

MONTHLY MEETING

Please join us **in-person** for the monthly Eastern Chapter SDES Meeting at the Pizza Ranch Meeting Room on 41st Street.

Tuesday, January 10th, 2023

Lunch starts at 11:30 am and the meeting begins at Noon

Jerry Jongeling with City of Sioux Falls Light & Power

We look forward to seeing you in person, but if you'd like to join us virtually via WebEx, please see the information below.

We have set up a recurring meeting for the rest of the year, so the meeting information will stay the same until the end of the year (May 2023). Members can also find the link if they log into the website and click on Membership Meeting Information under the Members Only item in the left hand menu.

<https://sdes.webex.com/sdes/j.php?MTID=mfa42a8810629c079a645361e2525d136>

Meeting number: 2464 774 4807

Password: ERt323BNuYv

Join by video system

Dial 24647744807@sdes.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

1-650-479-3208 Call-in toll number (US/Canada)

Access code: 246 477 44807



SDES EASTERN CHAPTER: CALL FOR SCHOLARSHIP APPLICANTS

Eastern Chapter Scholarships

High School Seniors

The Eastern Chapter will award \$2000 Engineering Scholarships in 2023. Applicants should be high school seniors and must be planning on attending an engineering program at either South Dakota School of Mines and Technology or South Dakota State University. Applicants must have attended a high school in the [Eastern Chapter area](#). The Eastern Chapter's Scholarship Committee chooses the recipients. The application form may be obtained through the following link <https://sdes.wildapricot.org/page-1279270> Applications must be mailed and postmarked by January 14, 2023 to be considered. The scholarship recipient is presented with an award at the Chapter's annual Engineering Banquet usually held in mid-February.



SDES EASTERN CHAPTER: CALL FOR SCHOLARSHIP APPLICANTS



EASTERN CHAPTER OF THE
SOUTH DAKOTA ENGINEERING
SOCIETY (SDES)
AND THE
NATIONAL SOCIETY OF
PROFESSIONAL ENGINEERS
(NSPE)

**\$2,000
ENGINEERING SCHOLARSHIPS!!**

ARE YOU A HIGH SCHOOL SENIOR INTERESTED IN
PURSUING A CAREER IN ENGINEERING?

IF YOU ARE:

- A 2023 GRADUATING HIGH SCHOOL SENIOR AND ENROLLING IN A SOUTH DAKOTA ENGINEERING PROGRAM IN THE FALL OF 2023 AT THE SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY OR SOUTH DAKOTA STATE UNIVERSITY.

AND YOU HAVE:

- SHOWN THE ABILITY TO HANDLE RESPONSIBILITY
- HAVE LEADERSHIP SKILLS
- EARN HIGH GRADES & ATTAINED HIGH ACT SCORES

YOU QUALIFY!

THESE SCHOLARSHIPS ARE OFFERED BY THE EASTERN CHAPTER
OF THE

SOUTH DAKOTA ENGINEERING SOCIETY (SDES) www.SDES.org

A STATE SOCIETY OF THE

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS (NSPE)

www.NSPE.org

APPLICATION DEADLINE IS JANUARY 14, 2023

CONTACT YOUR HIGH SCHOOL GUIDANCE COUNSELOR OR
VISIT www.SDES.org FOR AN APPLICATION AND INFORMATION.

ENGINEERING AWARDS—SDES EASTERN CHAPTER WES PHILIPS, PE

As you complete as-builts and pay applications for the year, please take some time to reflect on your accomplishments and those of your peers. **Nominate a worthy engineer or project for one of our annual awards:**

- Outstanding Engineering Achievement (Project)
- Engineer of the Year
- Young Engineer of the Year

We have many engineers and projects in the Eastern Chapter that deserve recognition for a job well done. **Nominations are due January 27th, 2023.** Nomination forms were emailed to the membership group and are available at the following link <http://sdes.wildapricot.org/page-1564527> Contact Wes Philips at wphilips@siouxfalls.org or 605-367-8657 with questions.

Award Descriptions

Engineer of the Year

This award recognizes an Eastern Chapter member who has made outstanding contributions to the engineering profession, the public welfare, and/or humankind. The award nominees are judged on education, continuing competence, professional and technical society activities, awards and honors, civic and humanitarian activities, engineering achievements, professional experience, national organizational offices held, activities of unique quality, and any special advisory assignments.

Young Engineer of the Year

This award recognizes a member of the Eastern Chapter who has made outstanding contributions to the engineering profession and their community during the early years of their career. Nominees must be 34 years of age or younger on January 1 of the nominating year to be eligible. The award nominees are judged on education and collegiate achievements, professional society activities, technical society activities, civic and humanitarian activities, continuing competence, and engineering achievement.

Project of the Year (Outstanding Engineering Achievement)

This award acknowledges the accomplishments of the engineering profession. Each year the Eastern Chapter recognizes engineering achievements that have captured the innovative and dynamic spirit of a profession dedicated to public service. The award nominees are judged on application of engineering principles, originality and innovation, complexity, social significance, and economic impact.

ENGINEERING AWARDS—SDES EASTERN CHAPTER PAST AWARD WINNERS

| Engineer of the Year | Young Engineer of the Year | Outstanding Engineering Achievement |
|--|--|--|
| <p><u>Eastern Chapter</u> 2021: Trent Bruce 2020: Phil Gundvaldson* 2019: Aaron Hartwell 2018: Lance Weatherly* 2017: Wes Philips 2016: Monty Miller / Joshua Peterson 2015: Jason Kjenstad* 2014: Chad Hanisch* 2013: Allen Rude 2012: Orlin Jibben 2011: Jeff Christensen 2010: Bruce Card <u>SE/NE Chapter</u> 2009: Chad Huwe (SE) 2008: James Unruh (SE) 2007: Rich Schwanke* (SE) 2006: Mark Wiederich (SE) 2005: Steve Hoff (SE) 2004: Jon Heck* (SE) 2003: Dennis Wipf / Geoff Heig 2002: Jeff DesLauriers / Seth Hanson 2001: Doug Hoy / Chuck Tiltrum 2000: Kim Heck / Dennis Micko* 1999: Duane Sanders* (NE) 1998: Fred Ritterhaus* (NE) 1997: Fran Brink* (NE) 1996: John Little (NE) 1995: Joe Gillen / Dwayne Rollag 1994: Steve Quincy / Paul Koepsell* 1993: Tom Berkland (SE) 1992: Ralph Lindner (SE) 1991: Duane Genzlinger / Jim Dornbush* 1990: Jon Smith (SE) 1989: Beth Tellekson (SE) 1988: Dale Jans (SE) 1987: Len Neugebauer (SE) 1986: Rex Stockwell* / Ernest Buckley 1985: Tade Gerischer / Junis Storry 1984: Tom Molohan / Al Kurtenbach* 1983: Wilfred Schroeder (SE) 1982: Art DeWitt (SE) 1981: Marvin Heck / Emory Johnson* 1980: Merle Jansen (SE) 1979: Ray Jorgensen (SE) 1978: John Peasley (SE)</p> | <p><u>Eastern Chapter</u> 2021: Kent Ode 2020: Jesse Morris 2019: Joseph Stonesifer 2018: Krista May* 2017: Jedidiah Reimnitz* 2016: Scott LaVoy 2015: Travis Clark* 2014: Michelle Carter* 2013: Wes Philips* 2012: Adam Norman* 2011: Brett Runge* 2010: Brad Ludens* <u>SE/NE Chapter</u> 2009: TJ Yerdon (SE) 2008: Phil Gundvaldson* (SE) 2007: Jason Reaves (SE) 2006: Jason Kjenstad* (SE) 2005: Myron Adam (SE) 2004: Chad Hanisch* (SE) 2003: Shannon VerHey / Michelle Burke* 2002: Mark Cotter* / Doug Wessel 2001: Brent Anderson / Matthew Asche 2000: Jason Klemme / Sam Muntean 1999: Jackie Lanning* (NE) 1998: Steve Hoff / Rick Schlechter* 1997: Beth Kassing (SE) 1996: Doug Jackson / Jay Koch 1995: Kim Heck / Seth Hanson* 1994: Don Weigel (NE) 1993: Jeff Christensen* (SE) 1992: Doug Hoy (SE) 1991: Jon Heck (SE) 1990: Jeff Miller (SE) 1989: Bruce Card (SE) 1988: Ralph Lindner (SE) 1987: Tom Kelly (SE) 1986: Ron Hemmer / Geoff Heig* 1985: Dale Jans / Rick Solonen 1984: Dan Eisenbraun / Daryl Englund* 1983: Dennis Wipf (SE) 1982: Rex Stockwell* / Dave Odens 1981: Dan Norman (SE) 1980: No Award 1979: Mike Bailey (SE) 1978: No Award</p> | <p><u>Eastern Chapter</u> 2021: 8th Street Bridge and Greenway Improvements, Infrastructure Design Group and Main Pump Station, HR Green 2020: Brandon Core Area Reconstruction Phase 1, HDR and I-229/26th Street/Southeastern Avenue/Rotary Park*, HDR 2019: Yankton Collector Well and Water Treatment Plant Expansion, HDR and Arc of Dreams*, Albertson Engineering, Inc. 2018: Dell Rapids Wastewater Treatment Facility Improvements, DGR Engineering and Big Sioux River Flood Information System*, RESPEC 2017: Louise Avenue Reconstruction, HDR 2016: North Rapid Booster Pump Station Project, Bartlett & West and 12th Street Bridge Replacement Project*, HDR 2015: SD Ellsworth Development Authority Regional Wastewater Treatment Facility*, SEH and Link Snacks Inc. Wastewater Pretreatment Facility, Banner Assoc, Inc. 2014: Denny Sanford PREMIER Center*, City of Sioux Falls and Bel Brands Wastewater Pre-Treatment Facility, Banner Assoc, Inc. 2013: Baltic Bridge Replacement*, HDR and I-90/Cliff Avenue Interchange, McLaury Engineering 2012: Sioux Falls Water Reclamation Facility Effluent Filter Improvements*, HR Green and River Greenway Improvements Phase 1, Goldsmith Heck 2011: Big Sioux River Skunk Creek Flood Control Project Phase 2C*, USACE and Sioux Falls Central Main, HDR 2010: 41st Street Bridge Reconstruction* HDR, Sioux Falls</p> <p>* indicates state award winner</p> |



MATHCOUNTS

MATHCOUNTS®

Save the Date

When: Thursday, February 23, 2023 at 1:00pm – 6:00pm

Where: Southeast Technical Institute, Sullivan
Health/Science Center, Room HC 257

Who: Middle Schoolers from SE South Dakota

Volunteers are 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 January's and February's lunch meetings.

Contact Krista May at
kristam@infrastructuredg.com or 605.929.0267
with questions.

E-WEEK OUTREACH ERIN STEEVER, PE

E-Week - Are You Ready for a New Kind of Outreach?

Throughout the month of February, SDES and ASCE will be teaming with the Siouxland Libraries for a more traditional STEM outreach event (think bridge building and diverging diamonds!). We have several dates already penciled in at three of the branch locations.

- **Tuesday, February 7th (3-4pm) at the Oak View Branch**
- **Tuesday, February 14th (3-4pm) at the Ronning Branch**
- **Friday, February 17th (2-3pm) at the Crooks Branch**
- **Saturday, February 18th (10-11am) at the Prairie West Branch**
- **Saturday, February 25th (9:30-10:30am) at the Downtown Branch *Note: this is the morning of our Awards Banquet**
- **Tuesday, February 27th (4-5pm) at the Callie Branch**

Potential sites also being coordinated – Brandon, Brookings and Rapid City

Golfers: If you have an engineering mini-golf hole from last year or you have started thinking about or maybe even constructing a new mini-golf hole for 2023, no fear, we've also been working on a summer mini-golf event to celebrate Infrastructure Week in May. The Siouxland Libraries are also interested in teaming with SDES for this event.

As always, we will need volunteers to make our E-Week event possible. A coordination meeting will take place Tuesday, January 17 at noon (Buffalo Wild Wings – Dawley Farms) in addition to the events listed above. Check your calendar and RSVP to erin.steever@bartwest.com for the coordination meeting and/or the STEM events. All events subject to volunteer fulfillment of 2 volunteers minimum per event. Let's have fun and introduce the kids in our neighborhoods to engineering!



E-WEEK OUTREACH

ERIN STEEVER, PE



Rainy Day Mum

EASTERN CHAPTER AWARDS BANQUET AND SDES ANNUAL CONFERENCE

SAVE THE DATE!

Eastern Chapter Engineering Awards Banquet

When: February 25th, 2023

Where: GreatShots

More details to come...



SAVE THE DATE: SDES Annual Conference

The SDES Annual Conference will be hosted by the SDES Central Chapter in Pierre on April 4-6, 2023. The Conference Planning Committee is looking for great speakers on a wide array of engineering topics. Please reach out to Nancy at the SDES Office (sdengineeringsociety@gmail.com) if you are interested in presenting or have a recommendation for a speaker or topic.

Join your colleagues for some great PDH opportunities and social interaction.

More information regarding registration, sponsorship and vendor opportunities, speaker line-up, and tour to come!

2022-2023 OFFICERS AND CHAIRPERSONS

Officers

| | |
|----------------------------|------------------------|
| President | Josh Peterson, PE |
| President Elect | Devin Clay, PE |
| Vice President | Riley Rinehart, PE |
| Secretary/Treasurer | Scott LaVoy, PE |
| Chapter Director(1st term) | Elizabeth Sobania, EIT |
| Chapter Director(2nd term) | Kent Ode, PE |
| State Director | Abby Nelson, PE |
| Past President | Gabe Laber, PE |

Committees

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

Eastern Chapter of SDES Goals

- 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.*

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

SDES January Monthly Meeting

Meeting available on Webex on Tuesday, January 10th at Noon (CST)

Meeting number (access code):

2464 774 4807

Meeting password:

ERt323BNuYv

Join from the meeting link:

[Click Here](#)

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

Vani Jain, Water/Wastewater Coordinator
HDR
101 S. Phillips Avenue, Suite 401
Sioux Falls, SD 57104
605-782-8140
Vani.Jain@hdrinc.com

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

Nancy Hoines
SDES Executive Director
PO Box 1076
Pierre, SD 57501
605-951-1004
sdengineeringsociety@gmail.com

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