

The Engineering Informer

April 11, 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

INSIDE THIS ISSUE

PRESIDENT'S COLUMN	1
TREASURER'S REPORT	2
UPCOMING EVENTS	3
MONTHLY MEETING	4
SDES ANNUAL CONFERENCE SCHEDULE	5-7
MATHCOUNTS RECAP	8-9
SDES FALL CONFERENCE IDEAS	10
WEBEX LOGIN	11
ADVERTISEMENT	12

WebEx: In addition to our monthly in-person presentation, the meetings will also be broadcast on WebEx. See pages 4 and 11 of this newsletter for the WebEx log-in information.

WebEx Information will now remain the same from November to May.

WELCOME TO OUR NEW MEMBER:

Joseph Schroeder

PRESIDENT'S COLUMN

BY JOSHUA PETERSON, PE

Spring keeps teasing us with pleasant weather and then hitting us with another winter storm. Unfortunately, this last storm event caused problems for the SDES Annual Conference in Pierre. Fortunately, we have a great Planning Committee in the Central Chapter that was ready to roll with the punches.

The 62nd Annual Conference has been rescheduled for May 1st through May 3rd. The schedule will be as usual with the Board meeting from 2-5pm on Monday, May 1st, Hospitality Room that evening, and the full conference kicking off at 8 am on Tuesday, May 2nd, running through noon on Wednesday, May 3rd.

The Committee recognizes this will not work for everyone, but they balanced several factors, and this schedule worked the best. Folks will have the following options:

- If already registered and still planning to attend in May: No action needed.
- If not registered previously and wanting to attend in May: Early registration will be open through April 14th.
- If previously registered and unable to attend in May: Registrants need to notify SDES of cancellation by April 14th to receive a refund.

Take a look at the article in the newsletter for further information on the annual conference.

Thanks to Matt Pajl with HR Green for speaking last month on the Collector Well #72 project in Sioux Falls. Our next meeting is on April 11 at the 41st Street Pizza Ranch. Mitch Mergen and Ross Kutchna with Stockwell Engineers will be presenting on the Cliff Avenue Reconstruction project in Sioux Falls.

Have a great day!



TREASURER'S REPORT

BY SCOTT LAVOY, PE

Previous General Fund Balance 3/8/2023 \$ 16,129.21

Deposits:

None

Total Deposits:

 \$ -

Expenses:

Awards Banquet Food and Room Rental \$ (256.60)

E-Week Event Expenses

 \$ (162.74)

Total Expenses: \$ (419.34)

Total General Fund Balance:

 \$ 15,709.87

Previous Scholarship Fund Balance 3/8/2023 \$ 777.00

Deposits:

None

Total Deposits:

 \$ -

Expenses:

None

Total Expenses:

 \$ -

Total Scholarship Fund Balance:

 \$ 777.00

Total Account Balance 3/31/2023

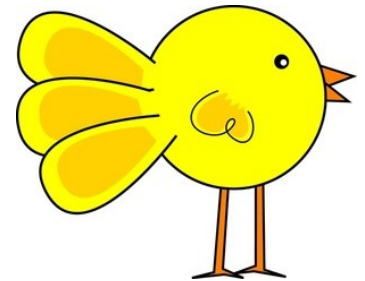
 \$ 16,486.87

UPCOMING EVENTS

- **Tuesday, April 11, 2023: April Monthly Meeting at Pizza Ranch — Mitch Mergen and Ross Kutchta with Stockwell Engineers will be presenting on the Cliff Avenue Reconstruction project in Sioux Falls.**
- **May 1-3, 2023: SDES 62nd Annual Conference (Rescheduled), Ramkota Hotel and Conference Center, Pierre, SD.**

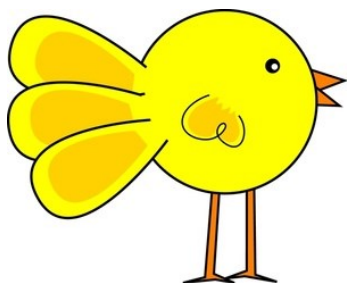
April 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						



May 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



MONTHLY MEETING

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

Tuesday, April 11th

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

Mitch Mergen and Ross Kutchta with Stockwell Engineers will be presenting on the Cliff Avenue Reconstruction project in Sioux Falls.

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 in to 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](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](tel: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 ANNUAL CONFERENCE (RESCHEDULED)

BY THE SDES CENTRAL CHAPTER PLANNING COMMITTEE

Thank you for your patience as we worked to find a new date for the SDES 62nd Annual Conference! No one likes to have to postpone a conference, but we are sure glad we did! Over 11 inches of snow and wind meant that all roads into Pierre were either closed or no travel advised, so we are very happy none of you were trying to get to Pierre for our original dates in April.

We quickly looked into the conference venue, our speakers' schedules, and all things related to the conference and have **rescheduled the conference for May 1st - 3rd, 2023**. We are currently working with our speakers to update the schedule, but you can find out all about the conference agenda, sessions, and networking opportunities here [South Dakota Engineering Society - 2023 SDES 62nd Annual Conference](#) Keep your eye on the website for an updated speaker schedule. We hope you can join us!

SDES 62ND ANNUAL CONFERENCE SCHEDULE

Ramkota Hotel and Conference Center, Pierre, SD

(Subject to change as we coordinate with speakers.)

Monday, May 1st, 2023

2:00p - 5:00p **SDES Board Meeting** – Lake Sharpe
 5:00p - 6:00p **Registration** – Lake Oahe Lobby
 5:30p - 10:00p **Hospitality Room** – Ramkota Hotel Courtyard
 Sponsor: Dakota Concrete Pipe Association

Tuesday, May 2nd, 2023

7:00a – 5:00p **Registration** – Lake Oahe Lobby
 7:15a – 8:00a **Breakfast** – Gallery B & C
 8:00a – 8:15a **Welcome** – Mayor Steve Harding
Engineering South Dakota – Governor Noem/Lt. Governor Rhoden (Invited)
 8:15a – 8:45a **General Session G1 – 0.5 PDH** – Gallery B & C
 TBD
 8:45a – 9:15a **General Session G2 – 0.5 PDH**
 Robin Bobzien, City of Aberdeen – Gallery B &
 "Sanitary Sewer and Pipe Collapse Projects"
 9:20a – 9:50a **Concurrent Sessions C1 – 0.5 PDH**
A Britt Smith, PE, F.NSPE
 "Diversity, Equity, and Inclusion"
B Erin Steever, PE, Bartlett & West, and Mark Mayer, SD Department of
 Agriculture and Natural Resources
 "Statewide Lead Service Line Inventory"
 9:50a – 10:20a **Break & Vendor Exhibits** – Lake Oahe Lobby
 10:20a – 11:50 **Concurrent Sessions C2 – 1.5 PDH**
A Joshua Willhite, PE, PMP, Long-Baseline Neutrino Facility & Allan
 Stratman, Sanford Underground Research Facility (Invited)
 "Designing a 5,000' Shaft, Managing Plumbing a Mile Underground,
 and More!"

(Continued on next page)

Registration, Sponsorship and Exhibitor opportunities are available online at [SDES.org](https://www.sdes.org)

SDES ANNUAL CONFERENCE (RESCHEDULED)

(CONTINUED)

10:20a – 11:50	Concurrent Sessions C2 – 1.5 PDH (continued) B 10:20a – 10:50a – 0.5 PDH Bob Nicol, Public Works Sales Holdings, LLC <i>“Control of Water Hammer & Water Column Separation”</i> 10:50a – 11:20a – 0.5 PDH Jeff Simkins, Valmont Structures <i>“Michigan’s 19 Bridge Bundling Project”</i> 11:20a – 11:50 – 0.5 PDH Matt Gregg, Wheeler <i>“Pressure Treated Wood Structures”</i>
Noon – 1:30p	Awards Luncheon – Gallery B & C Inspiring Leaders – Britt Smith, PE, F.NSPE, National Society of Professional Engineers, President 2022-23 New Officer Installation – Britt Smith, PE, F.NSPE Awards Celebration – Brad Ludens, PE, SDES Awards Chair
1:35p – 2:30p	General Session G3 – 1.0 PDH Gallery B & C Ashley Podhradsky, DSc, Dakota State University <i>“What Engineers Need to Know About Cybersecurity to Protect Their Work, Businesses, and Clients”</i>
2:30p – 2:45p 2:45p – 4:15p	Break & Vendor Exhibits – Lake Oahe Lobby Tours T1 – 1.0 PDH <ul style="list-style-type: none"> • Gidget Palmer, City of Pierre <i>Pierre Drinking Water Facility</i> • Dean VanDeWiele, SD Department of Transportation <i>Virtual Tour: Fort Pierre – Pierre Missouri River Bridge</i>
3:15p – 4:10p	Concurrent Session C3 – 1.0 PDH Lacy Pomarleau and Anne Winckel, RESPEC <i>“So You Wanna Win?: Business Development Strategies to Improve Win Rates”</i>
4:15p – 4:45p	Concurrent Sessions C4 – 0.5 PDH A Brian Jenner, Rinker Materials <i>“Precast Box Culverts – Not Just Cast-in-Place Anymore!”</i> B James Unruh, HDR <i>“1-29/41st Street Diverging Diamond Interchange”</i>
4:45p – 5:30p 5:30p – 7:30p	SDES Annual Membership Meeting – Amphitheater II Social – Lake Oahe Lobby

Wednesday, May 3rd, 2023**7:15a - 7:55a** **Breakfast**

8:00a – 8:55a	General Session G4 – 1.0 PDH Tim Cowman, SD Department of Agriculture and Natural Resources <i>“Impacts of Sedimentation in the Lewis & Clark Lake Delta”</i>
9:00a – 9:55a	General Session G5 – 1.0 PDH TBD
10:00a – 10:15a	Break & Vendor Exhibits – Lake Oahe Lobby

(Continued on next page)

SDES ANNUAL CONFERENCE (RESCHEDULED)

(CONTINUED)

10:15a – 10:45a**Concurrent Sessions C5 – 0.5 PDH****A** Andy Lamy, SD Department of Transportation
*"2D Hydraulic Modeling"***B** Clint Freeman, SD Department of Transportation, and Collin Kubinski,
Utility Mapping Services
*"The Historical Streets of Huron: Steam Tunnels, Speak Easies, Utilities,
and Geophysical Equipment"***10:45a – 11:15a****Concurrent Sessions C6 – 0.5 PDH****A** Kirk Fredrichs, Federal Highway Administration SD Division
*"Federal Highway Discretionary Grants"***B** Bryan Lipp, Banner
*"Water Investment in Northern South Dakota (WINS)"***11:15a – 11:45p****General Session G6 – .05 PDH**Paul Sanow, HDR, and Nick Borns, City of Sioux Falls
*"Minnesota Avenue Reconstruction"***11:45a – 12:15p****General Session G7 – 0.5 PDH**Dustin Witt, SD Department of Transportation
*"Safe Systems and the Current Research Project to Initialize a Zero Fatality
Initiative"***12:15p – 12:20p** Closing Remarks**12:30p – 1:30p** Past SDES Presidents' Luncheon*Hope to see you at the Spring Conference!*

MATHCOUNTS

JESSE MORRIS, PE

MATHCOUNTS®

Contact: Jesse Morris, PE (605) 391-6449

Students Win South Dakota State Math Competition

Pierre, SD – March 26, 2023 — a team of middle school Mathletes® from George S. Mickelson Middle School in Brookings took top honors in the South Dakota State MATHCOUNTS® Competition held on March 25, 2023. The top individual was William Jin, an 8th grader from George S. Mickelson Middle School.

Members of the winning team were: William Jin (8th grade), Shaurya Sehgal (8th grade), Catie Michna (7th grade) and Kerrick Zhang (7th grade), coached by Shannon Renkly.

The top four individuals from the State Competition will represent South Dakota at the 2023 Raytheon MATHCOUNTS National Competition in Orlando, FL, May 13-16. The four team members are William Jin of George S. Mickelson Middle School in Brookings, Shaurya Sehgal of George S. Mickelson Middle School in Brookings, Seth Chaplin of Fellowship of Learners at Schools at Home (FLASH) in Sioux Falls, and Noah Lueking of Georgia Morse Middle School in Pierre, led by coach Shannon Renkly of George S. Mickelson Middle School in Brookings.

More than 100,000 students across the U.S. participate each year in the MATHCOUNTS Competition Series, a national math competition that aims to build confidence and problem-solving skills for students who participate. Programs like MATHCOUNTS are critical to preparing students to succeed in science, technology, engineering, or mathematics (STEM) careers of the future.

The state program is sponsored by the South Dakota Engineering Society and 3M – Gives, Aberdeen. Leadership at the local levels of the MATHCOUNTS Competition Series is provided by members of the South Dakota Engineering Society of the National Society of Professional Engineers.

The National Sponsors of MATHCOUNTS are Raytheon Technologies, U.S. Department of Defense, Northrop Grumman Foundation, BAE Systems, National Society of Professional Engineers, 3M, Texas Instruments, Inc, and Art of Problem Solving. MATHCOUNTS was founded by the National Society of Professional Engineers, National Council of Teachers of Mathematics and CNA Insurance.

About MATHCOUNTS Foundation:

MATHCOUNTS is a nonprofit organization that strives to engage middle school students of all ability and interest levels in fun, challenging math programs, to expand their academic and professional opportunities. Middle school students exist at a critical juncture in which their love for mathematics must be nurtured, or their fear of mathematics must be overcome. For more than 40 years, MATHCOUNTS has provided free, high-quality resources to educators and enriching, extracurricular opportunities to students to lay a foundation for future success. Materials and information are available at www.mathcounts.org. Follow [@MATHCOUNTS](https://twitter.com/MATHCOUNTS) on Twitter

MATHCOUNTS

JESSE MORRIS, PE



Members of the winning team were: William Jin (8th grade), Shaurya Sehgal (8th grade), Catie Michna (7th grade) and Kerrick Zhang (7th grade), coached by Shannon Renkly.



The top individual was William Jin, an 8th grader from George S. Mickelson Middle School coached by Coach of the Year Shannon Renkly.

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 April Monthly Meeting

Meeting available on Webex on Tuesday, April 11th 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

Ideas transform communities



Sioux Falls 605.977.7740
Rapid City 605.791.6100

hdrinc.com



Designing Solutions
for community growth

As a national leader with long-time relationships in water-focused services, Bartlett & West is your ally for success.

Bartlett & West

2921 E. 57th Street

Sioux Falls, SD

www.bartlettwest.com



Since 1913, HR Green has provided solutions that build communities and improve lives.

▶ SIOUX FALLS ▶ HRGREEN.COM

Sayre Associates

Vibration Monitoring,
Construction Administration,
Civil Engineering & Land Surveying

Call us to discuss your project needs!

www.sayreassociates.com • Phone: (605) 332-7211

CREATING & SOLVING FOR A SUSTAINABLE FUTURE.

Ulteig leverages the expertise, curiosity and collaboration of our team to create innovative solutions in Power, Renewables, Transportation and Water throughout North America.

Ulteig

5701 S. Corporate Place, Suite 1
Sioux Falls, SD 57108
605.323.2306

www.ulteig.com



GEOtek ENGINEERING & TESTING SERVICES, INC.

Resources for Design and Construction

909 East 50th Street North
Sioux Falls, South Dakota

P: 605-335-5512 F: 605-335-0773

www.geotekeng.com

Geotechnical • Construction Materials/NDT
Environmental • Indoor Air Quality/CIH



Streets • Sewer • Drainage
Water • Airports • GIS
Electrical Power

Trusted. Professional. Solutions.

Four locations including
Sioux Falls, SD
605-339-4157

dgr.com email:dgr@dgr.com



SCHEMMER



ARCHITECTURE



ELECTRICAL



CIVIL/SITE



GEOTECHNICAL



MECHANICAL



TRANSPORTATION



STRUCTURAL



WATER/WASTEWATER

SCHEMMER.COM | 605.332.7850

Thank you for your support of SDES! The newsletter is distributed to over 200 members of the chapter and posted on the SDES website.

To advertise in the Engineering Informer, please contact Nancy Hoines at: sdengineeringsociety@gmail.com, or 605-951-1004.

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.