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



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**WebEx:** next 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 XX of this newsletter.

## IMPORTANT NEWS

**NEXT MEETING:**  
 Tuesday, April 9th at  
 11:30am at Pizza Ranch  
 on 41st Street

## PRESIDENT'S COLUMN

BY LANCE WEATHERLY, PE

After the winter/spring floods, we have transitioned quickly to orange barrel season! Many chapter members reached out to volunteer in the Sioux Falls community with recent flood fighting efforts, thank you!!

Please join me in thanking Nadim Wehbe, Phd, PE, for presenting on the SDDOT/SDSU joint research project on improving bridge design at the March meeting. The presentation was well attended. We had 32 attendees who enjoyed the most technical presentation we've had in a while to learn how research has been incorporated into South Dakota bridges.

The next Eastern Chapter business meeting is planned for Tuesday, April 9th at the 41<sup>st</sup> Street Pizza Ranch starting at noon with presentation to follow. I encourage you to show up around 11:30am and socialize with your colleagues and connect with unfamiliar faces prior to the business meeting. Chad Rasmussen an electrical engineer with DGR Engineering will present on The Sioux Falls Electrical System: master planning, current projects, and future projects.

The 2019 Annual Conference is being hosted by the Central Chapter in Pierre on April 24-26. The conference schedule has a diverse variety of topics as well as an Oahe Dam Tour and Missouri River cruise social event. The Central Chapter has done an excellent job planning this conference. I look forward to attending and hope you consider attending as well!

The Eastern Chapter is planning to present the following slate of Officers for 2019/2020 term to the membership at the April chapter meeting. Please contact me if you are interested in an officer position for consideration by the Eastern Chapter board. A good way to be considered for an officer position is to become involved with subcommittees, participate in our chapter's volunteer opportunities and attend Board meetings to understand the operations of the Chapter.

Proposed 2019-2020 Eastern Chapter Officers

President: Krista May

President Elect: Ben Scholtz

Vice President: Gabe Laber

Secretary/Treasurer: Josh Peterson

State Director: Devin Clay

Chapter Director (2<sup>nd</sup> term): Riley Rinehart

Chapter Director (1<sup>st</sup> term): Kari Drake

Please take the time to read through the informative newsletter for other news and thank your SDES volunteers for their contribution. I hope to see you at the upcoming Chapter meeting or you participate via WebEx.

# TREASURER'S REPORT

BY JOSH PETERSON, PE

**Previous General Fund Balance 03/05/2019:** \$ 37,718.80

**Deposits:**

Awards Banquet Revenue \$ 300.00

**Total:** \$ 300.00

**Expenses:**

Tiger Robotics Sponsorship \$ (250.00)

Awards Banquet Food \$ (2,894.53)

**Total:** \$ (3,144.53)

**Total General Fund Balance:** \$ 34,874.27

**Previous Scholarship Fund Balance 03/05/2019:** \$ 6,116.79

**Deposits:**

**Total:** \$ -

**Expenses:**

**Total:** \$ -

**Total Scholarship Fund Balance:** \$ 6,116.79

**Total Account Balance 04/03/2019:** \$ 40,991.06



**IMPORTANT CALENDAR EVENTS**

**Upcoming Events:**

April 9th, Eastern Chapter Meeting at Pizza Ranch

Chad Rasmussen, an electrical engineer with DGR will be presenting on

The Sioux Falls Electrical System:

master planning, current projects, and future projects

**April 2019**

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				

## STATE MATHCOUNTS COMPETITION RECAP

### JESSE MORRIS, PE

# MATHCOUNTS®

## Students Win South Dakota State Math Competition

Pierre, SD – March 23, 2019 — A team of middle school Mathletes® from George S. Mickelson Middle School in Brookings took top honors in the South Dakota State MATHCOUNTS® Competition. The top individual was Megan Zhu, an 8<sup>th</sup> grader from Southwest Middle School in Rapid City.



Top Individual: Megan Zhu, 8th grader from Southwest Middle School in Rapid City

Members of the winning team were: Sampada Nepal (7<sup>th</sup> grade), Vanessa An (7<sup>th</sup> grade), Albert Shore (7<sup>th</sup> grade) and Rebecca Michna (8<sup>th</sup> grade), coached by Shannon Renkly.

The Second Place team was from Edison Middle School in Sioux Falls and the Third Place team was from Southwest Middle School in Rapid City.

The top four individuals from the State Competition will represent South Dakota at the 2019 Raytheon MATHCOUNTS National Competition in Orlando, Fla., May 12-13. The four team members are Megan Zhu of Southwest Middle School in Rapid City, Sampada Nepal of George S. Mickelson Middle School in Brookings, Vanessa An of George S. Mickelson Middle School in Brookings, and Gianna Stangeland 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 – 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 Company, U.S. Department of Defense, Northrop Grumman Foundation, National Society of Professional Engineers, CNA Insurance, Texas Instruments Incorporated, 3Mgives, Phillips 66, Art of Problem Solving and NextThought.

MATHCOUNTS was founded by the National Society of Professional Engineers, National Council of Teachers of Mathematics and CNA Insurance.



Top Team: George S. Mickelson Middle School in Brookings

## STATE MATHCOUNTS COMPETITION RECAP, CONTINUED

### JESSE MORRIS, PE

# MATHCOUNTS®

#### 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, in order 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 30 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](http://www.mathcounts.org). Follow @MATHCOUNTS on Twitter



Competition Testing in Pierre, March 2019

## WASHINGTON PAVILION OUTREACH ERIN STEEVER, PE

### Action Arts & Science Program Outreach Event

The AASP Family Night event on March 8<sup>th</sup>. Thanks to the Washington Pavilion Action Arts & Science Program for inviting us to interact with the underserved families at this event. Volunteers included Wes Philips, Brad Wermers, and Erin Steever. We lead a bridge building activity, diverging diamond interchange awareness activity with a real working stop light, and the “What Kind of Engineer are You?” matching game. AASP worked with students in the after school program to build components of a box city ahead of time which was assembled and on display in the Visual Arts Center during the event. There were approximately 200 visitors to the Pavilion for the event.



## NEW MEMBER HIGHLIGHT



### Branson Tolliver

Sayre Associates, Inc  
 bransont@sayreassociates.com  
 216 S Duluth Ave, Sioux Falls  
 605-332-7211

**College and Major:**  
 SDSU,  
 Civil Engineering



**Favorite Quote:**  
 "Get busy livin', or get busy dyin'."

My name is Branson Tolliver. I was born and raised in Wagner, SD before moving on to Brookings and attending South Dakota State University (Go Jacks!). My family consists of my mother Lisa (middle school/high school principal for Menno), my father Whitey (manager for a vending company in of Wagner), and my younger sister Brooklyn (soon to be a teacher in Lake Andes). I have worked for Sayre Associates in Sioux Falls for my entire three year career. During my free time, I enjoy spending time outdoors or trying a new recipe in the kitchen. One of my favorite hobbies is taking others on their first hunts and observing the emotions they encounter.

**Family:** Whitey (Dad), Lisa (Mom), Brooklyn (Sister)  
**Hometown:** Wagner, SD  
**Job Title and Years With Firm:** Civil Engineer, EIT and 3 years  
**Favorite Room in My House and Why:** Kitchen because I love to cook and try new recipes  
**My Normal Breakfast:** Eggs and Toast  
**Last DVD Purchased:** The Adventures of Fred Bear (Famous Archer/Hunter)  
**Hobbies:** Archery, Hunting, Cooking, Sports  
**What do you collect?** My friends would say hunting gear...  
**Pets:** Dennis (Siamese cat), Dixie (yellow lab)  
**Pet peeves:** Laziness, slow drivers  
**Favorite beverage:** Beer (when appropriate) or coffee  
**Favorite TV Show:** Parks and Rec  
**Favorite Season:** Hunting Season (Fall)

**People may not know about me..** I have a sharp eye for spotting wild asparagus in the ditch in the Spring.  
**What made you want to be an engineer?** I enjoy problem solving and new challenges.  
**What do you like best about being an engineer?** The feeling when the architect finally stops moving the building.  
**Describe a significant event in your career.** Designing and modeling my first underground detention pond.  
**Describe a significant event in your personal life.** Randomly meeting my girlfriend at an SDSU football game three years ago.  
**Describe an achievement from the past year you are proud of.** Helping my girlfriend harvest and cook her first wild game animal (turkey).  
**I hate it when....** my roommate (Tanner from IDG) mows over my strawberry plants in the back yard.  
**What are you looking forward to in the next year?** Getting strawberry plants reestablished in the back yard.  
**Favorite place to visit and why?** Currently, it is to Michigan to visit my girlfriend who is attending Optometry school, but together we enjoy visiting the Rocky Mountains.

## 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

### 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: <https://sdes.webex.com>
2. Select "Classic View" from the left column.
3. Select "Attend a Meeting"
4. Find the meeting in the "Search Meetings" Section.
5. Click the "Register" link by the Monthly Meeting.
6. Fill in your first name, last name, email address and hit the "Register Now" button at the bottom.
7. A registration email will be sent with all the information to log into the meeting.

### Eastern Chapter of SDGS 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.*

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

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605-977-7753  
Abby.Nelson@hdrinc.com

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

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



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