

### PRESIDENT'S MESSAGE

Fellow SDES Members,

Let's try this again! Greatly appreciate everyone's patience as we had to unfortunately reschedule the much-anticipated Awards Gala. Please join us on Wednesday, March 8th as we congratulate our award winners, Jody Page Scholarship recipient and hear what is to be an excellent keynote presentation from the Elevate CEO, Tom Johnson. If you have not heard Tom give a presentation, you are very much in for a treat. Hope to see you all there.

I want to also welcome many new members who have decided to join our ranks. It is very cool to see the fellowship grow, for people to broaden their network, and who ultimately see the value that is NSPE. I also want to thank the many members who attended our social back in February. Be standing by as we are in the works for more membership luncheons and social events in the upcoming weeks. I wanted to thank all those members and student members who took the time to volunteer for MATHCOUNTS. And most importantly, huge shout out to Ericka Amborn for coordinating, navigating, and putting together one awesome MATHCOUNTS experience for the students; THANK YOU ERICKA!

We are calling for more volunteer for the upcoming Women in Science Conference on Tuesday, March 14th. If you are able to support the NSPE booth for an hour or two, please contact Zach Kenney (contact information on this page).

Hope you have all thawed out from last week's blizzard and look forward to seeing you at the Gala next week!

All the best,  
Joe  
SDES BH President

### *SDES Black Hills Chapter Welcomes New Members!*

Please join us in welcoming the following new members to the Black Hills Chapter:

- *Lori Schumacher (KTM Design Solutions)*
- *Grace Schildhauer (SD Mines – Student)*
- *Ethan Pitlick (SD Mines – Student)*
- *Samantha McKillop (Burns & McDonnell)*
- *Carey Laeken (Ulteig)*
- *Kaden Jerke (SD Mines – Student)*
- *Jordan Adkins (City of Rapid City)*

Please join us in welcoming back returning members:

- *Jeremy Schnell (KTM Design Solutions)*
- *Charles Baker (KLJ)*

## 2022-2023 BLACK HILLS CHAPTER SDES OFFICERS

President: Joe Noble (joe.noble@AE2S.com)  
Past President: *Vacant for 2022-2023*  
President Elect: Zach Keeney (zkeeney@fmgengineering.com)  
Vice President: Erik Walega (erik.walega@respec.com)  
Secretary/Treas: Dana Foreman (dana.foreman@kljeng.com)  
State Director: Stacia Slowey (stacia.slowey@hdrinc.com)

## COMMITTEE CHAIRS

Awards/Recognition: Anne Winkel  
MATHCOUNTS: Ericka Amborn  
University Relations: Matt Hanley  
Public Relations: Amy Hasvold  
Scholarship & Endowment: Kyle Hansen  
Newsletter Editor: Erik Walega

## UPCOMING EVENTS



### *March 8<sup>th</sup>: Black Hills Chapter Awards Gala*

Presentation: Rapid City's Technology Corridor

Speaker: Tom Johnson, Elevate Rapid City

When: 11:30 am - 1:30 pm

Where: Person Alumni Center, 330 Birch Street, Rapid City

RSVP Deadline: March 3<sup>rd</sup>, 9:00 am

Cost: \$40 for members and non-members, \$20 for students

### *March 14<sup>th</sup>: Women in Science Conference – Rapid City*

When: 8:00 am - 3:00 pm

Where: South Dakota Mines

More information later in this newsletter.

### *April 4<sup>th</sup> – 6<sup>th</sup>: SDES 62<sup>nd</sup> Annual Conference*

Where: Ramkota Conference Center, Pierre, SD

More information to come later.

### *May 10<sup>th</sup>: Women in Science Conference – Spearfish*

Where: Black Hills State University

More information to come later.

### *Young Engineer of the Year 2022*

#### **Joseph Updike, EIT – RESPEC**

- BS in Civil Engineering, SD Mines
- EIT in South Dakota

Joseph has 3 years for experience working in precast drainage infrastructure in the Rapid City area. His experience includes managing the Dakota, Montana, and Wyoming markets for drainage pipe & precast, prestressed bridge, and storm water management. He recently joined RESPEC and assists on Rapid City utility projects.



### *Engineer of the Year 2022*

#### **Dustin Hamilton, PE – HDR**

- BS in Civil Engineering, SD Mines
- PE in South Dakota and Wyoming

Dustin is HDR's SD/ND/WY Area Transportation Business Manager, the Rapid City Office Manager, and a Transportation Project Manager. He has 19 years of experience in municipal and transportation engineering. His wide range of experience includes project development, budgeting, and project management. He regularly works on transportation, water and wastewater, storm drainage, and public facility projects and planning efforts.



### *Outstanding Engineering Achievement 2022*

#### **BIA Route 7 to US HWY 83 Improvement Project, Phase 1**

Rosebud Sioux Tribe, KLJ, and Loiseau Construction

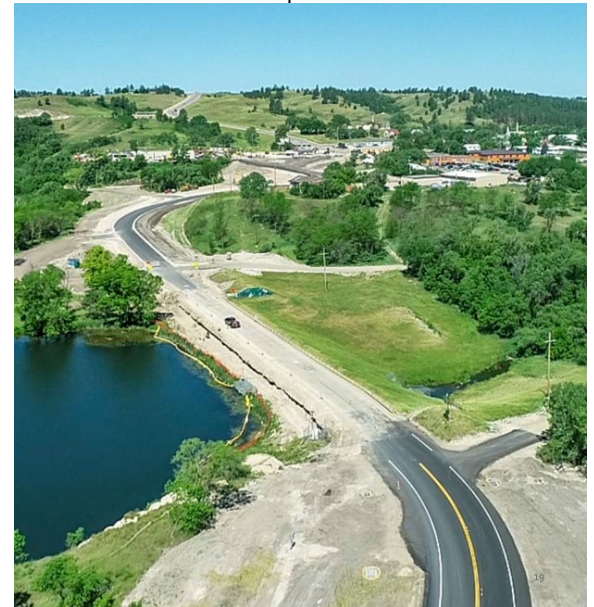
The Rosebud Indian Reservation, in Todd County, SD, is home to the Rosebud Sioux Tribe (RST). The tribal headquarters, located in Rosebud contains a Bureau of Indian Affairs (BIA) Route 7. This is a vital arterial corridor that spans from Rosebud to US Highway 83.

The roadway was in extremely poor condition. Travelers and workers experienced transportation challenges including limited visibility, lack of transportation access, and constrained transportation options. The area also experienced a high crash rate on the unsafe corridor.

As a result, the corridor needed to be reconstructed. But the RST did not have the financial means to fund the \$14.2 million project. Working closely to understand the project's full magnitude and impact on the region, KLJ prepared a dynamic grant application package seeking a Transportation Investment Generating Economic Recovery (TIGER) grant from the USDOT to reconstruct the essential roadway.

For more than eight years, KLJ helped RST secure the necessary funding and provided design and construction support for this vital infrastructure project.

The project reconstructed six miles of BIA Route 7 and 2.4 miles of 269th Avenue. It included intersection reconfiguration, construction of pedestrian infrastructure, and a wide range of safety enhancements. The project increases safe, efficient regional connectivity between tribally owned farmland and private businesses.



# MATHCOUNTS®

Black Hills Chapter

Middle school Mathletes® from 5 western South Dakota schools took part in the Black Hills MATHCOUNTS competition on Saturday February 25<sup>th</sup> at the SD Mines campus. The students competed in 3 intense rounds of written exams followed by a head-to-head, beat-the-buzzer math battle for a chance to go to the state competition in Pierre. This years top team was the Hawks from Southwest Middle School in Rapid City followed closely by the Governors from Georgia Morse Middle School in Pierre. The overall top individual was Christian Stanley from Georgia Morse Middle School. Wyatt Boerger from Southwest Middle School placed second as an individual and won the Countdown Round Competition.

Twelve students earned the right to advance to the state competition in Pierre on March 11<sup>th</sup>. Southwest Middle School students - Wyatt Boerger, Cohen Griffin, Michael Schnee, Matthew Stagner, Yedam Na, Dane Walker, and Owen Lin coached by Crystal McMachen; Georgia Morse Middle School students - Christian Stanley, Noah Lueking, Gemma Stangeland, and Rylan Afdahl coached by Jason Stangeland; East Middle School student Taylor Elder coached by Jeremy Reeve.



Members of the 1<sup>st</sup> Place Team – Coach Crystal McMachen, Wyatt Boerger, Matthew Stagner, Cohen Griffin, Michael Schnee with Black Hills MATHCOUNTS coordinator Ericka Amborn

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. Local MATHCOUNTS Competition Series is coordinated by members of the Black Hills Chapter of the South Dakota Engineering Society which is part of the National Society of Professional Engineers.

## Thank You!

Thank you to these organizations for supporting this years chapter competition with donations and give-away items for prizes



Thank you SDES members for volunteering your time

Brian Jenner  
Zach Keeney  
Daniel Egan  
Stacia Slowey  
Amy Hasvold  
Joe Noble

## TREASURER'S REPORT

(AS OF 15-NOVEMBER-2022)

### Account

Checking:	\$6,721.02
Savings:	\$7,840.06
CD #1:	\$2,636.17
Endowment:	\$49,520.60

### Scholarship/Donation Schedule

Year	Item	Amount
2022	Scholarship	\$2,500.00
2023	Scholarship	\$2,500.00
	TOTAL	\$5,000.00

### *The South Dakota Engineer Newsletter and the SDES Membership Directory*

The current issue of The South Dakota Engineer is available at [www.sdes.org](http://www.sdes.org) by clicking on "News". As a reminder, SDES members are invited to submit information for the e-newsletter. The newsletter is distributed September - May. The SDES Membership directory is also available upon request to SDES members only. Send your requests to a Black Hills Chapter Officer for a pdf of the directory. Also, please review your personal information and let a Black Hills Chapter Officer know if your contact information has changed.



## 2023 Rapid City Women in Science Conference

Youth in Science Rapid City (YISRC) and South Dakota Mines Women in Science and Engineering (WiSE) are hosting Rapid City's annual Women in Science Conference **Tuesday, March 14<sup>th</sup> from 8AM-3PM** on the South Dakota Mines campus. Over 800 7<sup>th</sup> grade girls from Rapid City and the surrounding area are registered to attend and they need your help! Opportunities include:

**Volunteers:** Group leaders and building monitors are needed to help the conference run smoothly. No technical experience is necessary, and men and women are welcome to help chaperone students to navigate their way around campus. If interested contact: [Vanessa.JC.Wood@me.com](mailto:Vanessa.JC.Wood@me.com)

**Speakers:** Professional women in STEM are needed to present 30-minute break-out sessions to groups of 25 students throughout the day. Speakers are asked to talk about their background, education, STEM career, and lead the students in a hands-on activity or demonstration. If interested contact: [Katrina.Jensen@bhsu.edu](mailto:Katrina.Jensen@bhsu.edu)

**Exhibitors:** STEM companies are invited to host a booth in our exhibit hall. Groups of students will independently rotate through the exhibit hall and explore careers that look interesting to them. Interactive exhibits are strongly encouraged, men and women exhibitors are welcome. If interested contact: Paula Jensen at [exhibits.yisrc@gmail.com](mailto:exhibits.yisrc@gmail.com)

**Only have a couple hours to volunteer?** SDES is hosting an exhibit and you are welcome to join us! We will plan the activities and set up the booth, you just have to show up and talk to young women about your career path! Contact Zach Keeney at [zkeeney@fmgengineering.com](mailto:zkeeney@fmgengineering.com) to sign up for a shift at the SDES booth.

**Can't volunteer but want to support the conference in another way?** Contact [amy.hasvold@sdsmt.edu](mailto:amy.hasvold@sdsmt.edu) for in-kind and monetary sponsorship opportunities.

# 2023 ENGINEERS WEEK AWARDS GALA

Pearson Alumni & Conference Center  
330 East Kansas City Street, Rapid City, SD 57701

## RAPID CITY'S INNOVATION DISTRICT

Keynote Speaker: Tom Johnson, Elevate Rapid City

Innovation districts are an urban model emerging in the United States where leading-edge institutions and companies connect with start-ups and business incubators.

Hear how city, business, and university leaders in Rapid City are creating our own innovation district. The corridor, envisioned in 2016, encompasses the area east of 5th Street between Omaha Street and the hills to the south. The district is growing in engineering and high-tech businesses that provide tech industry jobs.

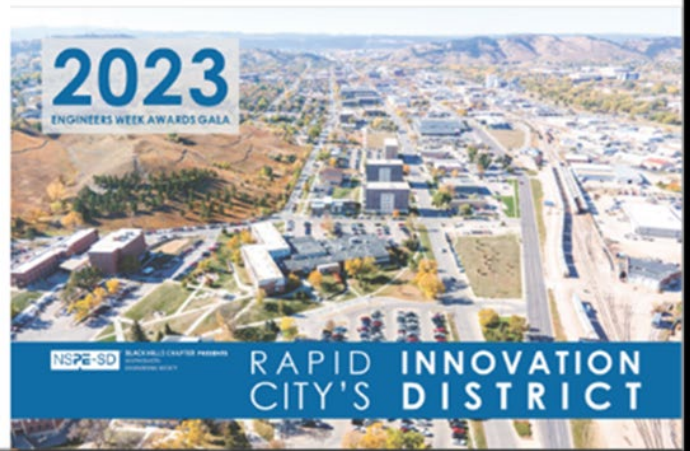
Tom Johnson is President and CEO of Elevate Rapid City. He has significant experience in New Market Tax Credits, business valuation, and workforce development. Tom has a bachelor's in English literature from the University of Wyoming and a Master's in Finance and Accounting from Regis University.

### Questions

sdengineeringsociety@gmail.com

### Awards

- Project of the Year
- Engineer of the Year
- Young Engineer of the Year
- Jody Page Leadership Scholarship



## Ideas transform communities



Sioux Falls 605.977.7740  
Rapid City 605.791.6100

[hdrinc.com](http://hdrinc.com)

### *SDES Black Hills Chapter Membership Meetings:*

Chapter membership meetings are generally the third week of the month (September to May) either during lunch 11:30-1:00 (presentation at noon) or as an early evening tour/social. Please check specific arrangements as meeting dates / locations vary due to speaker/room availability, etc. *Have any topic suggestions? We'd love to hear them. Please contact a Board member with your ideas.*

### *Black Hills Chapter Newsletter Sponsors*

Contributions from local consultants, contractors, suppliers, government agencies, and other related companies provide vital funding for our scholarships, MATHCOUNTS program, and other worthy activities. Newsletter sponsors go from September to May. Please consider the minimal donation of \$10/month or \$75 for nine months to show your support for the local SDES chapter and get the exposure of your advertisement in the newsletters throughout the next year. Ads may be business card size (up to 2 3/4" H x 3 1/2" W, maximum), B&W or color, your choice. If you and/or your company are interested in becoming a Sponsor, please visit the SDES website and register at [South Dakota Engineering Society - 2022-23 SDES Black Hills Chapter Newsletter Sponsorship](#) or contact [erik.walega@respec.com](mailto:erik.walega@respec.com).