

The South Dakota Engineer



Presidential Postings

Normally, I'd either be writing this article right before our Annual Conference or I would have already passed the gavel to our incoming SDES President, Jason Hinds, and he'd be writing his first Presidential Postings. But then things are way outside the boundaries of normal. I sincerely hope this newsletter finds you and your families healthy and getting along relatively well while remote working, home schooling, sheltering your college kids that have returned home or adjusting to whatever circumstances this virus has dealt you! Believe me, with two small children underfoot while teleworking, my hope is that we will all make it through to the other side of social distancing and will be able to meet face to face soon! Stay safe...and sane!

As you know, we have rescheduled the Annual Conference for September 9th—11th. Since the Fall PDH Conference was also scheduled to be held in the Eastern Chapter

area this year, we will combine the events for one big event in Sioux Falls. We are hoping to keep the same speaker list and events as planned and have already secured the Holiday Inn for the venue. Typically, we hold our SDES Annual Membership meeting, swear in our new officer team and announce our state award winners at the Annual Conference, too, so we'll be switching those events up a little this year. We've decided to hold the membership meeting and new officer installation sometime in late May or early June, likely via a virtual format. But part of the honor of winning a state award is being able to celebrate the achievement with your colleagues, so we are postponing the Awards Luncheon until we gather in Sioux Falls in the Fall.

I know a lot of you rely on the Annual Conference as a major source of the professional development hours (PDHs) needed to renew your PE and the rescheduled event may be past your due date. With that in mind, we've put together a special section discussing licensure requirements, PDH opportunities and other information to help you keep your PE current. On the following pages, you'll also find some additional information on legislation and other topics related to COVID-19. Hopefully this information helps you through the days ahead, but please reach out if there are other ways SDES can assist you during these rapidly changing times.

Lastly, there are many volunteers that deserve recognition and thanks at all levels in our society. Even in the current difficult situation you have all stepped up to assure SDES remains a strong organization for now and into the future. Thank you all!

There are a few people I've had the opportunity to work with that I would like to specifically thank. Ryan Johnson, current Past President, who took over during our transition period of Executive Directors and made the transition run smoothly. Ryan helped to lead the search and selection, and then coordinated the transition. We as a society were lucky to have someone with Ryan's abilities as our President. Jason Hinds, current President elect. Jason stepped into his role to fill the vacant position of another member. He has been an excellent representative for SDES on the NSPE House of Delegates and is always thinking of ways to expand the reach of SDES. Jon Weigand, current Vice President, has been an integral part of the leadership team and offered his insight and perspective on issues SDES needs to act on. Gabe Laber, current Secretary/Treasurer, continues to keep a watchful eye over our finances and assures we are in a strong position moving forward. Lastly, thanks to our Executive Director, Nancy Hoines, for going above and beyond in all aspects of her position. Nancy continues to surpass my and I think the rest of the SDES membership's expectations, providing us all excellent service. Folks, your society is in great hands!

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Completing Professional Development Hours in Times of Social Distancing

Many members and non-members alike rely on the SDES Annual Conference to help complete the 30 Professional Development Hours (PDH) needed to meet the continuing education requirements for their PE license in South Dakota, as well as similar requirements in other states . However, due to social distancing requirements and other CDC guidelines related to COVID-19, not only the SDES Annual Conference, but numerous other in-person continuing education opportunities have been cancelled. Many PEs are wondering what their options are for acquiring PDH in these crazy times, so we dug through the Blue Book, talked to members of the Board of Technical Professions and gathered up some information to help answer your questions.

Remind me, what are the PDH requirements for PE renewal in South Dakota?

Individual licensees are required to obtain 30 PDH during the two years preceding renewal. A minimum of 20 PDH must be in technical subjects that lead to further professional development in the licensee's field of practice. A maximum of 10 PDH may be in professional management subjects.

What are some examples of technical vs. professional management subjects?

Technical subjects include design, environmental analysis, programming and planning, structural systems, lateral forces, mechanical or electrical systems, construction methods, accessibility, land survey and the like. **Professional management topics** include total quality management, professional business practice or ethics.

Other than classes or webinars, how else can I get PDH?

Successful completion of college courses	1 Semester Hour = 45 PDH 1 Quarter Hour = 30 PDH.
Successful completion of Continuing Education Unit	1 CEU = 10 PDH
Successful completion of correspondence, televised, videotaped, audio taped, internet and other short courses or tutorials with verifiable passing scores for examinations.	1 Hour = 1 PDH
Participation in professional /technical seminars, courses, presentations and workshops.	1 Hour = 1 PDH
Active participation in professional and technical societies. (2 PDH/organization/renewal)	1 Year = 1 PDH. Limit = 6 PDH.
Teaching or instructing qualifying courses for first time. (Does not apply to faculty.)	1 Hour = 2 PDH
Authoring published papers, articles or books.	1 Hour = 10 PDH
Each patent.	10 PDH

How do I measure my PDH?

Program Time	PDH Credit
0-29 Minutes	No Credit
30-49 Minutes	0.5 PDH
50-79 Minutes	1.0 PDH
80-109 Minutes	1.5 PDH
Greater than 109 Minutes	Actual time rounded to the nearest half hour

Where can I find more information on my South Dakota License?

The State of South Dakota Codified Laws Chapter 36-18A, otherwise known as the Blue Book is a good resource for all things related to your PE. You can access the Blue Book here https://dlr.sd.gov/btp/documents/blue_book.pdf PDH information is covered beginning on page 40. The SD Board of Technical Professions website shares a variety of information on licensing at https://dlr.sd.gov/btp/default.aspx Questions can also be directed to the SD Board of Technical Professions via email at sdbtp@state.sd.us Remember Board staff is working remotely, so please be patient as staff will respond as quickly as possible.

HOW COULD COVID-19 AFFECT MY PE LICENSE RENEWAL?

Knowing many of you may have questions on continuing education requirements, SDES reached out to the South Dakota Board of Technical Professions (SDBTP) and researched surrounding states to see what changes are being considered due to COVID-19. Due to the value of continuing education, all licensing boards encourage you to strive to still complete your hours, through webinars or other online sources, but some states have modified their requirements due to the effects of COVID-19.

South Dakota: Under Administrative Rule, the SDBTP is considering the COVID-19 pandemic under a medical exemption and will waive some continuing education, if needed, for this renewal. PEs should notify the SDBTP via email that they renewed under COVID-19 and were unable to complete the necessary PDH requirements.

lowa: Under the Governor's Proclamation of Disaster Emergency, the maximum number of independent study hours has been lifted and the number of PDHs required has been cut in half. https://plb.iowa.gov/documents/engineeringsurve_ving-covid-19-provisions

North Dakota: PE licenses are not up for renewal until December 31st. With several months left until renewal, ND has not modified their requirements.

Nebraska: PE licenses are not up for renewal until December 31st. However, at last Friday's meeting, the Board reduced the number of required continuing education hours from 30 to 20 and raised the limit on restricted online, non-live CE activities from one-fourth to one-half. Watch for the minutes at https://ea.nebraska.gov/meeting-minutesagendas

Wyoming: PE licenses are not up for renewal until December 31st. Continuing education requirements are on the Board's June meeting agenda.

Minnesota: Licenses are up for renewal on June 30th. Because the continuing education requirements are in statute, instead of administrative rule, the Board is not able to give a blanket extension and so the requirements remain the same as normal.

Other States: Visit the NSPE COVID-19 Licensure-Related Legislation page at https://www.quorum.us/spreadsheet/external/Xzc cVELfzzrFOYyqEmxn/

NOTE: SDES is not responsible for changes in license requirements and recommends you confirm all requirements with the state in which you are renewing your license.

Reputable PDH Activities

As you look to online or at other resources for professional development hours (PDH), you should always consider whether the activity (course, seminar, webinar or other source) is worthy of a PDH and if it will pass the muster with the Board of Technical Professions. A few things to consider as you are reviewing an activity for PDH include:

- Is the activity a learning experience which will enhance and expand your skills, knowledge and abilities as a PE?
- Does the activity have a clear purpose or objective to maintain, improve or expand your skills and knowledge as a PE?
- Is the activity's content well organized and presented in a logical manner for learning?
- Is it evident the activity was well thought out and pre-planned?
- Is the presentation made by a person(s) who is well qualified and through a reputable organization?
- Is the presentation merely a sales pitch and not eligible for PDH?
- Are you able to verify your completion or participation in the activity in the form of a completion certificate or other documents supporting evidence of attendance (notes, programs, handouts, etc.)

The State of South Dakota only requires the submittal of a PDH log https://www.state.sd.us/eforms/secure/eforms/E1321v1-pdh_log.pdf, however attendance verification records should be maintained for three years following renewal, in case you are audited by the Board. Records may also be maintained by professional record repositories such as the continuing professional competency (CPC) tracking tool on the National Council of Examiners for Engineering and Surveying (NCEES) website.

Respectable PDH Resources

Since the onset of social distancing, you've likely seen a variety of websites or other sources offering PDH activities, but you may wonder if they would pass the scrutiny of the Board of Technical Professions should your renewal get audited. In speaking with a couple members of the Board, SDES' advice to members is to seek out professional or technical associations for PDH opportunities less likely to raise an eyebrow than sites that mass produce PDH offerings. Many states have December 31st renewal dates, so there is still plenty of time to consider options for obtaining your PDH in person. Remember, some states also have a limit on how many on-line PDH are accepted for renewal. If you need to resort to webinars and online courses, here are some recommended sources. A list of upcoming classes follows on the next page:

- National Society of Professional Engineers at NSPE.org
- American Council of Engineering Companies at ACEC.org
- American Institute of Steel Construction at AISC.org
- American Public Works Association at <u>APWA.net</u>
- American Society of Civil Engineers at ASCE.org
- American Society of Mechanical Engineers at ASME.org
- Institute of Electric and Electronics Engineers at LEEE.org
- National Council of Structural Engineers Associations at NCSEA.com
- Society of Women Engineers at <u>SWE.org</u>
- Plus numerous trade or market specific organizations, such as the American Concrete Pavement Association, SD Ready Mix Concrete Association, AASHTO, National Highway Institute, National Asphalt Pavement Association, etc.

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Continuing Education Opportunities

In addition to the list of respectable PDH resources on the previous page, SDES has been notified of the following continuing education opportunities that are planned for the next few months. Many of the webinars and trainings are free of charge or may be free to members of an organization, but available at a small fee to non-members. If you are aware of additional webinars that may be of interest to SDES members, please email them to sdengineeringsociety@gmail.com and we will add them to the SDES website.

- ♦ 15 Free NSPE Courses/Year: These courses are available for free to full NSPE/SDES/Chapter members to view from your home or office and you can earn credits by viewing the webinar and passing the quiz. Courses are also available to non-members or State Only SDES members for a fee (\$149—\$189). Course topics range from management to ethics and from electric transmission to drones to dams. Find out more about the courses here https://www.nspe.org/membership/member-benefits/fifteen-free-courses If you are in need of PDH, this is a great time to join or upgrade your membership to full NSPE/SDES/Chapter membership level. Find out more about full membership on page 9.
- ♦ NSPE Live and On-Demand Courses: NSPE also offers a variety of live and on-demand courses some free, some for a fee through the PE Institute. Courses vary from technical to business to those focused on young engineers. Find out more on the Education and Practice page on the NSPE website at https://www.nspe.org/resources/education-practice
- ♦ American Council of Engineering Companies (ACEC) Courses: The American Council of Engineering Companies is offering a variety of free webinars for member firms in response to COVID-19. In addition, ACEC also provides a number of on-demand and live online courses, typically focused on the business of engineering, for members and non-members. You can access the catalog at https://education.acec.org/diweb/catalog Almost 35% of our SDES members are also ACEC member firms. To see if your firm is on the list visit https://www.acec.org/sd/about/member-firms/
- May 5, 9:30 -11 am CDT, Determining a Contractor's Entitlement to a Time Extension: This webinar on the Transportation Learning Network will look at the Wyoming, Montana, and North and South Dakota DOT contracts. It will discuss what these contracts require regarding a contractor's obligations to establish entitlement to a time extension for alleged COVID-19 delays. Find out more here.
- May 5, Noon—1 pm CDT, Concrete Overlay Maintenance and Available Resources: Sponsored by the South Dakota Chapter of the American Concrete Pavement Association, this is the fifth in the series of webinars on Concrete Overlays available for free. Register here https://go.acpa.org/cp-tech-center-education-ovly-3-5 Access to the recordings of the previous four webinars is also available upon registration.
- May 6, 10-11 am CDT, Roller Compacted Concrete Pavements: Sponsored by the Portland Cement Association. This webinar will cover the fundamentals of Roller Compacted Concrete including mix design and construction aspects that will help explain the key factors in obtaining a high quality RCC project. Find out more and register at https://register.gotowebinar.com/register/864703629323315467?source=Website
- May 6, 1-2 pm CDT, Life Cycle Assessment of Concrete Buildings: Sponsored by Build with Strength, along with the National Ready Mixed Concrete Association. This webinar discusses how concrete offers many environmental attributes that help reduce the overall environmental life cycle impacts of a building. Find out more and register at https://register.gotowebinar.com/register/8482082802542041099
- May 6, 1-2 pm CDT, 2020 EJCDC Engineering Agreements. Free to NSPE Members, this webinar will cover EJCDC E-500, E-520, and E-570, their recommended usage, the relationship of the new documents to the EJCDC 2018 Construction Series documents, and changes from prior editions. Log in and Register at https://www.nspe.org/resources/pe-institute/live-educational-events/the-2020-ejcdc-engineering-agreements
- May 7, 1-2 pm CDT, Concrete Street and Parking Lot Maintenance and Repair: Sponsored by the SD Ready Mix Concrete Association, this free webinar will teach how to assess the distresses observed and cover the various maintenance techniques for concrete pavement repair. Find out more and register at https://register.gotowebinar.com/register/660654061931291405
- May 12, Noon CDT, Planning and Design ADA Guidelines for DOT, Cities and Municipalities. Sponsored by the South Dakota Chapter of the American Concrete Pavement Association. Learn the importance of ADA compliance, the requirements and benefits of transition plans and the design requirements detailed in Public Rights-of-Way Accessibilities Guidelines (PROWAG). Find out more here http://www.sdes.org/resources/Documents/ADA%20-%20Information%20on%20Webinar%20May%202020%20%20Sessions.pdf
- May 13, 10-11 am CDT, Cement Stabilized Subgrade Soils: Sponsored by the Portland Cement Association. The use of cement for subgrade soil treatment can be an economical, fast, and sustainable solution to several soil problems encountered before or during construction. This free one-hour webinar will cover the both the physical and chemical mechanisms involved in the stabilization process, site investigation, construction considerations and case studies. Find out more and register at https://register.gotowebinar.com/register/546409306715652097?source=Website
- May 13, 1-2 pm CDT, The Balanced Design Approach to Fire Safety: How Concrete Building Systems can help Reduce Risk: Sponsored by Build with Strength, along with the National Ready Mixed Concrete Association. There has been an increase in single family and multifamily structure fire losses, partly due to increased use of combustible construction methods. This presentation will investigate the causes of these fires and provide balanced design recommendations using both active and passive fire protection strategies. Find out more and register at https://register.gotowebinar.com/register/2613306448380792587
- May 14, 1-2 pm CDT, Concrete Overlays of Existing Asphalt Surfaced Streets and Parking Lots: Sponsored by the SD Ready Mix Concrete Association, this free webinar will cover the publication entitled The Guide to Concrete Overlays of Asphalt Parking Lots and will demonstrate the steps necessary to properly design and construct a concrete overlay. Find out more and register at https://register.gotowebinar.com/register/7674672931491169805

Continuing Education Opportunities (continued)

May 19, Noon CDT, How are States Implementing PROWAG Design and Construction. Sponsored by the South Dakota Chapter of the American Concrete Pavement Association. The webinar will take an in-depth look at how Wisconsin and Missouri are implementing ADA Compliance. Find out more here http://www.sdes.org/resources/Documents/ADA%20-%20Information%20on%20Webinar%20May%202020%20%20Sessions.pdf

- May 20, 10-11 am CDT, Roller Compacted Concrete for Dams: Roller-compacted Concrete (RCC) has been used to construct and rehabilitate dams in the United States for decades. This free one-hour webinar will discuss the basics of RCC with examples of recent successful applications to dam projects. Find out more and register at https://register.gotowebinar.com/register/4832494747804227851?source=Website
- May 20, 1-2 pm CDT The Environmental Impacts of Building Materials: A Primer for Comparing Concrete, Steel, Wood and Asphalt: Sponsored by Build with Strength, along with the National Ready Mixed Concrete Association. In addition to performance, budget and aesthetics, design professionals are now being asked to evaluate the environmental burdens of their design choices. Every design decision, from material and product selection to envelope design can have an impact on the environment. This webinar will address critical issues the design professional should consider as he/she evaluates the environmental impacts of building materials. Find out more and register at https://register.gotowebinar.com/register/1925966545485997323
- May 21, 1-2 pm CDT Concrete Trail Design: Sponsored by the SD Ready Mix Concrete Association, this free webinar will cover Concrete Trail Design. The Guide to Concrete Trails by the National Concrete Pavement Technology Center provides guidance for design and construction of paved concrete recreational trails, including those for biking, running, walking and cart paths. This session will review the guide and discuss improving the transportation and recreation opportunities of the general public through trail development. Find out more and register at https://register.gotowebinar.com/register/7567758619829544205
- May 27, 10-11 am CDT Portland-Limestone Cement: Portland-limestone cement (PLC) is new to the US, but has been used internationally for many decades in all aspects of concrete construction. PLC is a blended cement that incorporates between 5% and 15% limestone as an ingredient, which lowers its environmental footprint by about 10%. This free one-hour webinar reviews PLC performance in concrete, including strength and durability attributes. Attendees will gain an better understanding of this new cement type as a tool for making concrete pavements even greener. Find out more and register at https://register.gotowebinar.com/register/8364240445629830926?source=Website
- May 28, 1-2 pm Designing Pervious Concrete: Sponsored by the National Ready Mixed Concrete Association. This one-hour webinar provides an introduction to designing a pervious concrete pavement filtration system. Find out more and register at https://register.gotowebinar.com/register/8903539903740825868
- June 2-4, NHI 135046 Stream Stability and Scour at Highway Bridges, Becker Hansen Bldg. B17, Pierre, SD: This National Highway Institute course is currently scheduled to be held in person. Find out more and register at https://www.nhi.fhwa.dot.gov/home.aspx
- September 9-11, SDES 60th Annual Conference, Sioux Falls, SD: We hope to have all our speakers from the postponed April conference still on board to present in September. Keep an eye on the SDES website for more information. http://sdes.org/
- November 12, NHI 135047 Stream Stability and Scour at Highway Bridges for Bridge Inspectors: This National Highway Institute course is currently scheduled to be held in person. Find out more and register at https://www.nhi.fhwa.dot.gov/home.aspx





Unfortunately PECON, the NSPE 2020 Professional Engineers Conference has now been proposed until 2021 because of the coronavirus pandemic. We hope to see you in Philadelphia next year!

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COVID-19 Resources

With information changing by the hour and sometimes varying from state to state or city to city, some of the most difficult questions to answer during this whole COVID-19 pandemic may be: Who do you believe? Where do I go for answers? What is the right thing to do? Where can I get help? There have been a lot of conversations over Zoom, Microsoft Teams and other venues focused on those very topics and undoubtedly you hear both ends of the spectrum from 'they're being overly cautious' to 'they're not being cautious enough'. SDES doesn't claim to have the all the answers, but we've put together a list of South Dakota resources that may help you formulate your own answers.

GENERAL RESOURCES

- Precautions to Avoid Illness: https://doh.sd.gov/news/cor onavirus.aspx#Avoid
- What to do if you develop symptoms: https://doh.sd.gov/news/cor onavirus.aspx#Symptoms
- COVID-19 in South Dakota:
 Visit the State of South
 Dakota website for a variety
 of virus related information
 https://covid.sd.gov/
- COVID-19 Resources: This is a laundry list of state and federal resources for employees and employers. https://dlr.sd.gov/covid_19 resources.aspx
- SD Governor's Office of Economic Development: Links to a variety of resources for employers and employees https://sdgoed.com/covid-19/
- COVID-19 Updates and Information from the SD Department of Health: https://doh.sd.gov/news/cor onavirus.aspx
- SD Back to Normal Plan: https://covid.sd.gov/docs/C OVID SDPlan BackToNormal .pdf
- See your own community or county websites for additional local information.

EMPLOYEE RESOURCES

- Families First Coronavirus
 Response Act: Employee
 Paid Leave Rights: Explains
 what types of paid leave
 employees may be eligible
 for and paid leave
 requirements
 https://www.dol.gov/agencies/whd/pandemic/ffcra-employee-paid-leave
- Families First Coronavirus
 Response Act: Questions and
 Answers: This page answers
 a lot of questions you may
 have regarding family and
 medical leave.
 https://www.dol.gov/agencies/whd/pandemic/ffcraquestions
- Reemployment Assistance (formerly Unemployment Insurance): Temporary financial assistance for people who have lost their job until they find employment. https://dlr.sd.gov/ra/default.aspx

EMPLOYER RESOURCES

- CDC Guidance for
 Businesses and Workplaces:
 Guidance to plan, prepare
 and respond to COVID-19
 https://www.cdc.gov/corona
 virus/2019 ncov/community/organizatio
 ns/businesses employers.html
- COVID-19: What Can
 Employers Do?: A variety of
 information from preparing
 your workplace to labor laws.
 https://doh.sd.gov/documen
 ts/news/COVID_business_Q
 A.pdf
- Families First Coronavirus Response Act: What does it mean for employers: Discussion on FMLA, Emergency Paid Sick Leave, etc. https://dlr.sd.gov/employme nt_laws/publications/familie s_first_coronavirus_respons e_act.pdf and https://www.dol.gov/agencie s/whd/pandemic/ffcraemployer-paid-leave
- The Small Business Owner's
 Guide to the CARES Act: This
 covers the Paycheck
 Protection Program, Disaster
 Loans, Tax Provisions and a
 variety of other topics.
 https://sdgoed.com/wpcontent/uploads/2020/03/
 The-Small-Business-Owner'sGuide-to-the-CARES-Act-1.pdf
- Governor Noem's Small Business Relief Fund: \$5,000 -\$75,000 load for businesses with less than 250 employees https://sdgoed.com/covid-19/

Legislative Update

The 2020 South Dakota Legislative Session came to a close with a very active Veto Day and the promise of a special session due to the Coronavirus pandemic. The four bills the Design Professionals Coalition was the most involved with are SB12, HB1065, HB1269 and HB1276, however there are a number of other bills SDES tracked throughout session.

The End of Session Legislative Update, pre-Veto Day can be download at http://www.sdes.org/resources/Documents/Legislation/SDESLegUpdateEndofSession.pdf. A summary of the Appropriations and COVID-19 related bills can be found below. Clicking on the bill number will take you to the more information on the bill or visit https://sdlegislature.gov/Legislative_Session/Bills/Default.aspx?Session=2020 for a complete list of the bills.

Being active in the political process is a year-around commitment. We'll be reaching out to you over the next several months for your input, thoughts and ideas of how we prepare for the next session. In the meantime, get to know your local legislators. Let them know you are an engineer and start building a relationship. As with last year, we've been promised another licensure bill next session and we need to start preparing for it yesterday.

We also recommend reaching out to South Dakota's Congressional Delegation. Senators Thune and Rounds and Representative Johnson have their work cut out for them as they continue to consider the stimulus packages on the road to economic recovery. The fourth package will likely deal with critical infrastructure funding for transportation, water/wastewater, communications, energy, vertical infrastructure and more. These projects are the lifeblood of our local communities and key areas in which professional engineers will play a vital role in getting the world back on its feet. Reach out to the your Congressmen and let them know your thoughts and share your commitment to being part of the recovery.

Bill	Title
HB1294	Appropriate money for the ordinary expenses of the legislative, judicial, and executive departments of the state, the expenses of state institutions, interest on the public debt, and for common schools. Signed by the Governor on 3/27/20.
HB1295	Revise provisions regarding contagious disease control and enforcement and to declare an emergency. Signed by the Governor on $3/31/20$.
HB1296	Revise the authority of the Governor in times of a disaster, act of terrorism, or emergency and to declare an emergency. Signed by the Governor on 3/31/20.
HB1297	Grant the secretary of health certain authority during a public health emergency and to declare an emergency. Failed in the House 17-50.
<u>HB1298</u>	Provide for the postponement of certain elections and to declare an emergency. Signed by the Governor on 3/31/20.
<u>SB187</u>	Revise certain provisions regarding reemployment assistance benefits in response to Coronavirus Disease 2019 and to declare an emergency. Signed by the Governor on 3/31/20.
<u>SB188</u>	Account for educational opportunities provided to students during a state of emergency and to declare an emergency. Signed by the Governor on 3/31/20.
<u>SB189</u>	Provide exemptions from certain requirements for the 2019-2020 school year and to declare an emergency. Signed by the Governor on 3/31/20.
<u>SB190</u>	Revise certain driver licensing requirements to allow for an extension during a statewide emergency or disaster and to declare an emergency. Signed by the Governor on 3/31/20.
<u>SB191</u>	Provide emergency authority to counties, community improvement districts, and municipalities in the event of a public health crisis and to declare an emergency. Failed in the House 37-29.
<u>SB192</u>	Create the small business economic disaster relief subfund, to provide for the transfer of certain funds into the subfund, to authorize the Economic Development Finance Authority to make a grant to the subfund, to provide for the continuous appropriation of the subfund, and to declare an emergency. Signed by the Governor on 3/31/20.
<u>SB193</u>	Revise Senate Bill 38, An Act to revise the General Appropriations Act for fiscal year 2020, as previously enacted by the Ninety-fifth Session of the South Dakota Legislature. Signed by the Governor on 3/31/20.
<u>SB194</u>	Revise certain requirements for absentee ballots and to declare an emergency. Failed in the Senate 8-27.

ONE EASY WAY TO DO YOUR PART

Log into <u>SDES.org</u> and add or verify your home and business address. If you know your legislative district — add that, too. This one easy update allows SDES to present legislators with specific data —such as how many engineers live and work in their district — that can be vital as we work to protect the health, safety and welfare of the public through licensure.

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Welcome New Members!

Please extend a warm welcome to all our new members who have joined NSPE/SDES since our last newsletter! Whether you are a student, new to the profession or a familiar face who has been around the industry for a while, we look forward to sharing the benefits of NSPE/SDES with you!

Eastern Chapter

Lorenzo Romero, DGR Engineering
Thomas Cook, HDR Engineering
Tami Jansma, City of Brandon
Shane Waterman, PE, Clark Engineering, now IMEG
Michael Konrad, PE, Albertson Engineering
Angelinah Rasoeu, Student, SDSU
Ted Lewis, City of Sioux Falls
Eric Weis, PE, Infrastructure Design Group
Zane Hiller, American Engineering Testing

Central Chapter

Roberta Hudson, PE, SD DENR

Black Hills Chapter

Nicholas Zell, Student, SDSMT
Christian Dyson, Student, SDSMT
Kevin Chamberlain, Student, SDSMT
Emily Sande, Student, SDSMT
Jae Kloker, Student, SDSMT
Isaac Kortemeyer, Student, SDSMT
Caleb Musick, HDR Engineering
Emelia Nelson, Student, SDSMT
Pamela Coleman, KLJ
Joe Noble, PE, AE2S
Darrell Utter, PE



WHO WILL <u>YOU</u> INVITE TO BE A MEMBER?

Remember when you were fresh out of school, new to your firm or just looking to meet new people and professionals? Who was that person who reached out to you and invited you to join SDES? Think of all the friends you've made, the relationships you've built and the professional knowledge you've gained through SDES....and yes, maybe you've even had a little fun along the way! Take some time to reach out to a recent graduate, new staff member or maybe that long-time colleague that has just never taken the time to join. Bring them along to your next Chapter meeting or social and introduce them to SDES!

If you know of someone interested in becoming a new member, contact Nancy Hoines at 605.951.1004.



ENGINEERING SOCIETY

NOT A SOUTH DAKOTA **ENGINEERING SOCIETY MEMBER ALREADY?**

JOIN TODAY!

Perhaps you're attended a South Dakota Engineering Society (SDES) conference in the past or maybe you've just graduated with your engineering degree. Maybe you've been an engineer for years and are looking for PDH and networking opportunities or maybe you're a student pursuing an engineering degree. Whatever your status in the profession, there's no time like the present to join!

TYPES OF MEMBERSHIP

Full Member: Includes membership in the National Society of Professional Engineers (NSPE), the South Dakota Engineering Society (SDES) and your local Chapter (Black Hills, Central or Eastern) plus all the benefits of full membership for \$299/year

Recent College Graduate: Recent college graduates of ABET accredited schools and programs may qualify for discounted membership dues for the first four years, starting at 20% of full dues the first year, 40% the second, 60% the third, 80% the fourth and finally paying full membership dues the 5th year out of school.

Student Members: Students enrolled full time in an ABET accredited engineering program or preengineering program that has a transfer agreement with a ABET accredited engineering program or a student enrolled full time in a graduate level engineering program qualify for a FREE student membership.

NSPE-SD **SOUTH DAKOTA ENGINEERING SOCIETY**

NSPE MEMBER BENEFITS

- Networking with Colleagues, Clients and 26,000 of the World's Most Talented and Respected Engineers
- Leadership Opportunities at the Chapter, State and National Levels
- Chapter and State Newsletters with Local, State and National News
- Monthly PDH opportunities at the Chapter Level
- 15 Free Online Courses per year through NSPE
 - Member rates for State and National Conferences, Webinars and other PDH Events
- Volunteer and Youth Outreach Opportunities
 - Timely Legislative Updates during South Dakota's Legislative Session
- PE Magazine, published six times a year, plus Members Only E-newsletters
 - Access to State and National Job Boards
- Discounts on Publications, Documents and Other Services offered by NSPE Benefit Partners
- Membership in the Organization Focused on Protecting the PE
 - Access to Online Communities
- Discounted Pricing on FE, PE and SE Exam Books and Digital Review, and FE, PE and SE **Prep Courses**
- Free Access to the Members Only Licensure and Ethics Hotline
 - Much More!

JOIN TODAY AT NSPE.ORG OR CONTACT NANCY AT SDENGINEERINGSOCIETY@GMAIL.COM PAGE 10 THE SOUTH DAKOTA ENGINEER

Members in the News

SDSU Jerome J. Lohr College of Engineering *Impulse* Features Two SDES Members

The Spring 2020 edition of the *Impulse*, SDSU's College of Engineering magazine, features two SDES members. See highlights below, then check out the online issue at https://openprairie.sdstate.edu/cgi/viewcontent.cgi?article=1067&context=coe_impulse

SDSU Honors Larry Weiss as the Distinguished Engineer for the Jerome J. Lohr College of Engineering

Congratulations to long time SDES member Larry Weiss on being honored as this year's Distinguished Engineer for the Jerome J. Lohr College of Engineering at South Dakota State University!

Some of you know Larry, formerly of Pierre, now of Sioux Falls, from his career with the South Dakota Department of Transportation, retiring as chief engineer in 2002. Others may know Larry from his 37 years with the South Dakota National Guard. And yet others of you will know Larry from his 14 years with the SD Local Transportation Assistance Program (LTAP). His illustrious career in engineering is just one of Larry's attributes that make him an exceptional candidate for this honor. Read more about Larry and the award in the *Impulse*.

Konda Family Highlighted in SDSU's *Impulse*

Neal Konda, SDES Member and SD DENR employee, and his family are featured in a great article that shares the family's strong connection to engineering and SDSU. Check out the article and fun family photos in the *Impul*se via the link above.

Go Blue!

KLJ: It's Official!

Although many of you may know Kadrmas, Lee & Jackson, Inc. as KLJ — it is now official. As of April 1, Kadrmas, Lee & Jackson, Inc. has legally changed their company name to KLJ Engineering LLC.

Clark Engineering Joins IMEG Corp

Clark Engineering is pleased to announce that the firm has joined IMEG Corp. based in the Quad Cities, IL.

IMEG is one of the largest full-service engineering consulting firms in the United States. With this addition, Clark Engineering, now IMEG can provide full engineering services to our clients from our Aberdeen, Huron, Pierre, Sioux Falls, and Watertown office locations in South Dakota.

"Clark Engineering is a highly respected firm and we are excited to have them join our company," said IMEG President/CEO Paul VanDuyne. "Their strong client base is a testament to their technical expertise and customer-based focus – two vital characteristics that match IMEG's own priorities".

Clark is looking forward to being part of IMEG's growing national presence and breadth of disciplines. Combining both firms' civil and structural building expertise, along with IMEG's experience in multiple national markets, Clark is creating a strong synergy for future growth. Clark will continue to provide the same quality of services, and the same client-focused professionals will remain at each location. However, we have a new name and now can offer expanded services and resources to meet our clients' growing needs!

Clark joined forces with IMEG Jan. 31 and is doing business as Clark Engineering, now IMEG.

News from NSPE

Mark Golden, Executive Director & CEO of NSPE shares the following updates:

There are hopeful signs that we may have passed through the worst of this stage of the coronavirus pandemic, and that at least some parts of the country may soon begin the slow and cautious process of reopening that will be the catalyst for full-fledged recovery for both our Society and the economy. But our primary concern remains being prudent and staying safe. I hope you all are doing well.

Championing engineering qualifications has not been put on hold for the virus. Despite the ongoing challenges of Covid-19 and the economic shut down, work continues to advance NSPE's mission of advocating for appropriate licensing and credentialing of the entire engineering team, to protect the public interest. Both of our interprofessional coalitions—the Alliance for Responsible Licensing and the Professional Certification Coalition—remain focused on their respective missions and objectives, with an eye toward post-pandemic strategies. ARPL recently developed a detailed strategic focus for the 3rd and 4th quarter of this year that takes into account recent Covid-19-related adjustments that many states have made to licensing requirements. Licensure opponents are already using these changes to advocate for permanent lowering of standards, and ARPL is developing messaging and communications strategies to counter these attacks. NSPE continues to exert a leadership role in both coalitions.

Asserting the PE's Role in Autonomous Vehicles and Artificial Intelligence. NSPE recently submitted public comments in response to the Department of Transportation's Automated Vehicles 4.0 policy guide. DOT continues to take a laisse-faire approach to autonomous vehicles, preferring to allow companies to self-certify their autonomous vehicle's safety. NSPE challenged this approach, focusing on the very real risk posed to the public, as seen already in AV accidents that have resulted in injury and death.

Additionally, the government relations staff responded to a request for comment from the Office of Management and Budget, regarding the creation of "best practices" for the development and implementation of artificial intelligence. NSPE urged OMB to include professional engineers with subject-matter expertise in the development of AI regulations and guidelines, and to prioritize finding solutions to ethical issues such as unintended biases.

New Contract Documents Released. NSPE's joint venture, the Engineers Joint Contract Documents Committee has released two new documents from its Engineering Series:

- The 2020 edition of the EJCDC E-500, Agreement Between Owner and Engineer for Professional Services, and
- The 2020 edition of the <u>EJCDC E-570</u>, <u>Agreement Between Engineer and Subconsultant for Professional Services</u>.

EJCDC documents available to NSPE members at a 50% discount.

COVID-19 Related Information. Current and updated information on <u>NSPE's coronavirus (Covid-19) resources</u> is always available on the website.

NSPE remains open for business and is aggressively delivering support and value to our members, customers, and state societies, not only in direct response to Covid-19 challenges, but also in advancing the Society's vision and mission and serving our constituents' professional needs.

Stay safe. Stay strong. We will get through this.

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The Anticipation is Killing Me!

One of the great things about E Week is that it is followed up shortly after with the Annual SDES Conference. That means that after the Chapter award winners are announced, we only have a little over a month to wait until

we find out the State award winners at the Annual Awards Luncheon. Unfortunately, the Annual Conference was postponed at the last minute this year and the SDES Executive Board and Conference Committee decided to wait until the rescheduled conference in September to announce the State winners. So it's kind of like waking up on Christmas morning, running down stairs and being told you have to wait until July to open your presents! While we wait, please join us in celebrating these well deserving Chapter award winners!

Young Engineer of the Year—Chapter Awards



Brett Belzer, PE RESPEC Black Hills Chapter



Joseph Stonesifer, PE, CFM
City of Harrisburg
Eastern Chapter

Engineer of the Year—Chapter Awards



Jason Hinds, PE FMG Engineering Black Hills Chapter



Teri Morford, PE
South Dakota
Department of Transportation
Central Chapter



Aaron Hartwell, PE Albertson Engineering Eastern Chapter

Outstanding Engineering Achievement—Chapter Awards



Yankton Collector Well and Water Treatment Plant Expansion

Engineering Firm: HDR Engineering, Inc.
Contributing Firms/Entities:
City of Yankton, SD, and GeoTek
Engineering & Testing Services, Inc.
Project Ownership: City of Yankton
Project Location: Yankton, SD

Eastern Chapter

Arc of Dreams

Engineering Firm:
Albertson Engineering Inc.
Contributing Firms/Entities: Dr. Dale
Lamphere, GeoTek Engineering &
Testing Services, Inc., and Rowan
Williams Davies & Irwin, Inc.
Project Ownership:
Sculpture Walk Sioux Falls
Project Location: Sioux Falls, SD

Eastern Chapter





VRC Metal Systems Headquarters

Engineering Firm: FourFront Design Contributing Firms: Albertson Engineering, West Plains Engineering and Scull Construction Services Project Ownership:

VRC Metal Systems
Project Location: Box Elder, SD

Black Hills Chapter

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Engineers Week Events

Our SDES Chapter members are busy with events all year around, but there is nothing like Engineers Week to bring out the best in us all. From donating time and dollars to communities in need, to celebrating our industry's finest engineers and projects, to inspiring future engineers — Engineers Week is full of activity. Here are just a few snapshots from the week.



Nate Buscher and Kristen Hendricks co-chaired the Central Chapter's E week activities, including the Chapter's hosting of a Free Day at the SD Discovery Center. The Free Engineers' Day is the Central Chapter's to engineering outreach activity of the year. Although it takes a lot of work and volunteers, it is always a great day connecting local families with engineering. Thanks to all the volunteers who make this an excellent day!



The Central Chapter Blood Drive, chaired by Patrick Wellner, collected 46 units of blood, matching last year's record. Thanks to everyone who donated blood, helped at the sign in table or brought treats!







Many hands make light the work as the Eastern Chapter helped serve breakfast at the Banquet in Sioux Falls. Such a beneficial act of service for this Sioux Falls community in need of warm meal to start their day off right!

Mark Your Calendars for Engineers Week February 21-27, 2021!





SCHOLARSHIPS

Future Engineers received scholarships at both the Black Hills and Eastern Chapter Banquets.

Top: Jody Page Leadership Scholarship Winner Samuel Ryckman & BH Chapter President Brett Belzer.

Middle Left: Eastern Chapter Scholarship Winner Jared Dale

Middle Right: Eastern Chapter Scholarship Winner Riley Van Den Top

Bottom: Eastern Chapter Scholarship Winner Rose Eitemiller with Eastern Chapter Scholarship Chair Lance Mayer.



Metallurgical Engineer Robert Mudge, co-founder and leader of RPM Companies, shared his insight on employing technology as a key component in the success of his companies at the Black Hills Chapter Engineers Week Luncheon and Awards Gala.

Engineers Week Events (continued



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MATHCOUNTS State and National Events Cancelled Due to COVID-19

After having to reschedule last year's state MATHCOUNTS competition due to a blizzard, SDES MATHCOUNTS Coordinator Jesse Morris was looking forward to this year's event going forward as planned. Of course, that was life before the pandemic....

On March 12th, two days before the scheduled South Dakota State competition, the MATHCOUNTS national office decided to cancel all remaining state competitions due to the COVID-19 outbreak. With the spread of the virus, the decision to cancel the national competition followed out of concern for participants' health and in compliance with the CDC recommendation, at that time, to restrict gatherings of 50 or more people. MATHCOUNTS shared in the incredible disappointment the decision brought to the entire MATHCOUNTS community, but congratulated the Mathletes® on the skills and friendships built through the program.



Yankton Middle School Mathletes® from Yankton, SD.



SPRINT ROUND TESTING

Mathletes prepare for the Sprint Round at the Black Hills Chapter competition in Rapid City, SD. All of South Dakota's Chapter competitions had been completed and the Mathletes® were in the last throws of prepping for the state competition when the announcement came from national. Unfortunately for the students and coaches, they won't get the opportunity to compete at state or experience the thrill of the national competition, but the Black Hills, Southeast and Northeast Chapter events are all challenging and exciting competitions with amazing Mathletes® giving it their all.

These opportunities for the students are made possible through the numerous MATHCOUNTS Chairs, volunteers and sponsors that work hard throughout the year to make the events successful for the Mathletes. Thank you to State Chair Jesse Morris, Southeast Chair Krista May, Northeast Chair Jason Unruh, Black Hills Co-Chairs Seth Keene and Bill Huber, and all the volunteers and sponsors across the state who make MATHCOUNTS a success in South Dakota.

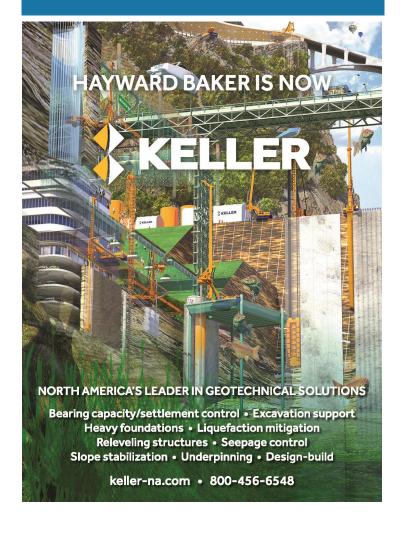
For more information on MATHCOUNTS or to volunteer contact Jesse Morris at 605.391.6449 or jesse.morris@dgr.com

MATHCOUNTS WEEK: MATHCOUNTS IS BRINGING THE COMPETITION SERIES

MATHCOUNTS isn't letting a little virus slow them down — they are bringing the competition online for everyone during MATHCOUNTS week, May 11 –15. Join a mashup of past countdown rounds, compete in an open MATHCOUNTS competition join the World's Largest Countdown Round! Find out more at https://www.mathcounts.org/programs/competition-series

About the 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, highquality 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 on Twitter.



Thank You, Keller, for your Gold Level Sponsorship of the South Dakota Engineering Society!

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South Dakota Engineering Society Annual Partnership & Sponsorship Opportunities

A Guide to Sponsorship Opportunities Throughout the Year





Annual Partnerships

The South Dakota Engineering Society (SDES) has several sponsorship and marketing opportunities throughout the year, including our Annual and Fall Conferences, *The South Dakota Engineer* quarterly newsletter, a soon to be introduced new website and other events. In order to streamline your sponsorship opportunities and to position your company to get the most outreach for your marketing investment, SDES is introducing Annual Partnership Packages.

Annual Silver Partnership: \$1100

- Logo/Business Card on the SDES website's homepage banner with recognition as a Silver Partner
- Recognition as a Silver Partner at the following:
 - Fall Conference: Logo & recognition as a Silver Partner on the conference website, in registration mailers, on signage, on the conference PowerPoint & announced recognition at the conference
 - Annual Spring Conference: Logo and recognition as a Silver Partner on the conference website, in registration mailers, on signage, on the conference PowerPoint & announced recognition at the conference
- 1 Annual Conference Registration
- 1 Fall Conference Registration
- Business Card Sized Ad in the SDES quarterly newsletter, The South Dakota Engineer

Annual Partnership & Sponsorship Opportunities (continued)

Annual Silver Partnership (continued)

- Business Card Sized Ad in the Annual Conference Program
- Recognition as a Silver Partner on the SDES website's Partner Page, with a link to your website

Annual Gold Partnership: \$1600

Includes all items in the Silver Partnership package, plus the following with recognition as a Gold Partner

- An additional Annual Conference Registration (2 Total)
- Annual Conference Exhibit Booth (Optional)
- Upgrade to a ¹/₄ page ad in The South Dakota Engineer
- Upgrade to a half page ad in the Annual Conference Program

Annual Platinum Partnership: \$2300

(Limit 2 per Year)

Includes all items in the Gold Partnership package, plus the following with recognition as a Platinum Partner

- An additional Fall Conference Registration (2 Total)
- Option to present a ½ hour PDH seminar at the Annual Conference. Must be an educational session worthy of .5 PDHs with prior approval by the conference board.
- Upgrade to a ½ page ad in The South Dakota Engineer
- Upgrade to a full-page ad in the Annual Conference Program, inside front or back cover.

Packages may be customized to better suit your company's needs.

Contact Nancy Hoines at 605.951.1004 or

sdengineeringsociety@gmail.com

for more information. Annual Partnership Packages run from July 1 – June 30 and will be prorated, as needed.

NSPE-SD

Sponsorship Opportunities

Annual Advertising Package: \$450

- Logo/Business Card on the SDES website's homepage
- Business Card Sized Ad in the SDES quarterly newsletter, The South Dakota Engineer*
- Business Card Sized Ad on the SDES website's Partner Page
- Business Card Sized Ad in the Annual Conference Program*

Conference Sponsorships

- Annual Conference Vendor Booth: \$375
- Annual Conference Program Advertisement

½ Page: \$75

■ ½ Page: \$100

Full Page: \$175

• Break Sponsor: \$100

• Breakfast Sponsor: \$200

• Lunch Sponsor: \$200

• Speaker Sponsor: \$100

Social Event Sponsor: \$300

Door Prize Sponsor: \$50

Other Sponsorships

Sponsorship opportunities are also available at the Chapter level. Please contact the SDES office and we will connect you with the appropriate contact at the Chapter level.

^{*}Upgraded ad sizes are available for the newsletter and Annual Conference Program

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Career Opportunities

For more than a century, **HDR** has partnered with clients to shape communities and push the boundaries of what's possible. Our expertise spans nearly 10,000 employees, in more than 200 locations around the world — and counting. From our offices in Sioux Falls and Rapid City, we provide engineering, environmental, ROW and construction services for projects of all sizes. We specialize in transportation and water/wastewater infrastructure solutions. Consistently ranked among Engineering News-Record's Top 10 Water Design firms, we approach

project work from an integrated perspective. **HDR is currently in need of a Transportation Project Manager** (#157065) to work as a member of our rapidly growing transportation group in Sioux Falls. For more information on this position, visit the SDES website Job Openings page.



The City of Pierre, SD, has an opening for a Staff Engineer. The Staff Engineer will assist the City Engineer in providing technical services related to City of Pierre infrastructure projects. This position also assists Building Officials in plan review and issuing Building Permits. Duties include project feasibility analysis, municipal infrastructure project design & review and construction project administration. For more information on this position, visit the SDES website Job Openings page.

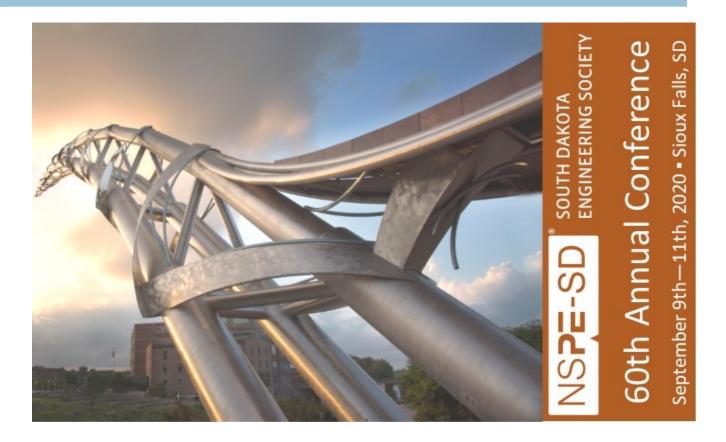
Job Opportunities are posted with the information supplied to SDES by the firm or agency and is accurate to the best of our knowledge. It is the responsibility of the Job Seeker to verify all information regarding application and availability with the advertising firm or agency. SDES takes no responsibility for missed deadlines or errors in the application process.



Thank You to Our Sponsors!

If you would like to advertise in the South Dakota Engineer, see pages 18 and 19 of this newsletter for more information or contact Nancy in the SDES office at 605.951.1004 or sdengineeringsociety@gmail.com





SDES 2019-2020 Leadership Team

2019-2020 OFFICERS

Past President: Ryan Johnson, PE President: Andrew Bruels, PE President-Elect: Jason Hinds, PE Secretary/Treasurer: Gabe Laber, PE

Black Hills Chapter State Director: Stacia Slowey, PD Black Hills Chapter President: Brett Belzer, PE Central Chapter State Director: Kayla Fawcett Central Chapter President: Kellie Buscher, PE Eastern Chapter State Director: Devin Clay, PE Eastern Chapter President: Krista May, PE

2018-2019 COMMITTEE CHAIRPERSONS

Awards: Bradley Ludens, PE Design Professionals Coalition:

Laurie Schultz, PE and Ray Pierson, PE

Endowment Promotion: TJ Yerdon, PE **Licensure:** Brian Jenner, PE

MATHCOUNTS: Jesse Morris, PE Membership: Nancy Hoines, RLA Nominations: Ryan Johnson, PE

SD Local Transportation Assistance Program:

Jason Kjenstad, PE

University and Public Relations:

Kari Johnson, PE, and Christopher Shearer, Ph.D.

EXECUTIVE DIRECTOR

Nancy Hoines, RLA



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.

South Dakota Engineering Society
Nancy Hoines, Executive Director
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605.951.1004