

The South Dakota Engineer



Presidential Postings

Hello! Since this is my first Posting as your new 2019-2020 SDES President, I'd like to begin by introducing myself. My name is Andy Bruels and I'm writing you from Pierre, where I am an Engineering Manager for the SD Department of Environment and Natural Resources. Although I've been in Pierre since 2009, I'm originally from Winona, Minnesota, and received my B.S. in Civil Engineering at Minnesota State University—Mankato. My wife Stacy and I have been married for nearly 10 years and have two children—Aaron (nearly 3) and Cassidy (almost 1)— and two Labrador retrievers. Although my free time is very busy with family and doing home remodeling projects, I also enjoy being involved in Pierre's recreational sports leagues. I know many of you from work and my involvement with SDES, but look forward to getting to know you all better over the next year.

As a member of the Central Chapter, I've always enjoyed being involved in our Chapter's Discovery Center and Engineers Week Committees. In addition to giving me many occasions to volunteer and be involved in my community, SDES has provided numerous opportunities to network and earn the PDHs necessary to maintain my PE license. Due to such rewarding experiences with SDES, it wasn't hard for me to accept the nomination to serve as a state officer and I look forward to being your President this year. As I set my goals for the year, I'd like to continue to encourage new members to join and become active in the Society. However, in order to build our organization and draw in new members, we need to continually build the value of membership. As we wrap up a year of transition, with both a new membership model and a new executive director, I'm eager to promote new opportunities for involvement for all our members, as we continue to advance the engineering profession.

Before we kick off the new year, though, I'd like to take a few minutes to wrap up the events of 2018-2019. I was officially sworn in as President, along with the other new state and chapter officer teams, at the 59th Annual SDES Conference at the very end of April. You'll find some more information on the other new officers on the following pages. Thank you, in advance, to all these volunteer leaders who will be working hard for our membership this next year. A special thank you to Phil Gundvaldson, who is leaving the SDES Board after numerous years of service — but has already accepted a new role on the NSPE Candidate Screening Committee. And, thank you to Past President Ryan Johnson for leading us through this year of change with both NSPE and SDES.

A big 'CONGRATULATIONS' is in order for our SDES Young Engineer of the Year, Krista May; our SDES Engineer of the Year, Lance Weatherly, and our SDES/ACEC Outstanding Engineering Achievement, the Big Sioux River Flood Information System submitted by RESPEC and client, SD DENR. Please be sure to congratulate these engineers and project teams when you see them.

And last, thank you to the Central Chapter and the exceptional Annual Conference Planning Committee who put on another great SDES Conference in Pierre. It's hard to beat a tour of the Oahe Dam and a river boat cruise on the same day! With a diverse group of topics, there was something for everyone. Thanks, also, to all of you who joined us for the event — it's always great to get together with you all!

Speaking of conferences, Jason Hinds, Nancy Hoines and I will be kicking off the new NSPE year by heading off to Kansas City for PECON, the annual NSPE Conference. We will do our best to represent SDES and will bring back all the news from national.

Again, I look forward to the year ahead for SDES. Please, don't ever hesitate to pick up the phone and reach out if I can ever answer a question, help with a problem or be of assistance. Have a safe summer!

Andy Bruels, PE, 2019-2020 SDES President

Meet Your New SDES and Chapter Leadership Teams!

As Andy mentioned in his opening comments, the 2019-2020 SDES and Chapter leadership teams were sworn into office by NSPE Past President Tom Roberts at the Annual SDES Conference in Pierre on April 25th. Thank you to all the outgoing officers who volunteered your time and leadership skills to serve our state and chapter organizations. And, thank you to our new officers for stepping in to fill these new leadership roles for the upcoming year. As we mentioned in the last newsletter, if you are ever interested in joining a committee, serving as a committee chair or wish to take on a leadership role, please reach out to a state or chapter leader or Nancy Hoines for information on how to get involved.

President Andy Bruels introduced himself in his Postings, [so let's meet the rest of the SDES Executive Board....](#)



**SDES Past President/
Nominations Committee Chair
Ryan Johnson, PE**

Day Job: Principal Engineer—
Water Reclamation, City of Sioux
Falls

Degree: BS Civil Engineering,
South Dakota State University

SDES Chapter: Eastern

Other Offices Held: Eastern Chapter VP, Pres. Elect, Pres., Chapter Director, SDES VP, Pres. Elect and Pres.

Name 3 Personal/Professional Benefits you've received from being involved in SDES: Serving gave me an opportunity to meet and network with great people locally, regionally and nationally. I learned more about listening, working with others, and respecting different opinions. Lastly, I learned more about asking for help when you need it and a greater appreciation for those that volunteer.

What hot button items would you like to see SDES accomplish during your term: My term as president is over, but as President, my goal was find highly qualified, hardworking and driven board members and an Executive Director to provide exceptional value to its members. Mission accomplished (I think)!

Tell us a little about yourself: Although we currently live in Dell Rapids, I grew up on a farm south of Madison, SD. I graduated High School in 1994 and college in 2003. No, I'm not a doctor! After college, I went to work for HR Green in Sioux Falls. I was hired by the City of Sioux Falls in June of 2011. A month later I got married and had a son three years later. Both are the highlights of my life. I love hunting, especially bow hunting.

If I won a million dollars: I'd find a way to continue engineering, something I thoroughly enjoy, on a part time basis and farm with my brother until the money was gone. Then go back to engineering!

**SDES President-Elect /NSPE
House of Delegates
Representative Jason Hinds, PE**

Day Job: Project Engineer, FMG
Engineering, Rapid City

Degree: BS Civil Engineering,
Montana State University—
Bozeman



SDES Chapter: Black Hills

Other Offices Held: Black Hills Chapter State Director

Name 3 Personal/Professional Benefits you've received from being involved in SDES: Networking with other engineers, keeping up to date on the latest engineering advances through conferences and PDH opportunities, and helping the communities we live in through MATHCOUNTS and other organizations or causes.

What hot button items would you like to see SDES accomplish during your term: I'd like to continue to grow our membership and accomplish better brand recognition for SDES/NSPE-SD.

Tell us a little about yourself: I'm originally from Aberdeen, SD, and graduated from Aberdeen High School. My wife, Sarah, works at an OB Clinic and we have two daughters — Lydia (3) and Allison (1). My hobbies include skiing, fishing, camping, changing diapers, etc.

The SDES Vice President rotates from Chapter to Chapter. The next Vice President will come from the Central Chapter. Are you interested or know someone who would be a great leader? If so, contact Nominations Chair Ryan Johnson.



SDES Vice President
Jon Wiegand, PE

Day Job: Planning Project Manager, HDR, Sioux Falls

Degrees: BS Civil Engineering, South Dakota State University, MS Iowa State University

SDES Chapter: Eastern

Other Offices Held: Eastern Chapter President

Name 3 Personal/Professional Benefits you've received from being involved in SDES: SDES has accentuated my understanding of the importance of professional licensure. Being involved has given me the opportunity to meet and work with several engineers across various disciplines and specialties within civil engineering. Since my interest and role is focused on traffic and planning, I don't get a chance to work with engineers in other disciplines such as water, wastewater, etc. SDES also provides a great opportunity to give back to the engineering profession and community.

What hot button items would you like to see SDES accomplish during your term: Being new to the Executive Board, I look forward to getting acclimated to the business of the state organization and working with the rest of the team to identify and address our priorities.

Tell us a little about yourself: I grew up in Grand Island, NE, and, prior to moving to Sioux Falls, held a variety of positions with City, State and Federal governments. My wife, Michelle, and I have three children—Braelynn (8), Amelia (6) and Lucas (4). Time outside of work generally involves the kids' events and yard work but, when there is some free time, my hobbies include golf, bicycling, sporting events and horse racing.



SDES Secretary/Treasurer
Gabe Laber, PE

Day Job: Senior Project Manager Water/Wastewater, HDR, Sioux Falls

Degree: BS Civil Engineering, SD School of Mines & Technology

SDES Chapter: Eastern

Other Offices Held: Eastern Chapter VP & Event Coordinator

Name 3 Personal/Professional Benefits you've received from being involved in SDES: For me, it's the networking, getting to know other engineers on a personal level and not just the work side. I also enjoy the PDHs I get and learning about new things. I like being involved with this organization and being able to give back. I know everyone is busy, but I want to help continue to grow our organization and help it move forward.

What hot button items would you like to see SDES accomplish during your term: Membership value is important to me. I'm excited to have Nancy on board for her second year and to see how we can move our group forward.

Tell us a little about yourself: I'm originally from Parkston, SD, and currently live in Brandon. My wife, Kristi, and I have eight year old boy/girl twins, Briley and Brayden. I enjoy hunting and watching our kids participate in all kinds of activities (baseball, softball, hockey, soccer, football, basketball, dance).

Tell us something people may not know about you: I broke my wrist pole vaulting in my junior year of college. I was able to get a medical red shirt, allowing me another year of eligibility. My fifth year of college, I transferred to USD to take business classes and compete on the track team with my sister, who was a freshman. Then, I transferred back at the end of the year.

SDES 2019-2020 Leadership Team

OFFICERS

- Past President:** Ryan Johnson, PE
- President:** Andy Bruels, PE
- President-Elect:** Jon Wiegand, PE
- Secretary/Treasurer:** Gabe Laber, PE
- Black Hills Chapter State Director:** Stacia Slowey, PE
- Black Hills Chapter President:** Brett Belzer, PE
- Central Chapter State Director:** Kayla Fawcett
- Central Chapter President:** Kelli Buscher, PE
- Eastern Chapter State Director:** Devin Clay, PE
- Eastern Chapter President:** Krista May, PE

EXECUTIVE DIRECTOR

Nancy Hoines, RLA

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:** Duane Boice, PE, and Christopher Shearer, Ph.D.

SDES and Chapter Leadership Teams (continued)....

Below: A very serious group of new state and chapter officers take their oath in front of their peers, during the lunch session at the annual conference. Left to right are: NSPE Past President Tom Roberts, SDES President Andy Bruels, SDES President Elect Jason Hinds, SDES Secretary/Treasurer Gabe Laber, Black Hills Chapter Past President Rick Bell, Central Chapter (CC) Past President Kyle Kurth, CC President Kelli Buscher, CC 1st Vice President John Ullmann, CC 2nd Vice President Kathleen Grigg, CC Secretary/Treasurer Brandon Carda, CC State Director Kayla Fawcett, Eastern Chapter (EC) President Krista May and EC Past President Lance Weatherly.



NSPE-SD® BLACK HILLS CHAPTER SOUTH DAKOTA ENGINEERING SOCIETY

2019-2020 Leadership Team

Past President: Rick Bell, PE
President: Brett Belzer, PE
President Elect: Doug Noyes, PE
Vice President: Rachel Caesar, FE
Secretary/Treasurer: Chris Bailey, PE
State Director: Stacia Slowey, PE

NSPE-SD® EASTERN CHAPTER SOUTH DAKOTA ENGINEERING SOCIETY

2019-2020 Leadership Team

Past President: Lance Weatherly, PE
President: Krista May, PE
President Elect: Ben Scholtz, PE
Vice President: Gabe Laber, PE
Secretary/Treasurer: Joshua Peterson, PE
State Director: Devin Clay, PE

NSPE-SD® CENTRAL CHAPTER SOUTH DAKOTA ENGINEERING SOCIETY

2019-2020 Leadership Team

Past President: Kyle Kurth
President: Kelli Buscher, PE
1st Vice President: John Ullmann, PE
2nd Vice President: Kathleen Grigg
Secretary/Treasurer: Brandon Carda, FE
State Director: Kayla Fawcett

Gundvaldson Elected to NSPE Candidate Screening Committee

Phil Gundvaldson, PE, a partner in Infrastructure Design Group, Inc. and past SDES President, has been elected to serve as therepresentative on the NSPE Candidate Screening Committee (CSC). The CSC is tasked with reviewing the nominations for national officers, interviewing the nominees and screening and evaluating the qualifications of the nominees for office. Typically, the candidates being screened are for the offices of NSPE President-Elect and NSPE Treasurer. The screening process is meant to insure the candidates have the necessary credentials, experience and personality needed to serve in these national roles. The Committee is typically chaired by the NSPE Past President and is composed of six licensed NSPE members representing each of the six regions.

Gundvaldson will serve a one-year term on the national committee and was elected from four candidates to represent the North Central Region of NSPE membership. The North Central Region is comprised of Kansas, Minnesota, Missouri, Nebraska, North Dakota and South Dakota.

Congratulations, Phil, on being elected to this national role. Thank you for your willingness to serve and represent the region!

SDES Leadership to Attend PECON in Kansas City

SDES President Andy Bruels, President Elect Jason Hinds and Executive Director Nancy Hoines will be representing NSPE-SD/SDES at the Professional Engineers Conference (PECON) in Kansas City, July 17-21. Hinds also serves as the House of Delegates representative for NSPE-SD/SDES and will cast South Dakota’s vote in the House of Delegates meeting during the Conference. In addition to meeting with leadership from other states, the trio will also attend the North Central Region’s meeting during the conference. Hoines will also participate in the State Society Executive Council meetings with other state executives.

If any other members are attending the conference, please let Nancy Hoines know, so we can all get together in Kansas City.

#PECON19



REGISTER TODAY

PROFESSIONAL
ENGINEERS
CONFERENCE

JULY 17-21, 2019

KANSAS CITY

MARRIOTT DOWNTOWN

register today >> www.nspe.org/pe-conference

SDES 59th Annual Conference is Another Great Success!

Thanks to a great planning committee, a wide range of topics and events and the attendance of over 160 engineers, vendors, speakers and other interested folks — the SDES 59th Annual Conference in Pierre was educational, but also had lots of opportunities for fun and catching up with old friends! Although the conference is one of the biggest offerings for PDHs during the year, it is also a chance to recognize our successes, gather as the South Dakota Engineering Society and enjoy the company of our colleagues and fellow engineers. The next few pages highlight some of the people and events from this year's conference. See you at our 60th Annual Conference next year in Sioux Falls!



Senator Mike Rounds delivers the Keynote Address to a packed lunch crowd.



Our Vendors provide valuable information on their products to conference attendees, adding to the educational benefits of our conference.

THE CONFERENCE BY THE NUMBERS

- 1 Great Hospitality Room to Kick Off the Conference
- 1 Mayor welcoming Conference Attendees to Pierre
- 1 of our 2 Senators giving the Keynote Address
- 21 Speakers sharing their Knowledge
- 13 Advertisers gracing the Pages of our Program
- 13 Sponsors making it all Possible
- 14 Vendors sharing their New Products
- 48 People enjoying the Social Hour and Missouri River Cruise aboard The Sunset
- 87 Oahe Dam Tour Attendees filling 3 Buses to the Brim
- 135 Registered Attendees earning PDHs, building relationships and having a little fun in Pierre

Thank You 2019 Annual Conference Committee!

- ◆ Andy Bruels, PE
- ◆ Kelli Buscher, PE
- ◆ Kayla Fawcett
- ◆ Kathleen Grigg
- ◆ Drew Huisken, PE
- ◆ Kyle Kurth
- ◆ Steve Pirner, PE
- ◆ Allen Prince
- ◆ Kristine Schlomer, PE
- ◆ Kailey Selby
- ◆ John Ullmann, PE
- ◆ Jim Wendte, PE
- ◆ Kent Woodmansey, PE



Phubet Chaiboonruang and Black Hills Chapter Past President Rick Bell enjoy the delicious appetizers, provided by Chops, and the beautiful spring weather aboard The Sunset paddlewheeler on the Missouri River.



Dave Huft, SDDOT, shares his insight on the Impacts of Electric, Connected & Automated Vehicles.



Jackie Lanning, Krista May, Laurie Schultz and Kelli Buscher exemplified the 'social' aspect of the cruise!

Congratulations 2018-2019 SDES and ACEC Award Recipients!

Every year SDES chooses to recognize two engineers from its membership for their achievements. The Young Engineer of the Year Award is presented to a member in good standing who is 34 or younger and has made outstanding contributions to the engineering profession and their communities during the early years of their career. The Engineer of the Year Award is presented to an SDES member who has made outstanding contributions to the engineering profession, the public welfare and/or humankind. Both of these awards are based on such elements as Education, Professional Society Activities, Professional Society Activities, Civil and Humanitarian Activities, Engineering Achievement and Professional Experience. Our documented list of these awards goes back for decades and includes many distinguished members of SDES.

In addition, SDES has also joined with the American Council of Engineering Companies of South Dakota (ACEC/SD) to present the SDES—ACEC/SD Joint Award for Outstanding Engineering Achievement. This award acknowledges the accomplishments of the engineering profession. These engineering achievements have captured the innovative and dynamic spirit of a profession dedicated to public service. These projects are selected for their contribution in meeting a human or social need and are awarded on their Application of Engineering Principles, Originality and Innovation, Complexity, Social Significance and Economic Impact.

Thank you to Brad Ludens, SDES Awards Committee Chair; Wes Philips, Eastern Chapter Awards Committee Chair; Kent Woodmansey, Central Chapter Awards Committee Chair; Anne Winckel, Black Hills Awards Committee Chair; and ACEC/SD Awards Representatives Stangohr and Monty Miller for all their work on the reviewing the applications and serving on the Awards Committee.

Congratulations to this year's award winners!

2018-2019 SDES Young Engineer of the Year: Krista May, PE



Krista May accepting her SDES Young Engineer of the Year Award.

Krista May is a Project Engineer at Infrastructure Design Group, Inc. of Sioux Falls. Krista received her Bachelor of Science degree in Civil Engineering from South Dakota State University.

Krista has played the lead engineering role for multiple large-scale complex projects in her 8 year career. Her lead role includes roadway design, traffic control, lighting and signals, traffic impact studies, drainage, erosion control, water main, pavement marking, signage, and sanitary sewer. Krista has been involved in nearly \$130 million worth of civil engineering projects.

In addition, Krista is involved in numerous professional and community organizations including: Alpha Omega Epsilon (AOE) (President), MATHCOUNTS Competition (SE South Dakota Chairperson), SD Engineering Society (Eastern Chapter President), American Society of Civil Engineers (ASCE), Young Professionals Network (YPN) and Sioux Empire United Way (Emerging Leaders Advisory Committee).

Krista likes to read, attend theater productions and attend her cousins' sporting events.

(Written by Wes Philips)

2018-2019 SDES Engineer of the Year: Lance Weatherly, PE

Lance Weatherly is a Principal Engineer for the City of Sioux Falls providing engineering support for the Public Works Stormwater division. Lance is responsible for the planning and execution of the \$44 million Stormwater Capital Improvements Program to improve neighborhoods and promote comprehensive growth.

Lance’s professional career has spanned 15 years in the private and public sectors in Eastern South Dakota. Lance has Bachelor and Master of Science degrees in Civil Engineering from South Dakota State University and a Master of Business Administration from the University of South Dakota. Lance obtained his professional engineer licensure in 2008 and is licensed in South Dakota.

Lance is active in the South Dakota Engineering Society, having served in different leadership roles and is the current president of the Eastern Chapter. Lance enjoys giving back personally and professionally to the Sioux Falls community and mentoring the upcoming generation of professional engineers.

Lance enjoys spending time with his family and traveling to explore new cultures.

(Written by Wes Philips)



Brad Ludens presenting Lance Weatherly with the SDES Engineer of the Year Award.

2018-2019 SDES—ACEC/SD Award for Outstanding Engineering Achievement: Big Sioux River Flood Information System

The Big Sioux River Basin in eastern South Dakota has experienced repeated flooding in recent years. In 2014, a major flood in the lower basin revealed shortcomings in understanding and predicting flood-event behavior. In 2016, the State of South Dakota commissioned the development of the Big Sioux River Flood Information System.

The Flood Information System is a two-part web platform including access for the public and flood-response teams. The first part is a public site <http://www.bigsiouxfis.org/> with access to stream conditions at over 50 locations throughout the Big Sioux River Basin and a library of over 8,000 inundation maps, representing flood scenarios for five different communities. The second part is a site reserved for state and community officials and includes access to real-time flood inundation forecasts. When flood events are predicted, the hydro-logic output is run through models and predicted inundation maps are loaded to the web platform. The Flood Information System provides the public with an understanding of potential flood risks and gives flood-response teams accurate information for decision making during flood events. Already in 2018, the system has proven its value during two separate events near North Sioux City. As significant amounts of rain fell over parts of the basin upstream, there was a lot of uncertainty in the severity of flooding that may occur. The Flood Information System predicted less-severe impacts than previous forecasting methods. Flood response managers had the confidence to hold off any drastic measures well in advance. The Flood Information System predictions held true, accurate to within 0.1 feet of observed flood stage.

The total project cost was \$1.3 million. *(Written by Wes Philips)*



Big Sioux River Flood Information System Team

Engineering Firm: RESPEC
 Contributing Firms: Banner Associates, David Ford and the Iowa Flood Center
 Project Ownership: SD DENR

Brad Ludens presents the Outstanding Engineering Achievement Award to project team members Jason Love, RESPEC; Tim Cowman, SD DENR; and Peter Rausch, RESPEC.

2019 SDES Fall PDH Conference—October 3rd: Call for Speakers



The Black Hills Chapter is once again hard at work planning the SDES Fall PDH Conference and needs your help! Chapter President and Conference Chair Brett Belzer reports the committee is busy working on the details for the conference which will be held Thursday, October 3rd at the Hilton Garden Inn in Rapid City.

One of the biggest items on the planning list is finalizing speakers for the conference. **If you have an interesting project or topic you or your**

firm would like to present at the conference, please reach out to [Brett Belzer](#). Or, if there is a topic that you are interested in or have heard a presentation on that you think would be of interest to your fellow SDES members, please let Brett know.

Please submit your conference ideas to [Brett](#) by Friday, July 5th.

Thanks for your help! We look forward to seeing you in Rapid City on October 3rd!

NSPE Strategic Plan: Vision, Mission, Values and Goals

As you've read in previous newsletters, the National Society of Professional Engineers (NSPE) has spent the last year gathering input and working on a new Strategic Plan for the organization. Strategic planning is an arduous task and many NSPE members, staff and others have been involved in the process. The Strategic Plan will be the roadmap for NSPE as we move into the future.

Recently, SDES President-Elect and House of Delegates (HoD) Representative Jason Hinds was introduced to the first part of the Plan, including the Vision, Mission, Values and Goals (VMVG) and asked to comment on the draft versions of these items. As South Dakota's House of Delegates representative, Jason is our voting delegate for all NSPE official business items and casts our vote, when required, on any ballots.

As the VMVG were introduced to the HoD members, several members expressed concern with NSPE's proposal that the VMVG were to be voted on in a week. Jason shared this concern on behalf of South Dakota, as the short time frame did not give sufficient time to share the VMVG with our members, gather comments and make any edits prior to the vote. A number of other comments were also made by HoD representatives from across the country, including concerns over the wording of the Vision statement and the use of 'qualified & ethically accountable professionals' instead of 'licensed professionals' and some of the items regarding NICET certification, to name a few.

Despite several requests to delay the vote, NSPE proceeded with the extremely short schedule and called for a HoD vote a week after the document had been issued. On behalf of NSPE-SD, Jason voted 'no' in order to hopefully defeat the ballot and allow for more comment time from our members. In the end, the vote passed 58-21 to approve the VMVG as written.

At this point, we do not know if any comments from members will be considered, but we would like to be prepared in the event NSPE accepts additional input on the document. Please review the VMVG statement below and submit your comments to Nancy Hoines by July 5th. We will compile the comments and submit them to NSPE as appropriate. If you have any additional questions on the process or the Strategic Planning process, please reach out to [Jason Hinds](#) or [Nancy Hoines](#).

The NSPE Strategic Plan Vision, Mission, Values and Goals, voted on by the House of Delegates last week, can be found on the following page.

NSPE Proposed Revised Mission and Vision

OUR VISION		
A world where the public can be confident that engineering decisions affecting their lives are made by qualified & ethically accountable professionals.		
OUR MISSION		
To foster licensed professional engineers in service to society.		
OUR VALUES		
Ethics & Accountability	Qualifications	Professional Advancement
Public health, safety, & welfare above all other considerations.	Professional standards & qualifications across the engineering team.	Assisting individuals in becoming licensed or appropriately certified.
Recognized and authoritative expertise in licensure, ethics, and professional practice.	Commitment to the PE as the standard of practice for professional engineering.	Continuous learning for professional growth.
Innovation to ensure the changing & future needs of the public are met.	Commitment to NICET certification as the standard of practice for technicians.	Exchange & advancement of knowledge in matters of concern to the profession & to its relations with the outside world.
		Teamwork, unity, & fellowship across all disciplines & all levels of the engineering team.
		Diversity & inclusion, ensuring the profession is a reflection of society.
		A single, integrated membership supported by seamless services provided through state and national societies and local chapters.
OUR GOALS		
Growth in mission impact at all levels of the organization.		
Increased public recognition of the value of competent & ethical engineering.		
Increased membership and participation across all programs: Engaging more people and engaging them more fully.		
Maximized synergy: Value created anywhere in the system benefits everyone in the system.		
Financial sustainability for national, state societies, and NICET certifications.		

News from NSPE

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

Exemptions to Engineering Licensure Laws: NSPE has updated [this report](#), with information current as of May 2019. It is free for members.

Take Action on Licensure Exemption Bills: It's imperative that lawmakers hear from their professional engineering constituents who [support bills](#) in the US House and Senate seeking to eliminate licensure exemptions in public utility pipeline work. Register in NSPE's [Legislative Action Center](#). A purely anecdotal, but telling comment on this topic was made by a member at the New York State Society of Professional, who observed that in that state, "I have a water line, an electrical line, a sewer line and a gas line coming into my house. The only one that doesn't require a PE is the one that can blow up." The comment was pushed to Twitter and quickly spread across social media.

Alaska Society Takes On Industrial Exemption: Regular readers of these updates will have followed various changes going through state and national legislatures to [eliminate PE exemptions](#) after the Massachusetts residential gas explosions. ([A national day of visits to legislators](#) to bring attention to pending federal legislation is planned for PE Day this year, August 7.) In Alaska, the architects, engineers, and land surveyors licensing board had a recent discussion about a scenario where engineering work was being done by one entity for poles that serve two different utilities: power and communications. Poles that are used solely by utilities are exempt from licensure requirements. The Alaska Society of Professional Engineers, our state affiliate, has contacted its members to build support for eliminating these exemptions and a requirement that all poles that serve the public require engineering be done by licensed professionals. This grassroots efforts recognizes that only if demanded by then public will beneficial expansion of PE licensure requirements be achieved.

Florida Governor Signs Licensing Law Amendments: Governor Ron DeSantis approved modifications to the law, including:

- Requiring successor engineers to assume full responsibility when assuming the work of another engineer and releases an original engineer from liability for prior work assumed by the successor engineer;
- Prohibiting a local government from contracting for construction engineering inspections with the same entities that perform design services on the same project when a project is wholly or partially funded by the state department of transportation;
- Allowing graduates with a bachelor of science degree in engineering to sit for the PE exam prior to completing the four-year experience requirement (four years of experience is still required before the license is approved);
- Allowing graduates with a bachelor's degree in engineering technology to obtain a PE license with six years of experience; and
- Allowing the to accept applications from applicants with a voided license without completely repeating the initial application process.

For First Time, Survey Indicates Over Half of People Believe Autonomous Vehicles Will Be Safer than People-Driven Cars: According to a report in [Smart Cities Dive](#) a recent survey by the engineering firm HTNB indicates 51% of respondents "believe autonomous vehicles will be safer than people-driven vehicles," and 57% "would be willing to ride in them." The poll was based on a "nationwide sample of 1,018 Americans" and was conducted in April 2019. Additionally, 91% of respondents "said that AVs should be required to have a person on board who could override the automated driving software in case of emergency," and 63%"said they were concerned about protecting data generated by AVs."

Meanwhile, Cautions Against Rampant Optimism on Autonomous Vehicles: In a recent edition of [Forbes](#), Neil Winton says "claims that computer-driven cars for the mass market are just around the corner still linger despite compelling contrary evidence." With an estimated \$100 billion having been invested around the world by automakers seeking to develop autonomous vehicles, Winton expressed his view that fleets of autonomous ride-hailing vehicles are "probably up to 20 years away." Winton says the "cheerleading" suggesting that wide-scale deployment of autonomous vehicles is just around the corner distracts from the reality, in his view, that autonomous vehicles still face massive hurdles to becoming part of everyday life.

ATTENTION SDES State Only Members

SDES members who were grandfathered in under the old membership model and are only members of SDES and a chapter must keep their membership current in order to maintain their State Only membership states.

Please make sure your membership is up to date and current prior to June 30th or you will need to rejoin as a three tier, NSPE/SDES/Chapter member.

If you have any questions, contact [Nancy Hoines](#).

REMINDER NSPE/SDES/Chapter Members

Three tier or NSPE/SDES/Chapter members need to renew their membership through NSPE. Please watch your emails from NSPE to for your membership renewal.

If you have any questions, contact [Nancy Hoines](#).

Welcome New Members!

Please extend a warm welcome to our new members who have joined NSPE/SDES since our last newsletter:

Eastern Chapter

Aaron Aristeo, PE, POET Design & Construction
Allyn Brummel, EIT, City of Sioux Falls

Who do YOU know who isn't a Member?

Many of you have been enjoying the benefits of being an SDES member for years, but likely have friends or colleagues that have been missing out on the PDH opportunities, the relationship building and the professional and personal growth that SDES provides. SDES is a great way to introduce your new graduates and staff to other engineers in the state and with the new NSPE membership model, there are many benefits available that can help them prepare for the PE and learn about more aspects of engineering.

New members can sign up at [NSPE.org](#) or reach out to [Nancy Hoines](#) for assistance.

From the Society's Desk

As of June 14th, I have officially been your Executive Director for a year, which is hard to believe as this first year has truly flown by me. Some days, it has been like drinking through a fire hose. But, I'm glad to say that we've been through the majority of events and issues once now and are looking forward to all the new things we can start in this second year. As always, if you have ideas for improvements, new activities or thoughts on how we can continue to grow the organization — my phone is always on and my door is always open.

We are already working on planning both the Fall PDH Conference in Rapid City and the Annual Conference to be held next spring in Sioux Falls. I know both planning committees are looking for speakers and topics, so please reach out to the Black Hills and Eastern Chapters if you have some good ideas for those conferences.

Andy, Jason and I are looking forward to the NSPE Conference, PECON, coming up in July. I believe we are all headed to Kansas City armed with good discussion items, questions and ideas for how SDES and NSPE can work together better to serve our members. As NSPE finishes this first year under the new membership model, there are still some kinks to work out and Andy, Jason and I will be visiting with a lot of folks to discuss how the relationship between state and national can continue to improve and grow.

Summer is a busy time for everyone, but I hope to be able to meet with some small groups as we are continuing to improve our operating procedures and build the value of membership for all our members. I know this year's Executive Board is eager to keep moving ahead and building our organization. I look forward to continued growth in the new year.

Thank you to everyone who has made this transition a success. Here's to the new year!

Nancy Hoines, SDES Executive Director

SD LTAP 1st Annual Equipment & Product Demo Day

Come join us at our first annual Equipment and Product Demo Day. Enjoy the day looking at the newest and most up to date products and equipment. There will be learning opportunities with leading industry experts. Concurrent technical sessions will run throughout the day on a variety of highway maintenance topics. There will be live demonstrations and a chance for you to try out the latest and greatest.

Free to all counties, municipalities, townships, tribes, DOT employees and elected officials. **REGISTRATION is required by July 3rd** by calling LTAP @ 1-800-422-0129 or emailing SDLTAP@sdstate.edu

Please bring your safety vest or shirt for on the road demonstrations

Date: Wednesday July 17, 2019
 Location: Lincoln County Highway Shop
 28202 478th Ave, Canton, SD 57103
 Time: 9:00AM – 4:00PM
 Lunch: 11:30AM – 1:00 PM

VENDORS:

We urge equipment dealers to bring equipment for the participants to operate. Product suppliers, we want you to bring your new products as well as those which are already proven to work well in our climate. Engineering firms and testing firms are encouraged to attend and booth space will be available. We strongly encourage vendors to bring equipment to demo that is new and innovative with modern technology. The Lincoln County shop has room for displays and areas where equipment can be operated and demonstrated in the field. Please understand this is the first event of this type and we will need to work together to make it successful.



Vendor fee:

\$100

Sponsorship:

Gold Level \$500

Silver Level \$250

Your support of this event is greatly appreciated.

SD LTAP 1st Annual Equipment & Product Demo Day

Tentative Agenda Subject to Change

Tuesday, July 16th

2:00 pm – 4:30 pm - Outdoor Vendor set up (Large Equipment)

Wednesday, July 17th

7:00 am – 8:30 AM Indoor and Outdoor Vendor Setup

9:00 am - Show Begins

9:30 am - Cutting Edge Demo (County Shop-Gravel Road)

10:00 am - Plant Tour of Omega Liner Facility (Canton)

Meet at the Information Desk at 9:45am

10:30 am – Geotextiles and Geo-grids (Classroom)

11:15 am – Pipe Lining Demo (County Shop)

11:30 am – 1:00 pm – Lunch will be served

1:00 – 1:30 pm – Application of Dust Control (Classroom)

1:00 – 1:30 pm – Rejuvenator Demo (County Shop)

1:30 pm – Plant Tour of Omega Liner Facility (Canton)

Meet at the Information Desk at 1:15pm

1:45 pm – Crack Sealing & Mastic Demo (Canton)

2:30 pm – Pipe Liner Demo (County Shop)

2:45 pm – Dust Control Demo (County Shop-Gravel Road)

4:00 pm – Show Ends

Upcoming Events

- June 27, 2019, 1 p.m. CT: Board of Water and Natural Resources Meeting. Matthew Training Center, Joe Foss Building, Pierre, SD. More info at <https://boardsandcommissions.sd.gov/Meetings.aspx?BoardID=108>
- July 5, 2019: SDES Fall Conference Speaker Ideas due to Brett Belzer, Black Hills Chapter
- July 10, 2019, 3 p.m., CT: SDES Summer Board Meeting via Conference Call
- July 17-21, 2019: PECON, Kansas City Marriot, Downtown Kansas City
- July 31, 2019, 11 a.m. CT: 2019 Eastern SDES Annual Golf Outing, Brandon Municipal Golf Course
- August 7, 2019: Professional Engineers Day
- August 16, 2019: Central Chapter Annual Picnic, Campground 3, Pierre
- October 2, 2019: SDES Fall Board Meeting, Hilton Garden Inn, Rapid City
- October 3, 2019: SDES Fall PDH Conference, Hilton Garden Inn, Rapid City
- February 16-22, 2020: Engineers Week
- March 31, 2020: SDES Spring Board Meeting, Holiday Inn City Centre, Sioux Falls
- April 1-2, 2020: SDES 60th Annual Conference, Holiday Inn City Centre, Sioux Falls

Please contact Nancy Hoines to have your events added to the Upcoming Events section.



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
 PO Box 1076, Pierre SD 57501
sdengineeringsociety@gmail.com
 605.951.1004