



# The South Dakota Engineer

March 2017

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### SDES

2016-2017

### EXECUTIVE COMMITTEE

#### PRESIDENT

Brian Jenner, P.E.

#### PRESIDENT-ELECT

Philip Gundvaldson, P.E.

#### VICE PRESIDENT

Ryan Johnson, P.E.

#### SECRETARY-TREASURER

Steven Myer, P.E.

#### PAST PRESIDENT

Stacy Froelich, P.E.

## President's Message

Brian S. Jenner, PE      2016-2017 President

Greetings to you all!

I hope everyone was able to participate and assist with their respective Chapter Engineers Week Activities. It is a great time to get involved in shaping our future engineers and educate the public about engineering and the fantastic profession that it is.

Spring will be here soon and projects will get into full swing. The 2017 Annual Conference is approaching in April and will be hosted by the Black Hills Chapter. The conference will be held in Spearfish and be an enjoyable time to visit with friends and attend outstanding presentations. I hope you will be able to attend.

The State Board approved the 2017-2018 SDES Executive Board nominations. Phil Gundvaldson will be President, Ryan Johnson will be President-Elect, Andrew Bruels will be Vice President, and Steve Myer will be Secretary-Treasurer. There will be other state chair positions, state board positions, etc. changing hands too. Thank you all for your efforts in leadership of SDES! Your work helps us be successful.

Please get involved in your respective chapter and help us grow.

Thank you all for allowing me to be your President this last year! I look forward to seeing you again!

Thank you all again!

**SOUTH DAKOTA ENGINEERING SOCIETY  
57<sup>th</sup> ANNUAL CONFERENCE  
APRIL 26-28, 2017  
HOLIDAY INN SPEARFISH – CONVENTION CENTER**

Log on to [www.sdes.org](http://www.sdes.org) to register online or to print registration form

## 2017 Engineers Week Chapter Awards

### YOUNG ENGINEER OF THE YEAR

This award is established to recognize young SDES members who have made outstanding contributions to the engineering profession and their communities during the early years of their careers.

#### Black Hills Chapter

Stacia Slowey, EIT, HDR, Inc., Rapid City



James Warne, PE, Black Hills Chapter President, awards Stacia Slowey, EIT, the Black Hills Chapter 2016 Young Engineer of the Year.

#### Central Chapter

Kayla Fawcett, EIT, SD DENR, Pierre



Stacia Slowey, EIT, presented with the Central Chapter 2016 Young Engineer of the Year.

#### Eastern Chapter

Scott Lavoy, PE, SEH, Inc., Sioux Falls



Pictured right, on the left, is Scott Lavoy, PE, accepting the Eastern Chapter 2016 Young Engineer of the Year from Al Murra, PE, SEH, Inc.

## ENGINEER OF THE YEAR

This award is established to recognize SDES members who have made outstanding contributions to the engineering profession, the public welfare, and/or humankind.

**Black Hills Chapter**  
**Dan Coon, PE, City of Rapid City**



*Pictured are (l to r) Dan Coon, PE, and James Warne, PE, BH Chapter President*

**Eastern Chapter**  
**Monty Miller, PE, Sayre Associates, Inc.**  
**Sioux Falls**



**Central Chapter**  
**Mark Mayer, PE, SD DENR, Pierre**



**Eastern Chapter**  
**Joshua Peterson, PE, City of Sioux Falls**



*Pictured are (l to r) Mark Cotter, PE and Joshua Peterson, PE City of Sioux Falls*

# OUTSTANDING ENGINEERING ACHIEVEMENT AWARD

This award is established to acknowledge the accomplishments of the engineering profession. Each year SDES recognizes engineering achievements that have captured the innovative and dynamic spirit of a profession dedicated to public service.

## BLACK HILLS CHAPTER



Dignity Sculpture, Chamberlain, SD



(James Warne, PE, SDES BH Chapter President presented the Black Hills Chapter Outstanding Engineering Achievement Award to David Leppert, PE, and Justin Kepler, EIT, Albertson Engineering, Rapid City, SD)

# OUTSTANDING ENGINEERING ACHIEVEMENT AWARD

(Two awards were presented)

## EASTERN CHAPTER



**NORTH RAPID BOOSTER PUMP STATION PROJECT  
SUBMITTED BY BARTLETT & WEST**





**12 TH STREET BRIDGE REPLACEMENT PROJECT  
SUBMITTED BY HDR, INC.**



Thank you to all of the award recipients for your dedication and support to the betterment of our communities and great state.  
Congratulations to all!

**PROFESSIONAL ENGINEERS DAY**  
08.02.2017

**Professional Engineers Day**

[Home » Professional Engineers Day](#)

**Celebrate Licensure and the Profession with PEs Around the World on August 2, 2017 for the second annual Professional Engineers Day!**

[Learn more....](#)

## SOUTH DAKOTA ENGINEERING SOCIETY MEMBERS IN THE NEWS



### Rapid City, South Dakota – January 3, 2017

[Kristen Yates, PE](#) of American Engineering Testing, Inc. (AET) has been promoted to Office Manager of the Rapid City, South Dakota regional office. She will continue as a geotechnical project manager but will additionally be responsible for the Rapid City office including day to day management and business development. *“We look forward to Kristen taking on a larger role in the West Region,” said AET West Region Manager Robert Temme. “I know she is ready and up for the challenge as she assumes greater responsibility and grows with AET.”*

Starting her career with AET, Yates joined the Rapid City construction services department while obtaining her Bachelor of Science in Geological Engineering from the South Dakota School of Mines and Technology. During her time in the department she was involved in field and lab testing of soils and concrete, once she graduated she moved into her field of study and became an engineering intern and later a geotechnical engineer for the Rapid City office.

A strong believer in learning from the ground up, Yates has experience in three of AET’s service lines, from performing construction material testing to logging soil samples on the drill rig to collecting environmental field samples, she has done it all. Citing the importance of understanding what the company offers, Yates comments “having first-hand experience in each of our service lines helps me relate to and understand each person in the office and provide unique insight to my clients on projects.”

As a leader, Yates does not shy away from challenges, instead preferring to face them head on. “My goal is for each member of my team, including myself, to strive to truly be a trusted partner to our clients and to earn the trust of new clients,” says Yates. “This means working hard and with purpose to solve problems in the field, improve our processes, and promote our exceptional services. I am excited for growth in the Rapid City office and look forward to leading this great team.”

Yates is a registered Professional Engineer in North and South Dakota and holds a Certified Petroleum Release Remediator (CPRR) certification in the State of South Dakota. She is an active member of the South Dakota Engineering Society and Youth in Science in Rapid City. She can be reached at [kyates@amengtest.com](mailto:kyates@amengtest.com)

### Media Inquiries:

William (Bill) Holder, P.E.

Vice President - Marketing Director

American Engineering Testing, Inc.

[wholder@amengtest.com](mailto:wholder@amengtest.com)

(800) 972-6364

<http://www.amengtest.com>

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## 2017 Legislature



**Signed by the Governor on March 10, 2017 S.J. 715**

SB 145

ENTITLED, An Act to provide limitation on liability for certain architects and engineers.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF SOUTH DAKOTA:

Section 1. That chapter 36-18A be amended by adding a NEW SECTION to read:

No architect or engineer may be held liable for personal injury, wrongful death, property damage, or other loss related to any architectural, structural, electrical, mechanical, or other professional design service provided by the architect or engineer, voluntarily or without compensation, at the request or approval of a national, state, or local public official in response to a declared national, state, or local emergency caused by a tornado, fire, explosion, collapse or other similar disaster or catastrophic event. This section applies to services rendered within ninety days following the end of the declared emergency, disaster, or catastrophic event unless extended by executive order of the Governor. Limited liability under this section does not apply if the injury, death, or damage is the result of gross negligence or willful or wanton misconduct. For the purposes of this section compensation does not include reimbursement for expenses.



**Signed by the Governor on March 13, 2017**

AN ACT

ENTITLED, An Act to revise certain provisions related to construction managers on certain public improvement projects.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF SOUTH DAKOTA:

Section 1. That § 5-18B-15 be amended to read:

5-18B-15. No person, firm, or corporation may act as architect or engineer and also as contractor or construction manager on any public improvement project if the amount to be expended exceeds one hundred thousand dollars. Any public improvement of an emergency nature that affects the public health and safety of the state and is funded through the use of an emergency appropriation or special appropriation, and any full-service firm that specializes in the design, fabrication, or installation of cultural or educational exhibits is exempt from this section.



SOUTH DAKOTA  
STATE UNIVERSITY  
Jerome J. Lohr  
College of Engineering



The Girls, Engineering, Mathematics, and Science (GEMS) camp is coming up on March 25. The camp is for females in Grade 8, and there is a simultaneous program for parents and teachers who are accompanying the students. Professional volunteers are most welcome as well to spend the day helping with the various workshops and to share their professional experiences.

The application form is available at: <http://www.sdstate.edu/jerome-j-lohr-engineering/girls-engineering-mathematics-and-science>

If you are interested in volunteering your time, talents, or even trinkets from your business to send home with the camp participants, please contact Becky Schmieding at [rsshmieding@gmail.com](mailto:rsshmieding@gmail.com).

Note, a similar camp for high-school age females is held each November, called Ready, SET, Go.

Thanks!

Erin

Erin Cortus, PE, PhD  
Associate Professor and Environmental Quality Engineer  
South Dakota State University  
Box 2120, 1400 North Campus Drive  
Phone: 605-688-5144



Read on to see what is happening with NSPE!

Following are the highlights of the latest report to NSPE leadership by Mark Golden, NSPE Executive Director.

#### **Board of Directors**

NSPE Board of Directors to meet in San Francisco, March 17-18, for one and a half day strategic planning session and formal board meeting.

#### **Championing the PE License**

- ∅ NSPE President and Executive Director meet with representatives of the Structural Engineering Licensure Coalition at NSPE Headquarters.
- ∅ NSPE and State societies join forces on several advocacy fronts:
  - v Maryland Court of Appeals affirms position asserted by NSPE and MdSPE in “friend of the court” brief protecting PEs from alleged tort claims by contractors for purely economic damages.
  - v NSPE collaborates with the South Carolina Society to oppose legislative effort that could significantly impact the PEs ability to determine what type of piping to use in certain projects.
  - v NSPE and the Kansas Society of Professional Engineers fight back against effort to erode qualifications-based selection in the state.
- ∅ NSPE Action Alert results in 150 members of Congress contacted to support 2017 Engineers Week Resolution (sponsored by Congressman Daniel Lipinski (IL-3)).
- ∅ NSPE continues to provide State societies use of its Multi State Associates’ legislative /regulatory tracking system and its VoterVoice’ online action alert system.

#### **Ethical Guide to the Profession**



∅ NSPE President to moderate panel on *Artificial Intelligence and Autonomous Systems in Engineering* at 2017 Annual Convocation of Engineering Societies.

∅ NSPE Board of Ethical Review prepares 12 new ethics case studies.

### **Powering for Professional Advancement**

∅ NSPE's Future of the Profession Task Force prepares draft report for BoD review.

∅ *PE* magazine article highlights cybersecurity.

∅ Dr. Bud Peterson, Georgia Tech president, to be keynote speaker at NSPE 2017 PE Conference.

### **Uniting the PE Community**

∅ NSPE website analytics expanded to track "user roles," i.e. member, non-member, student, anonymous, etc.

∅ *NSPE Speaks* adds "engineering in pop culture" as regular segment.

∅ National Engineers Week/DiscoverE prepares for Global Marathon For, By and About Women in Engineering, March 8-9.

∅ NSPE President and President-elect participate in 2017 Future City National Competition in DC.

∅ Bureau of Reclamation engineer named NSPE's 2017 Federal Engineer of the Year.

∅ NSPE mourns the loss of Past President Robert L. Sylar, P.E., F.NSPE who passed away February 20.

And a reminder - you always have access to NSPE leadership resources in the [Leadership Toolbox](#).

**NSPE encourages states to use the information in this report in newsletters or other updates to their membership to inform members on the activities of NSPE. As a suggestion, it may be most useful to take the bullets of most interest from the transmittal email. The full report (and past reports) can always be found [online](#).**

Please remember to contact me anytime if you have questions.

Mark J. Golden, FASAE, CAE

Executive Director

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