



South Dakota  
Engineering  
Society  
Fall 2019  
Professional  
Development  
Hours (PDH)  
Conference

October 2nd & 3rd, 2019

**Hilton Garden Inn**

815 E. Mall Drive  
Rapid City, SD

Hosted by the  
**SDES Black Hills Chapter**

**Program Agenda**

**South Dakota Engineering Society  
PDH Fall 2019 Conference  
Thursday, October 3rd, 2019**

7:00 - 8:00a **Conference Check-In &  
Registration**

8:00 - 8:10a **Welcome & Introductions**

Session #1 PDH Value 1.5

8:10 - 9a **Technology Development &  
Business Development: From 3-D  
Printing to Additive  
Manufacturing**  
*Shon Anderson, CEO, B9Creations  
Scott Reisenauer, PE, COO, B9Creations*

9 - 9:30a **Analyzing & Promoting  
Engineering Projects with  
Renderings & Animations**  
*James Unruh, PE, Senior Project Manager  
HDR Engineering, Inc.*

9:30 - 10a **Break**

Session #2 PDH Value 2.0

10 - 10:30a **2019 Flooding in South Dakota:  
Measuring New Records in  
Streamflow**  
*Galen Hoogestraat, Hydrologist  
U.S. Geological Survey, Dakota Water  
Science Center*

10:30 - 11a **Community Development Planning**  
*Ken Young, Community Development Director  
City of Rapid City*

11a - 12p **Can Microbial Biocements Deliver  
as Advertised for Remediation of  
Erosion Potential?**  
*Dr. Bret Lingwall, PhD, PE  
Assistant Professor, SDSMT*

12 - 1p **Lunch**

Session #3 PDH Value 1.5

1 - 1:30p **Cook Lake Landslide Monitoring**  
*Eric Krantz, PE, RESPEC, Inc.*

1:30 - 2:30p **Structural Design of the  
Mt. Rushmore Solar Canopy**  
*Kevin Crosby, LEED AP, Sustainability Mgr.  
Xanterra Travel Collection  
James Mallard, Design Engineer  
KPPF Consulting Engineers*

2:30 - 3p **Break**

Session #4 PDH Value 2.0

3 - 3:30p **Investing in Reliability**  
*Mark Eyre, Director of Electric Operations  
Black Hills Energy*

3:30 - 4p **Soil Nail Slope Stabilization**  
*Jesse Nelson, Project Engineer  
South Dakota Department of Transportation*

4 - 4:30p **Engineering Licensure**  
*Michael Albertson, PE, Principal  
Albertson Engineering, Inc.*

4:30 - 5p **Rapid City Landfill Cell 18**  
*Alex Fisher, Vice President  
FMG Engineering*

**Pre -Conference Meetings & Social  
Wednesday, October 2nd, 2019**

1 - 3p **SDES Board & Membership Mtg.**

3 - 5p **ACEC Board & Membership Mtg.**

5 - 7p **SDES & ACEC Member Social**  
*Dakota Point Brewing  
405 Canal Street Suite 1200, Rapid City, SD*

**Visit [www.SDES.org](http://www.SDES.org) for more  
conference and speaker information!**

*Agenda subject to change. Check back for more information.*