



South Dakota
Engineering
Society
Professional
Development
Hours (PDH)
Fall 2018
Conference

October 12, 2018

**SDS and ACEC
Member Meetings And Social**

October 11, 2018

Hilton Garden Inn

815 E. Mall Drive
Rapid City, SD

Hosted by the
SDS Black Hills Chapter
Rick Bell, Conference Chair

Program Agenda

**South Dakota Engineering Society
PDH Fall 2018 Conference
Friday, October 12, 2018**

7:30 - 8:00a Conference Check-In

8:00 - 8:10a Welcome and Introduction

Session #1 PDH Value 2.0

8:10 - 9:00a **Hwy 100: Rice St. to I-90 and I-90 Exit 402 Interchange**
James Unruh, P.E., Sr. Transportation Project Manager, HDR Engineering, Inc.

9:00 - 9:50a **The Engineering Behind the Underground Science Project**
Al Stratman, P.E., Director of Engineering Sanford Underground Research Facility

9:50 - 10:10a Break

Session #2 PDH Value 2.0

10:10 - 11:00a **SD DENR New Stormwater General Permit Impacts**
Kelli D. Buscher, P.E., Administrator SD DENR Surface Water Quality Program

11:00 - 12:00p **An Introduction to PavementDesigner.org**
Jason Reaves, P.E., Executive Vice President South Dakota Chapter American Concrete Pavement Association

12:00 - 1:10p **Lunch What's Ahead for SDES**
Nancy Hoines, Executive Director South Dakota Engineering Society

Visit www.SDES.org for more conference and speaker information!

Session #3 PDH Value 2.0

1:10 - 2:00p **Our Changing Climate, A Brief Status Report**
Alan Anderson, Retired National Oceanic & Atmospheric Administration / U.S. Forest Service

2:00 - 2:30p **Video Monitoring of Pile Driving and Static Pile Tests at I-90 Exit 44**
Amy DiRienzo, P.E., Project Engineer RESPEC

2:30 - 3:00p **Box Culverts - Not Just Cast-In-Place Anymore!**
Riley Dvorak, Engineer Forterra

3:00 - 3:10p Break

Session #4 PDH Value 2.0

3:10 - 4:00p **The GasCube: Turning Remote Base Waste into Energy**
Dr. James Stone, Ph.D., P.E. Professor of Environmental Engineering South Dakota School of Mines & Technology

4:00 - 4:50p **Characterization of River Ecosystems: Mongolia and the US**
Scott Kenner, Ph.D., P.E., Department Head Dept. of Civil & Environmental Engineering South Dakota School of Mines & Technology

4:50 - 5:00p **Wrap-Up and Adjournment**

**Pre-Conference Meetings & Social
Thursday, October 11, 2018**

1:00 - 3:00p **SDS Board and Membership Meeting**

3:00 - 5:00p **ACEC Board and Membership Meeting**

5:00p - ??? **SDS & ACEC Member Social**

All Events are at the Hilton Garden Inn, Rapid City