

Agenda

Accommodating Multiple Purposes of Site Design

Functional site design Stormwater management opportunities
Sustainability goals Slope stabilization and erosion control
Landscape aesthetics

D. Marner

Considering the Impact of Soils and Landforms

Understanding the role of soils Soil Genesis of Iowa
Soil characteristics, classification and engineering properties
Identifying the underlying geological conditions

R. Bednarek

Gray vs. Green: The Role of Green Infrastructure in the Face of an Uncertain Climate

Continued emerging role and importance of integrated green infrastructure systems
Multiple community benefits

- Stormwater runoff reduction • Improved flood control
- Water quality enhancement • Enriched bio-diversity
- Increased quality and longevity of public infrastructure with reduced maintenance
- Improved community aesthetics
- Case studies

J. Patchett

Green Stormwater Infrastructure: Soil Quality to Green Roofs

Using green infrastructure to manage for water quality and flood control
Applications of green infrastructure throughout Iowa
Inspection and maintenance is critical for long-term success

P. Sauer

Developing a Sustainable Site Plan: Using SITES and LEED

Reduce water demand Preserving greenspace
Filter and reduce stormwater runoff
Providing/preserving wildlife habitat
Reduce energy consumption Improve air quality
Improve human health - Promoting walkability and bikeability
Increase outdoor recreation opportunities

B. Aldrich/J. Host

Water and Stormwater Capture: Techniques You May Not Have Thought Of

Traditional landscape best management practices and their practical implications
Reasons for best management practices
Specific design techniques and examples

- Development planning considerations
- Specific site development considerations

J. Hager

Case Study: Stormwater Design on Public Elementary Schoolyards

The Clean Water Act, trends, & city-wide initiatives for health, sustainability, and water quality
Educational, aesthetic, and playful stormwater management and rainwater harvesting design
Case studies: innovative and sustainable stormwater and rainwater designs on public school grounds.

B. Yost

Practical Site Engineering: Science and Techniques

Johnston, IA - Wednesday, June 27, 2018



Halfmoon Education Inc.
PO BOX 278
Altoona, WI 54720-0278

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

Learning Objectives

You'll be able to:

Explore the importance of slope stabilization, erosion control and stormwater management.

Discuss multiple community benefits of green infrastructure including water quality enhancement and enriched bio-diversity.

Explore sustainable site plans and discuss how to reduce water demand and energy consumption.

Examine traditional landscape best management practices and their practical implications.

Analyze actual case studies dealing with stormwater design on schoolyards.



Practical Site Engineering: Science and Techniques

Johnston, IA - Wednesday, June 27, 2018



Examine the components of a functional site design

Consider the impact of soils and landforms

Explore the role of green infrastructure in the face of an uncertain climate

Use green infrastructure to manage water quality and flood control

Develop sustainable site plans using SITES and LEED

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW Continuing Ed Hours

6.5 AIA HSW Learning Units

Landscape Architects

6.5 HSW Continuing Ed Hours

6.5 LA CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECs

Contractors

Non-Credit Continuing Ed.



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



Faculty

Don Marner Snyder & Associates, Inc.

Mr. Marner is a landscape architect with 29 years of experience in the profession. He leads the Land Development Business Unit consisting of civil engineers and landscape architects in the corporate office in Ankeny. Project experience in the private sector includes housing, retail, commercial and industrial developments. Projects in the public sector include educational facilities, parks, streetscapes and sports complexes. Projects are located in Iowa and the surrounding states.

Rick Bednarek State Soil Scientist in Iowa for the Natural Resources Conservation Service

Mr. Bednarek has statewide responsibility for the Soil Health and Technical Soil Services Programs. He also supervises the GIS section. Mr. Bednarek is also the State Resource Inventory Coordinator in Iowa providing leadership for the state in all Natural Resource Inventory activities. He received a Bachelor's degree in Soil Science from the University of Wisconsin-River Falls in 1983 and started his career with NRCS in 1987. Mr. Bednarek began his soil scientist career as a county soil scientist in McDonough County, Illinois, in 1985. In 1987, he joined the Soil Conservation Service in Minnesota as a soil scientist and later as project leader and area soils specialist. In 1999, Mr. Bednarek became the Resource Soil Scientist in Atlantic, Iowa. Then in 2007, he went to the South Dakota State Office as Soil Quality Specialist and later as Assistant State Soil Scientist.

James M. Patchett FASLA, RLA, LEED AP

Considered one of the innovators in melding art, science and engineering in design, James Patchett, FASLA, LEED AP, founded Conservation Design Forum in 1994, with offices in Elmhurst, Illinois, and Grand Rapids, Michigan. Mr. Patchett is widely recognized as one of the nation's leading pioneers in the design and promotion of sustainable site planning methodologies that integrate innovative water resource management and ecological restoration measures into built and natural environments. Trained both as a landscape architect and hydrologist, Mr. Patchett has served on a variety of national technical advisory committees including the ASLA Sustainable Sites initiative.

Seminar Information

Hilton Garden Inn Des Moines/Urbandale
8600 Northpark Drive
Johnston, IA 50131
(515) 270-8890

Tuition

\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

He is also co-founder of Conservation Research Institute, Conservation Land Stewardship, and Solutions in the Land. Mr. Patchett is a Fellow of the American Society of Landscape Architects and a LEED-Accredited Professional. He received an undergraduate degree in Landscape Architecture, and master's degrees in both Landscape Architecture and Civil Engineering (water resources) from Iowa State University. Mr. Patchett has completed the necessary course work towards a PhD degree in Landscape Architecture from the University of Michigan's School of Natural Resources.

Pat Sauer CPSS, CPESC

Ms. Sauer is a professional soil scientist and the executive director for the Iowa Stormwater Education Partnership (ISWEP). She oversees ISWEP, an organization that supports Iowa MS4 cities that are permitted by the IDNR by providing educational resources, training and technical support. Ms. Sauer also develops and conducts educational training and certification programs throughout Iowa on construction site runoff control, green infrastructure and stormwater design, streambank restoration and stormwater pollution prevention. She is on the Technical Committee for the IDNR Iowa Stormwater Management Manual and is involved with planning the annual Iowa Water Conference.

Brad Aldrich Landscape Architect with Confluence

Mr. Aldrich is a landscape architect with Confluence who has 15+ years designing sustainable sites and innovative green infrastructure practices. He is passionate about sustainable site design and has numerous award-winning projects certified and/or influenced by LEED, SITES and the Living Building Challenge (LEED on steroids).

Jim Host Landscape Architect with Confluence

Mr. Host is a landscape architect with Confluence who has 30+ years of public and private sector experience. Sustainable practices have been part of his design influence over that span. Past projects have achieved LEED and Green Globes certification, and he is currently part of the West North Central SITES Collaborative.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects in most states, including Iowa. Educators and courses are not subject to preapproval in Iowa.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES.

Architects, engineers, and landscape architects seeking continuing education credit outside Iowa will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

John Hager PLA, LEED AP, LandVision

Mr. Hager is a professional landscape architect, licensed to practice in Iowa and Illinois with over 30 years of experience working as a vital team member at both large, multi-disciplinary firms and smaller landscape architectural and engineering offices. After receiving his bachelor of Landscape Architecture degree from Iowa State University, his professional journey included design and planning positions at large, national, multi-disciplinary firms such as Jacobs and Parsons as well as smaller landscape architecture, engineering and architecture firms in Iowa, Tennessee and Missouri. Mr. Hager has worked on a number of housing, mixed use, and light industrial projects in many US locations for private developers. His experience in planning and urban design for low impact and best management practices includes work in Heibei Province, Peoples Republic of China.

Bambi Yost Associate Professor in the Landscape Architecture Department at Iowa State University.

Ms. Yost holds both a masters degree in Landscape Architecture and masters degree in Urban & Regional Planning and is completing a PhD degree in Design & Planning (ABD) focused on regreening schoolyards in Denver, Colorado and Philadelphia, Pennsylvania. From 2001-2007, Ms. Yost planned, organized, and led community-based, design-build learning landscape projects with the University of Colorado at Denver's Professor Lois A. Brink. To date, all of 96 Denver Public Elementary School playgrounds have been planned, funded, and rebuilt. In 2015, Ms. Brink and Ms. Yost began collaborating with 22 Philadelphia Public School communities, The Big Sandbox, over 20 other non-profit organizations, the New Hampshire Stormwater Center, the Philadelphia Water Department, and the School District of Philadelphia. The primary goal is to mobilize urban communities around green infrastructure and produce meaningful community spaces: schoolyards, urban parks and other places. Twelve of these 22 community-based green schoolyard master plans were created with Iowa State University students.

Registration

Practical Site Engineering: Science and Techniques

Johnston, IA - Wednesday, June 27, 2018

How to Register																																							
Online: www.halfmoonseminars.org																																							
Phone: 715-835-5900																																							
Fax: 715-835-6066																																							
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278																																							
Complete the entire form. Attach duplicates if necessary.																																							
<table border="1"> <tr> <th colspan="2">Registrant Information</th> </tr> <tr> <td>Name:</td> <td>_____</td> </tr> <tr> <td>Company/Firm:</td> <td>_____</td> </tr> <tr> <td>Address:</td> <td>_____</td> </tr> <tr> <td>City:</td> <td>_____ State: _____ Zip _____</td> </tr> <tr> <td>Occupation:</td> <td>_____</td> </tr> <tr> <td>Email:</td> <td>_____</td> </tr> <tr> <td>Phone:</td> <td>_____</td> </tr> <tr> <th colspan="2">Additional Registrants:</th> </tr> <tr> <td>Name:</td> <td>_____</td> </tr> <tr> <td>Occupation:</td> <td>_____</td> </tr> <tr> <td>Email:</td> <td>_____</td> </tr> <tr> <td>Phone:</td> <td>_____</td> </tr> <tr> <td>Name:</td> <td>_____</td> </tr> <tr> <td>Occupation:</td> <td>_____</td> </tr> <tr> <td>Email:</td> <td>_____</td> </tr> <tr> <td>Phone:</td> <td>_____</td> </tr> <tr> <td colspan="2">Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.</td> </tr> <tr> <td colspan="2">() I need special accommodations. Please contact me.</td> </tr> </table>		Registrant Information		Name:	_____	Company/Firm:	_____	Address:	_____	City:	_____ State: _____ Zip _____	Occupation:	_____	Email:	_____	Phone:	_____	Additional Registrants:		Name:	_____	Occupation:	_____	Email:	_____	Phone:	_____	Name:	_____	Occupation:	_____	Email:	_____	Phone:	_____	Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.		() I need special accommodations. Please contact me.	
Registrant Information																																							
Name:	_____																																						
Company/Firm:	_____																																						
Address:	_____																																						
City:	_____ State: _____ Zip _____																																						
Occupation:	_____																																						
Email:	_____																																						
Phone:	_____																																						
Additional Registrants:																																							
Name:	_____																																						
Occupation:	_____																																						
Email:	_____																																						
Phone:	_____																																						
Name:	_____																																						
Occupation:	_____																																						
Email:	_____																																						
Phone:	_____																																						
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.																																							
() I need special accommodations. Please contact me.																																							

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____

Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.