Credit and Webinar Information

Continuing Education Credit Information

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Course-by-Course Providers:
Association of State Floodplain Managers
International Society of Arboriculture
Society of American Foresters

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Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

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Webinars are presented via **GoToWebinar**, an easy-to-use application that can be run on most systems and tablets. Instructions and login information will be provided in an email sent close to the Tuesday, July 19, 2022 of the webinar. ***It is highly recommended that you download, install and test the application before the webinar begins by clicking on the link in the email.***

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Web browser: The two most recent versions of Google Chrome or Mozilla Firefox
Internet connection: Minimum of 1Mbps, Mobile: 2G or better (WiFi Recommended)
Hardware: 2GB of RAM (minimum), 4GB or more of RAM (recommended)

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August Short Webinar Catalog 2022
Nine Live, Interactive Online Webinars

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August Short Webinar Catalog 2022

Ten webinars that each take a look at a single subject

1. Maintenance of Green Infrastructure Practices
2. Deep Dive into Foam Insulation
3. Handling Ethical Issues Associated with Defects and Failures
4. A Deep Dive into Water Efficiency: Developing a Water Maintenance Program for All Types of Buildings
5. How to Handle Change Orders to Construction Contracts
6. Landscaping for Pollinators
7. Determining and Checking the Stability of Retaining Walls
8. Sustainable Concrete Construction
9. Deep Dive into Water Infiltration in Soil
10. How to Use Berms and Swales for Stormwater Infiltration

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1. Maintenance of Green Infrastructure Practices

Tuesday, August 2, 2022 | 10:00 am - 12:00 pm CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
International Code Council: .2 CEUs (Sitework) Floodplain Managers: 2.0 ASFPM CECs

Agenda Highlights:
The special maintenance needs of green infrastructure BMPs
Doing it right: training staff, scheduling and tracking maintenance
The special maintenance needs of vegetated BMPs and infiltration BMPs
The special maintenance needs of green/gray BMPs (manufactured treatment devices)

Presented by Dr. Stephen J. Souza *Owner of Clean Waters Consulting, LLC, New Jersey*

22 USMGRNIP 8 2 WEBR LH

2. Deep Dive into Foam Insulation

Wednesday, August 3, 2022 | 9:00 - 11:00 am CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW International Code Council: .2 CEUs (Building)

Agenda Highlights:
The chemistry and physics of foam insulation
Rigid foam insulation types and applications for them
- Expanded polystyrene (EPS), extruded polystyrene (XPS), and polyisocyanurate (ISO)

Spray foam insulation types and applications:
- Benefits and drawbacks of closed cell foam and open cell foam

Foam insulation costs and lifecycle analysis Sustainability of foam insulation
Case studies

Presented by Daniel A. Huard *Co-Founder and Principal of Humann Building Solutions, LLC*

22 USDDFOMI 8 3 WEBR WL

3. Handling Ethical Issues Associated with Defects and Failures

Tuesday, August 9, 2022 | 10:00 - 11:00 am CDT **Tuition**: $75

Credits: Professional Engineers: 1.0 PDHs Architects: 1.0 non-HSW CE Hour
AIA: 1.0 LU|Elective

Agenda Highlights:
Understanding the parties' roles and relationships
Understanding the liability and indemnification provisions in construction documents
Duty to raise potential safety, durability issues
Making warrantees and guarantees Working outside areas of competence

Presented by Steven Nudelman *Partner, Greenbaum, Rowe, Smith & Davis, LLP*

22 USHETHIS 8 9 WEBR LF

4. A Deep Dive into Water Efficiency: Developing a Water Maintenance Program for All Types of Buildings

Wednesday, August 10, 2022 | 1:00 - 3:00 pm CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs (except New York) Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW International Code Council: .2 CEUs (Sustainability)
Certified Planners: CM|2.0

Agenda Highlights:
Developing a water maintenance program for all types of buildings
- Benefits of water conservation
- Benefits of water maintenance programs
- Assessing water use
- Calculating water use
- Validating water savings
- Calculating anticipated savings
- Implementing water monitoring and leak detection
- What to do next

Presented by Steve Williams *LEED accredited professional*

22 USDDWTRE 8 10 WEBR PC

5. How to Handle Change Orders to Construction Contracts

Wednesday, August 10, 2022 | 9:00 - 11:00 am CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs (except New York) Architects: 2.0 non-HSW CE Hours
AIA: 2.0 LU|Elective International Code Council: .2 CEUs (Administration)

Agenda Highlights:
Reviewing your contract and understanding the changes clause
Initiating a change order
- Proposal request
- Architect's Supplemental Instruction
- Construction change directive
- Request for information
- Change order request

Typical changes that result in change orders
- Scope of work
- Timing of work

Determining if a change is part of the original contract scope
Resolving change disputes Best practices

Presented by Kenneth A. Sherman
Member of Prince Lobel Tye LLP's Construction and Business Transactions practice groups

22 USH2HCOC 8 10 WEBR TB

6. Landscaping for Pollinators

Friday, August 12, 2022 | 10:00 am - 12:00 pm CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs

Agenda Highlights:
Recognizing common pollinators
- Training your eye to see pollinator diversity, as a first step to planning a robust pollinator landscape

Ten principles for landscaping for pollinators
- General principles to anchor any landscape design
- Tying things together in landscape design

Managing pests and weeds to promote pollinators
- Identifying red-flag pollinator plants and substitutes of equal value to pollinators
- Reading pesticide labels in order to identify treatments of high-risk to pollinators

Case studies
- Examples of exemplary pollinator landscapes

Presented by Andony Melathopoulos
Assistant Professor – Pollinator Health Extension, Oregon State University

22 USFOL4PN 8 12 WEBR AM

7. Determining and Checking the Stability of Retaining Walls

Monday, August 15, 2022 | 2:00 - 4:00 pm CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
International Code Council: Pending

Agenda Highlights:
Types of stability required: bearing, overturning, sliding
Data necessary to make stability calculations Check soil bearing pressure
Check for stability against overturning Check for stability against sliding

Presented by Bill Simpson, P.E. *Geotechnical Structure Design Specialist at Gradelta Engineering*

22 USDCSRWL 8 15 WEBR CP

8. Sustainable Concrete Construction

Wednesday, August 17, 2022 | 2:00 - 4:00 pm CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
International Code Council: Pending

Agenda Highlights:
Defining sustainable concrete
Lifecycle analysis of costs and environmental impacts
- Sustainability of materials, manufacturing process, transportation, energy usage, carbon emissions, durability

Green alternatives to conventional concrete
Applications for sustainable concrete Recycling and reuse of concrete

Presented by Alan Sparkman, CAE, LEED AP, CCPf
Executive Director Tennessee Concrete Association

22 USSCCRTC 8 17 WEBR LH

9. Deep Dive into Water Infiltration in Soil

Thursday, August 18, 2022 | 11:00 am - 1:00 pm CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs International Code Council: .2 CEUs (Sitework)

Agenda Highlights:
What is soil infiltration? What soil characteristics/properties impact infiltration?
What happens when water does not infiltrate soil?
Determining infiltration rates Improving soil infiltration

Presented by Brad Flack, CPESC, CESSWI, QSM, QCIS, QPSWPPP
President & CEO of Integrity Stormwater

22 USDDIWIS 8 18 WEBR SC

10. How to Use Berms and Swales for Stormwater Infiltration

Wednesday, August 31, 2022 | 9:00 - 11:00 am CDT **Tuition**: $109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs

Agenda Highlights:
Stormwater management objectives:
- Slowing the flow of stormwater
- Facilitating infiltration

Using vegetated swales to meet stormwater objectives
- Types of swales
- Benefits and drawbacks
- Applications for swales
- Design and construction of swales

Using infiltration berms to meet stormwater objectives
- Types of berms
- Benefits and drawbacks
- Applications for berms
- Design and construction of berms

Case studies

Presented by Steven D. Trinkaus *Principal at Trinkaus Engineering, LLC, in Southbury, CT*

22 USH2BSSI 8 31 WEBR WL