Credit and Webinar Information

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Landscape Architect Continuing Education System
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Association of State Floodplain Managers
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Web browser: The two most recent versions of Google Chrome or Mozilla Firefox
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2. Deep Dive into Protecting Your Openings Using Fire Door and Fire Window Assemblies
3. Historic Preservation for Designers
4. Deep Dive into Real-Life Construction Failures
5. Deep Dive into Invasive Landscape Plants
6. Deep Dive into the Important Changes of the 2021 International Building Code and 2021 International Energy Conservation Code
7. Deep Dive into Water Infiltration in Soil
8. Carbon Credits and Carbon Markets Defined
9. Deep Dive Into Retaining Wall Layout for Site Designers

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AIA Continuing Education Provider

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1. Deep Dive into Building Classification and Occupancy

Tuesday, May 4, 2021 | 11:00 am - 2:00 pm CDT **Tuition**: $150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW International Code Council: .3 CEUs (Building)

Agenda:
Classification of structures
Occupancy and special uses
Fire resistance-rated construction
Construction type classifications, including the new mass timber construction

Presented by Samir Mokashi *Principal/Owner at Code Unlimited*

21 USDDIBCO 5 4 WEBR TB

2. Deep Dive into Protecting Your Openings Using Fire Door and Fire Window Assemblies

Thursday, May 6, 2021 | 1:00 - 4:20 pm CDT (incl. two 10-min breaks) **Tuition**: $150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW International Code Council: .3 CEUs (Fire)

Agenda:
Fire-resistance-rated construction
Glazing used in opening protectives
Fire window assemblies
NFPA 80 / NFPA 105
Accessing listings
Opening protectives
Fire door assemblies
IBC marking requirements for glazing
Labels and markings
Closing remarks

Presented by Rich Walke *Technical Director of Creative Technology Inc.*

21 USDDFDFW 5 6 WEBR LH

3. Historic Preservation for Designers

Friday, May 7, 2021 | 1:30 - 3:30 pm CDT **Tuition**: $100

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

Agenda:
How properties are determined to be historic
The fundamentals of historically-sensitive building restorations
The federal historic preservation tax incentives
Accessibility in historic buildings
Historic preservation and green building

Presented by
Dr. Peter B. Dedek *Associate professor at Texas State University in the Department of History*

21 USDDHP4D 5 7 WEBR TC

4. Deep Dive into Real-Life Construction Failures

Monday, May 10, 2021 | 2:00 - 4:00 pm CDT **Tuition**: $100

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

Agenda:
Roof collapse of a large commercial structure due to solar panel installation
Rebar cage collapse resulting in wrongful death at a parking structure
Jet bridge failure at LAX airport resulting in permanent injury
Handrail failure resulting in permanent injury
Solar panel system (photovoltaic power station) structural failure
Lessons learned

Presented by
Casey K. Hemmatyar, SE *Engineer with Pacific Structural and Forensic Engineers Group*

21 USDDRLCF 5 10 WEBR TB

5. Deep Dive into Invasive Landscape Plants

Thursday, May 20, 2021 | 11:00 am - 12:30 pm CDT **Tuition**: $100

Credits: Professional Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours
AIA: 1.5 LU|HSW Landscape Architects: 1.5 HSW CE Hours LA CES: Pending
International Code Council: .15 CEUs (Sitework)

Agenda:
Basic invasive plant definitions
- Native, naturalized, cryptogenic, nonnative, exotic
- Aggressive, invasive, noninvasive
- Noxious weed

Invasive plant ecology
- Common traits of invasive plants
- Methods of introduction - intentional vs. accidental
- Effects on local habitats
- Negative and positive aspects of invasive plants

Common invasive plants of the Midwest
Human influences that affect the spread of invasive plants
Invasive plant control
- Prevention, management, eradication
- Physical control- solarization, cut and flood
- Chemical control- herbicides
- Biological control- natural predators, disease

Restoring ecological sites and designing to resist invasion

Presented by
Ms. Carlyn Rocazella *Biologist and bee ecologist at EnviroScience, Inc.*
Dr. Michael Liptak *Senior ecologist at EnviroScience, Inc.*

21 USDDIILP 5 20 WEBR CP

6. Deep Dive into the Important Changes of the 2021 International Building Code and 2021 International Energy Conservation Code

Thursday, May 20, 2021 | 10:00 am - 1:30 pm CDT (incl. 30-min. break) **Tuition**: $150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW International Code Council: 3.0 CEUs (Building)

Agenda:
International Building Code Changes
- Introduction
- Tall wood buildings added
- Case studies: Brock Commons Tallwood House
- Case studies: The Catalyst Buildings
- Case studies: John W. Olver Design Buildings
- Shipping container construction chapter
- Frontage simplified
- Vapor retarder requirements in IBC and IRC
- Other important changes

Changes to accessibility requirements
Changes to energy code
- Net zero commercial buildings appendix
- Net zero residential buildings appendix
- New climate zone map
- Additional efficiency packages in commercial
- Additional efficiency packages in residential
- Other important energy code changes

Energy code continued
- Additional efficiency packages in commercial
- Additional efficiency packages in residential
- Daylighting changes
- Building envelope performance
- Thermal envelope requirements changes

Presented by Lawrence Lile *Owner of Lile Engineering in Ashland, MO*

21 USDDIBCC 5 20 WEBR PC

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Recordings of each webinar are available for purchase. Visit us online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

7. Deep Dive into Water Infiltration in Soil

Friday, May 21, 2021 | 11:00 am - 1:00 pm CDT **Tuition**: $100

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: Pending
International Code Council: .2 CEUs (Sitework) Floodplain Managers: Pending

Agenda:
What is soil infiltration?
What soil characteristics/properties impact infiltration?
Unsaturated soils versus saturated soils
What happens when water does not infiltrate soil?
Determining infiltration rates
Difference between permeability, hydraulic conductivity and infiltration
Measuring horizontal or vertical seepage flow
Improving soil infiltration

Presented by John C. Lommler, Ph.D., P.E. (NM, OH), D.GE
Principal Geotechnical Engineer with Wood Environment and Infrastructure

21 USDDIWIS 5 21 WEBR JB

8. Carbon Credits and Carbon Markets Defined

Monday, May 24, 2021 | 10:00 am - 12:00 pm CDT **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: Pending Texas Attorneys: 2.0 CLE Hours Certified Planners: 2.0|CM - AICP
Landmen: Pending International Code Council: Pending

Agenda:
Mandatory cap and trade
Voluntary programs
Carbon credit organizations and standards
Methodologies for particular types of carbon credit projects
Validation, verification, and monitoring
Types and value of different carbon credits and markets
Cap-and-trade systems and case studies

Presented by Scott Deatherage *S. Deatherage Law*

21 USDDCCMD 5 24 WEBR BA

9. Deep Dive Into Retaining Wall Layout for Site Designers

Thursday, May 27, 2021 | 11:00 am - 1:00 pm CDT **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: Pending Landscape Architects: 2.0 HSW CE Hours LA CES: Pending
International Code Council: Pending (Sitework)

Agenda:
Preventing potential problems or failures through site layout
Preventing potential problems or failures through proper design techniques
Roles and responsibilities to ensure structure success
Recognizing a potential problem or failure in the field
Typical causes of problems or failures with geotechnical structures
Case studies/examples of failures and repairs

Presented by Bill Simpson, PE
Geotechnical Structure Design Specialist at Engineered Earth Solutions, LLC

21 USDDRWLD 5 27 WEBR WL

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