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Course-by-Course Providers: Association of State Floodplain Managers

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- 5. Seismic Design of Buildings:
- 6. The Tree Course
- 7. Roadway Design
- 8. Ethical Issues for Engineers:



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1. Stormwater Basins and Underground Systems

2. Advanced Construction Contracts: Crisis Response, Risk Management, and Dispute Resolution

3. Advanced Construction Contracts:

Sustainability Design and Ethics

4. Stream Restoration for Design Professionals

Importance of Seismic Ground Motions

Complying with Rules of Professional Conduct

9. Complying with Fire Protection and Building Codes







1. Stormwater Basins and Underground Systems

Thursday, July 23, 2020 | 11:00 am - 2:45 pm (incl. 15-min. break) Friday, July 24, 2020 | 11:00 am - 2:15 pm (incl. 15-min. break)

Tuition: \$299

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW Continuing Ed. Hours LA CES: 6.5 HSW PDHs Floodplain Managers: 6.5 ASFPM CECs

Agenda Highlights:

Stormwater management system objectives and design considerations

Stormwater conveyance and detention

- Choosing storage system types (detention basins, retention ponds, infiltration basins)
- Choosing an underground storage system
- Sustainable best practices in stormwater detention/retention

Presented by

Gary W. LaForge President at LaForge & Associates, LLC

20 USSBSNU1 7 23 WEBR PC - 20 USSBSNU2 7 24 WEBR PC

2. Advanced Construction Contracts: Crisis Response, **Risk Management, and Dispute Resolution Tuition**: \$199

Monday, July 27, 2020, 10:30 am – 3:00 pm CDT (incl. two 15-min. breaks)

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 CE Hours AIA: 4.0 LU|Elective

Agenda Highlights:

Handling construction contract issues related to COVID-19 Managing risk in construction and design contracts Resolving construction disputes

Presented by

W. Matthew Bryant Partner with Saul, Ewing, Arnstein & Lehr, LLP in Chicago Jason N. Smith Partner at Seyfarth Shaw LLP, Washington D.C. Michael E. Wagner, Jr. Associate at Seyfarth Shaw LLP, Washington, D.C.

20 USACONC1 7 27 WEBR TC

Tuition: \$149

3. Advanced Construction Contracts: Sustainability Design and Ethics

Tuesday, July 28, 2020, 10:30 am – 1:30 pm CDT (incl. 30-min. break)

Credits: Professional Engineers: 2.5 PDHs Architects: 2.5 HSW CE Hours AIA: 2.5 LUHSW

Agenda Highlights:

Contract issues on sustainable design and construction projects Ethical considerations in contract negotiation, drafting and administration

Presented by

Ryan Jezdimir Attorney with Blevins Sanborn Jezdimir Zack PLC, in Detroit, MI Alison R. Mullins Partner at Shannon, Mullins & Wright, LLP, in Alexandria, VA

20 USACONC2 7 28 WEBR TC

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www.halfmoonseminars.org/webinars/

4. Stream Restoration for Design Professionals

Monday, July 27, 2020, 11:00 am - 2:30 pm CDT (incl. 30-min. break) **Tuition**: \$299 Tuesday, July 28, 2020, 11:00 am - 3:00 pm CDT (incl. 30-min. break)

Credits: Professional Engineers: 6.5 PDHs Floodplain Managers: 6.5 ASFPM CECs Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs

Agenda Highlights:

The behavior of surface water Introduction to geomorphology Tools for assessment and restoration Design considerations Lessons learned: construction considerations

Presented by

Brian J. Kwiatkowski Applied Ecological Services

Craig A. Straub Civil and Environmental Consultants, Inc.

20 USSR4DP1 7 27 WEBR TC - 20 USSR4DP2 7 28 WEBR TC

Tuition: \$299

5. Seismic Design of Buildings: **Importance of Seismic Ground Motions**

Tuesday, July 28, 2020, 11:00 am – 2:30 pm CDT (incl. 30-min. break) Wednesday, July 29, 2020, 11:00 am - 3:30 pm CDT (incl. 30-min. break)

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LUHSW International Code Council: .7 CEUs (Building)

Agenda Highlights:

Understanding the effect of seismic loads on buildings Reviewing applicable building codes and design guidelines Site-specific ground motion procedures for seismic design Selection and modification of time histories for seismic design Soil structure interaction for seismic design

Presented by

Jorge F. Meneses, Ph.D., P.E., G.E., D.GE, F.ASCE

Principal Geotechnical Engineer, RMA Group, Inc.

20 USSEISD1 7 28 WEBR CP - 20 USSEISD2 7 29 WEBR CP

6. The Tree Course

Wednesday, July 29, 2020, 9:00 am - 4:30 pm CDT (incl. 30-min. break)

Current threats

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs ISA: 6.5 Certified Arborist, Municipal Specialist; 5.5 Climber Specialist, Utility Specialist,

Aerial Lift; 2.25 BCMA Practice; 2.2 BCMA Science; 2.0 BCMA Management

Trees and risk management

Agenda Highlights:

Benefits of trees Tree/site selection Identifying tree problems

Presented by

Marty Shaw, RCA, BCMA Author of The Professional Amenity Plant Appraisal Handbook

Tree biology, soils and tree health

20 USTREESCS 7 29 WEBR WL

Tuition: \$299

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7. Roadway Design

Thursday, July 30, 2020, 11:00 am - 3:00pm CDT (incl. 30-min. break) **Tuition**: \$299 Friday, July 31, 2020, 11:00 am - 3:00pm CDT (incl. 30-min. break) Credits: Professional Engineers: 7.0 PDHs Contractors: Non-Credit Continuing Ed

Agenda Highlights:

Project design criteria Designing roadways Design process Environmental studies Horizontal and vertical alignment Designing typical sections Cross sections and earthwork Hydraulic design considerations Pedestrian and bicycle facilities

Presented by

8. Ethical Issues for Engineers: Complying with Rules of Professional Conduct

Friday, July 31, 2020, 12:00 – 1:00 pm CDT

Credits: Professional Engineers: 1.0 Ethics PDHs

Agenda Highlights:

Responsibility to the public - Health, Safety and Welfare Signing and sealing documents Environmental concerns

Presented by

Eric O. Pempus, FAIA, Esq., NCARB Risk Manager, Member/Hearing Officer, AIA National Ethics Council

9. Complying with Fire Protection and Building Codes

Tuesday, August 4, 2020, 11:00 am – 2:25 pm CDT (incl. 15-min. break) Wednesday, August 5, 2020, 11:00 am - 3:05 pm CDT (incl. 15-min. break)

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU|HSW International Code Council: Pending

Agenda Highlights: Fire protection and life safety design Means of egress

Presented by Bryan Hoskins, Ph.D.

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Sidney May, P.E. Licensed Civil Engineer with over 10 years of experience 20 USRDWDN1 7 30 WEBR JB - 20 USRDWDN2 7 31 WEBR JB

Tuition: \$50

Engineers licensing code of conduct vs. voluntary professional association code of ethics Rules and examples of selected Code of Ethics for Engineers and NSPE rules

20 USCWROPC 7 31 WEBR CP

Tuition: \$299

Occupancy classifications Fire protection features and equipment

Assistant Professor of Fire Protection & Safety at Oklahoma State University 20 USCWFPB1 8 4 WEBR PC - 20 USCWFPB2 8 5 WEBR PC