

# Credit Information

## Wildfire Management on Rural Lands

This webinar offers 6.0 PDHs to professional engineers licensed in all states. It offers 6.0 HSW continuing education hours to landscape architects in most states and 6.5 HSW continuing education hours to architects licensed in all states. .

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and landscape architects via its registration with the Landscape Architecture Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and 79-1.5(i)(2)). Courses approved by LA CES qualify for Florida and North Carolina Landscape Architects. Other states do not preapprove continuing education providers or courses. HalfMoon Education is not seeking course approval for landscape architects in New Jersey.

This course has been approved by the Landscape Architecture Continuing Education System for 6.0 HSW PDHs. Only full participation is reportable to the AIA/CES and LA CES.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The American Institute of Architects Continuing Education System has approved HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). This course has been submitted for AIA CES approval and is pending. Only full participation is reportable to the AIA CES.

The Society of American Foresters has approved this course for 4.5 SAF Cat 1 Hours and 1.5 SAF Cat 2 Hours.

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).

## Construction Cost Estimating and Value Engineering

This webinar offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to architects licensed in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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).

## Can't Attend? Order these Webinars as a Self-Study Packages!

Recordings of each webinar are available for purchase. See course listing 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.

## Live, Interactive Webinars

- Wildfire Management on Rural Lands
- Construction Cost Estimating and Value Engineering

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

HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



# Live, Interactive Webinars

## Wildfire Management on Rural Lands

- Thursday, April 28, 2022 | 12:00 - 3:15 pm CDT
- Friday, April 29, 2022 | 12:00 - 3:15 pm CDT

## Construction Cost Estimating and Value Engineering

- Friday, April 29, 2022 | 8:30 am - 3:20 pm CDT

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

[www.halfmoonseminars.org](http://www.halfmoonseminars.org)

or call our Customer Service Department at (715) 835-5900



# HalfMoon Education Live Webinars



## Wildfire Management on Rural Lands

Thursday, April 28, 2022 | 12:00 - 3:15 pm CDT  
Friday, April 29, 2022 | 12:00 - 3:15 pm CDT

Credits: Professional Engineers: 6.0 PDHs  
Architects: 6.0 HSW CE Hours    AIA: 6.0 LU|HSW  
Landscape Architects: 6.0 HSW CE Hours    LA CES: 6.0 HSW PDHs  
Foresters: 4.5 SAF Cat 1 Hours, 1.5 SAF Cat 2 Hours



## Construction Cost Estimating and Value Engineering

Friday, April 29, 2022 | 8:30 am - 3:20 pm CDT

Credits: Professional Engineers: 6.0 PDHs    Architects: 6.0 HSW CE Hours  
AIA: 6.0 LU|HSW

To register, visit us online at  
[www.halfmoonseminars.org](http://www.halfmoonseminars.org)  
or call our Customer Service Department at (715) 835-5900



HalfMoon Education Inc.  
[WWW.HALFMOONSEMINARS.ORG](http://WWW.HALFMOONSEMINARS.ORG)

# Wildfire Management on Rural Lands

Thursday, April 28, 2022 | 12:00 - 3:15 pm CDT (incl. a 15-min break)

Friday, April 29, 2022 | 12:00 - 3:15 pm CDT (incl. a 15-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Professional Engineers: 6.0 PDHs  
Architects: 6.0 HSW CE Hours      AIA: 6.0 LU|HSW  
Landscape Architects: 6.0 HSW CE Hours      LA CES: 6.0 HSW PDHs  
Foresters: 4.5 SAF Cat 1 Hours, 1.5 SAF Cat 2 Hours

## Agenda Day One

### Wildfire Science and History

J. Bailey

History of wildfire in the American West

Causes and effects of wildfire

Effect of fire on built environment

Land use planning

Federal, state and local fire planning

### Creating Resilient Landscapes

J. Bailey

Managing vegetation

Managing fuels

## Agenda Day Two

### Adapting Communities to Fire Risks

D. Leavell

Reducing possibilities for ignition

Reducing fuel

Protecting community assets

Community Wildfire Protection Plans (CWPP)

### Responding to Wildfires

D. Leavell

Responding safely and efficiently to fire

Structure protection

Strategies to limit spread of fire

Public safety concerns

## Presented by

**John Bailey** is a professor of Silviculture and Fire Management in the College of Forestry at Oregon State University. He obtained his BS and MF degrees from Virginia Tech (as a native Virginian) in the 1980s, then worked for 6+ years with the Environmental Protection Agency here in Corvallis, Oregon, on forest stressors. He completed a PhD degree at Oregon State University and joined the faculty at Northern Arizona University in 1996, where he worked in Ponderosa Pine silviculture, fuels management and ecological restoration. He returned to OSU in 2006 to continue research on fuels/fire management and sustainable forestry in drier fire-prone forest types, as well as multi-story management in mixed forest types for broad ecosystem objectives. His recent research and outreach focus is on landscape-scale wildfire risk and how to use sustainable forest management to minimize the adverse impacts of future wildfire in uncertain climatic times.

**Daniel Leavell** is an associate professor of practice in Forest and Fire Science at Oregon State University's College of Forestry. As of last June, he was given the job of lead in developing a fire-based education, training, and experience program for the College. Mr. Leavell has worked in various locations throughout the northwest and Rocky Mountains as a forester, silviculturist, botanist, program manager and NF staff. He has worked from Florida to Alaska on wildfire, hurricane, flood, and other emergency incidents as a firefighter (held all NWCG operation section positions, safety officer, line EMT, field observer, situation unit leader, infrared interpreter, BAER team, and other positions), fire and emergency incident manager (Type 1 and 2 Operations Section Chief, Incident Commander Type 3), and forest/fire ecologist – for the Forest Service, States and various academic/ state institutions (1973 to 2012).

Mr. Leavell has also been a private consultant in forestry and ecology (2010 to 2014), a volunteer fire chief for a NW Montana structure fire dept (2006 to 2012), an assistant professor of practice and forest/fire extension agent for Oregon State University, College of Forestry Extension in Klamath and Lake County, Oregon (2014 to 2020), a volunteer firefighter/EMT for a county fire department in Klamath Falls (2015 to 2018). He was also severed in the Navy from 1969 to 1974 and earned BS and MS degrees in Forestry/Forest Science at Oregon State University (1977 and 1992 respectively) and a PhD from University of Montana in Landscape, Community, And Disturbance Ecology (2000).

22 USWFRMR1 4 28 WEBR AM - 22 USWFRMR2 4 29 WEBR AM

# Construction Cost Estimating and Value Engineering

Friday, April 29, 2022 | 8:30 am - 3:20 pm CDT (incl. a 30-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Professional Engineers: 6.0 PDHs

Architects: 6.0 HSW CE Hours

AIA: 6.0 LU|HSW

## Agenda

### Producing Different Types of Cost Estimates

Purposes of and methodologies for cost estimates

Rough order of magnitude (ROM)

Concept/schematic

Design development

Construction/permit documents

Bid/final documents

### Construction Estimating Resources and Processes

Estimating formats (Uni-format, CSI, etc.)

Estimating/take-off software

Estimating process

Estimating team

Data resources

### Estimating Labor, Equipment

Estimating labor costs

Estimating for construction equipment costs

Estimating overhead costs

Estimating profit

Contingencies (design & escalation)

### Evaluation of Cost Estimate - Materials and Services

Specific areas of work by CSI Division

Specialty cost items to look for

Subcontractor mark-ups

Soft costs/FF&E

### Value Engineering – Related Cost Impact

Introduction to the VE Workshop

The A&E's role

How the estimate of record is used

The cost impacts of creativity

Results and implications for the owner's budget

## Presented by

**Don “D” Daigle** *Certified Value Specialist (CVS), Certified Professional Estimator (CPE)*

*with Downey & Scott, LLC in Warrenton, VA*

Mr. Daigle brings an invaluable perspective from his 42 years of construction management and engineering experience. He has worked as an estimator, project/construction manager and was the owner/operator of a firm for nationwide construction projects. Mr. Daigle led the successful completion of various public and private construction projects, ranging from college & university campuses to public safety facilities. He has a wide range of experience in value engineering, cost estimating and cost management, life cycle cost analysis, design, master planning, scheduling, quality control techniques, negotiation and administration of contracts. Mr. Daigle also has been trained in the MCACES 2nd Generation (Mii) estimating software used in estimating projects for the U.S. Military. He maintains the highest degree of professionalism and confidentiality while providing services on sensitive and classified projects. Mr. Daigle's tenure as a construction engineer and project manager adds a valuable perspective to today's dynamic market.

**Added Value:** Enhance your learning - a recording of each webinar will be available for attendees to stream online for two weeks after the program date.  
(live webinar attendance required to receive credit)

## Can't Attend? Order these Webinars as a Self-Study Packages!

Recordings of each webinar are available for purchase. See course listing 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.

## Christopher Taylor

*Senior Preconstruction Manger with Downey & Scott, LLC in Warrenton, Virginia*

Mr. Taylor brings an invaluable perspective from his 36 years of construction experience. He has worked as a preconstruction manager, estimator, project manager, commissioning liaison and company executive with several respected mechanical contractors and construction management firms. Mr. Taylor has led the successful completion of various public and private construction projects, ranging from K-12 projects to higher education projects to office buildings to public safety facilities to net zero projects. In the past, he has also held various security clearances to work on sensitive and classified government agency projects. His unique ability to analyze and cost construction (specializing in mechanical cost) in both upfront and life cycle aspects has contributed to project success and effectiveness. Mr. Taylor works daily on a variety of projects and utilizes the most recent technology to insure the best work product possible. He is versed in all types of construction delivery methods – design/bid/build, design/build, PPEA, and construction manager-at-risk. Mr. Taylor also has extensive knowledge of the various mechanical and plumbing aspects of the projects – unitary equipment, central plant equipment, hydronic piping systems, steam piping systems, variable refrigerant flow systems, ductwork systems, VAV systems, gas piping, domestic water piping, DWV piping, laboratory piping and plumbing fixtures/equipment to name a few. While very adept at mechanical systems, he has also worked with every construction division for cost estimating, project coordination and construction management. His proficiency, professionalism and team player mentality is reflected in the high quality of the workmanship he puts into every project. Mr. Taylor is also proficient in networking with client contacts and maintaining the highest degree of professionalism and confidentiality while providing services for each client.

**Michael Van Dyke** *Project Manager with Downey & Scott, LLC*

Mr. Van Dyke has 26 years of experience in the construction industry ranging from heavy equipment repair and excavation to all aspects of custom home building. Since 2007 he has worked with Downey & Scott as a civil estimator. He has a bachelor's degree in Agricultural Business from Virginia Tech. Mr. Van Dyke also works with the Mii version of the U.S.Military's MCASES cost estimating software.

22 USCCOSTE 4 29 WEBR LH

## Additional Learning

### International Building Code 2021

- Tues, Apr 12, 2022 | 8:00 am - 4:00 pm CDT

### IBC Building Classification,

### Occupancy and Mixed Occupancies

- Wed, Apr 13, 2022 | 9:00 am - 4:30 pm CDT

### Designing for Fire Protection

- Tues, Apr 19, 2022 | 9:00 am - 4:00 pm CDT

### Structural Forensic Engineering

- Tues, Apr 19, 2022 | 9:00 am - 3:50 pm CDT

### Low Impact Development

- Wed, Apr 20, 2022 | 10:00 am - 2:00 pm CDT

- Thurs, Apr 21, 2022 | 10:00 am - 12:45 pm CDT

### Managing Construction with AIA

### Document A201: General Conditions

- Thurs, Apr 21, 2022 | 9:00 am - 4:30 pm CDT

### IBC Significant Changes:

### Administration and Building Planning

- Fri, April 29, 2022 | 11:00 am - 3:30 pm CDT

For more information and other online learning opportunities visit: **www.halfmoonseminars.org**

To register and to see other learning opportunities, please visit:

**www.halfmoonseminars.org**

or call our Customer Service Department at (715) 835-5900