

Agenda

Presented by

Daniel Frondorf, CPE, CDT, and Gilbert A. Laterza, CPE, PSP

Overview of Project Delivery Systems, Phases and Documentation

- Project delivery systems
- Project phases
- Managing the design effort
- Project documentation
- Project impacts

Overview of Contracting and Bidding

- Basic contract principles
- Contract formation
- Bid document review
- Key contract provisions
- Dispute resolution

Estimating Principles

- Mechanics of estimating
- Design phase estimates
- The estimating role in the development of bid documents
- Using estimating to control costs
- Risk assessment and its role in developing project contingency

Scheduling – Start to Finish

- Preconstruction scheduling
- Baseline schedule preparation
- Schedule monitoring and updating
- Evaluating project impacts

Construction Phase

- Managing equipment and materials
- Managing labor and safety
- Change orders and constructive changes
- Handling delays and disputes
- Schedule of values, pay applications

Project Close-Out and Turn-Over

- System testing and commissioning
- Final inspection
- Guarantees and warranties
- Turn over of drawings, technical information and user manuals

Managing Construction Projects

Cincinnati, OH - Friday, October 19, 2018

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Learning Objectives

You'll be able to:

Understand project phases, and discuss contract formation and administration.

Utilize estimating to control costs throughout the entire construction process.

Create, monitor and update project schedules.

Manage equipment and materials, as well as labor and safety, during the construction phase.

Review procedures for handling delays, change orders, and disputes.

Discuss project close out and turn-over, including final inspections and systems testing.



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Review project delivery systems, project phases and documentation practices

Explore construction contracting and bidding principles

Learn how to estimate labor, overhead, materials and profit

Discuss the construction scheduling process from start to finish

Participate in project closeout, including system testing, commissioning and inspection

Continuing Education Credits

Professional Engineers

7.0 PDHs

Contractors

Non-Credit Continuing Ed.

Architects

7.0 HSW Continuing Ed. Hours

7.0 AIA HSW Learning Units



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Daniel Frondorf, CPE, CDT, DG Frondorf and Associates LLC, Cincinnati
Mr. Frondorf owns and operates Cincinnati based DG Frondorf and Associates LLC, a construction cost estimating consulting firm. Dan is a member of CERT, AACE, and ASPE and has 22 years of service as a construction estimator. He has presented several seminars on estimating practices and ethical bidding topics to trade associations and at industry events. Mr. Frondorf is also a past instructor of construction estimating at the University of Cincinnati and has guest lectured there and at Cincinnati State Technical and Community College. He has also written several articles on estimating related topics in *Estimating Today* and *Design Cost Data* magazines.

Gilbert A. Laterza, CPE, PSP, Wood, PLC, Cincinnati
Mr. Laterza has more than 39 years of proven construction and engineering experience that includes office and on-site project management. Current roles include management, estimating, project cost, planning, and scheduling for proposals and projects. Mr. Laterza also has experience in the power generation, paper, governmental, industrial, manufacturing, and commercial sectors. His responsibilities include overseeing and estimating for greenfield and brownfield projects, updating corporate estimating databases, evaluating project scope for estimate development, and reviewing site conditions. When required, Mr. Laterza performs quantity take-offs, labor rate schedules, materials pricing, and sourcing from historical data and local vendors and distributors. He includes in-direct costs; estimate basis and methodology including equipment rentals, estimate plans, basis of estimate documentation; and project proposal. Mr. Laterza provides leadership for other estimators and schedulers on the use of estimating and scheduling software, including updates to the software and database, and historical pricing maintenance.

Seminar Information

Holiday Inn Eastgate (I-275E)
4501 Eastgate Blvd.
Cincinnati, OH 45245
(513) 752-4400

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.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states, excluding Florida architects. Educators and courses are not subject to preapproval in Ohio.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

This course offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor licensing entity for licensing maintenance.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

Community Solar and Rooftop Solar

- **Community Solar**
Wed., Sept. 5, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**
Thurs., Sept. 6, 2018, 11:00 AM - 2:15 PM CDT

Seismic Design and Construction

- **Seismology and Building Codes**
Wed., Sept. 12, 2018, 11:00 AM - 3:30 PM CDT
- **Seismic Design of Building Structures**
Thurs., Sept. 13, 2018, 11:00 AM - 3:30 PM CDT

Small Wind Energy Systems

- **Small Wind Energy System Components**
Thurs., Sept. 20, 2018, 11:00 AM - 1:00 PM CDT
- **Small Wind Energy Siting and Sizing**
Fri., Sept. 21, 2018, 11:00 AM - 1:00 PM CDT

Slope Stabilization and Landslide Prevention

- **Analyzing the Stability of Slopes**
Tues., Sept. 25, 2018, 11:00 AM - 2:15 PM CDT
- **Slope Stabilization Methods**
Thurs., Sept. 27, 2018, 11:00 AM - 2:15 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
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Complete the entire form. Attach duplicates if necessary.	
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: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____

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A full recording of this seminar is available for \$289, which includes shipping and handling. This learning method does not qualify for the continuing education requirements of Ohio engineers, or AIA members. Please allow five weeks from the seminar date for delivery.

