Learning Objectives

You’ll be able to:

- Analyze the methodologies for creating design estimates, bid estimates, and control estimates.
- Examine estimating resources, including the estimating team, data resources, and CSI Masterformat.
- Estimate labor costs, construction equipment costs, overhead costs, and profit.
- Calculate costs of earthwork, pavements, concrete, steel, roofing, interiors, plumbing, and electrical systems.
- Estimate mechanical, electric and plumbing systems.
- Review industry standard estimating software.

Agenda

Producing Different Types of Cost Estimates
- Design estimate
- Bid estimate
- Control estimate

Construction Estimating Resources and Processes
- Estimating team
- Estimating process
- Data resources
- CSI Masterformat

Estimating Labor, Equipment, Overhead and Profit
- Estimating labor costs
- Estimating for construction equipment costs
- Estimating overhead costs
- Estimating profit

Estimating Construction Materials and Services
- Earthwork and excavation
- Pavements
- Concrete structures
- Wood structures
- Steel structures
- Masonry
- Floors
- Roofing
- Interiors
- Finishes

Estimating Mechanical, Electrical and Plumbing
- Plumbing
- Electrical systems
- Mechanical systems

Using Construction Estimating Software
- Review of industry-standard software
**Faculty**

Daniel Frondorf  
DG Frondorf and Associates LLC, Cincinnati  
Mr. Frondorf owns and operates Cincinnati-based DG Frondorf and Associates LLC, a construction cost estimating consulting firm. He is a member of Consulting Estimators Round Table (CERT), ACE, and the American Society of Professional Estimators (ASPE), and he 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 magazines.

**Seminar Information**

Holiday Inn Airport SE-Mall Area  
2700 Pilot Knob Road  
Eagan, MN 55121  
(651) 454-3434

**Registration**

Receive a reduced tuition rate of $101 for individual registration.

$259 for three or more simultaneous registrations.

Included with your registration:
- Lodging at the hotel or nearby area
- Seminar materials
- Breakfast and lunch

Registration:
- 8:00 – 8:30 am
- Morning Session
- 8:30 am – 12:00 pm
- Afternoon Session
- 1:00 – 4:30 pm

**Tuition**

$279 for individual registration

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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.halfmoonevents.org.

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This seminar is open to the public and offers 6.5 HSW PDHs/continuing education hours to professional engineers and architects in all states, except Florida architects. Educators and courses are not subject to preapproval in Minnesota. This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. 188). Only full attendance can be reported to the AIA/CES.

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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.

**Can’t Attend? Order the CD/Manual Package:**

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**Additional Learning**

**Webinar Series**

**Stormwater Management Systems**
- **Basics of Stormwater Regulations and Requirements, Including New EPA Regulations**
  - Thurs., Oct. 4, 2018, 11:00 AM - 12:00 PM CDT
- **Working with the HEC-RAS User Interface**
  - Thurs., Oct. 18, 2018, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
  - Fri., Oct. 19, 2018, 1:00 - 3:00 PM CDT
- **Cost Estimating Related Topics**
  - Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

**Construction Cost Estimating**
- **Introduction to Cost Estimating**
  - Thurs., Oct. 25, 2018, 11:00 AM - 1:00 PM CDT
- **Cost Components – A Closer Look at the Estimates**
  - Thurs., Oct. 25, 2018, 1:00 - 3:00 PM CDT
- **Cost Estimate Organization and Examples**
  - Fri., Oct. 26, 2018, 11:00 AM - 1:00 PM CDT
- **Cost Estimating Topics**
  - Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

**HEC-RAS Webinar Series**
- **Hydraulic Principles and Applications**
  - Thurs., Oct. 18, 2018, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
  - Thurs., Oct. 18, 2018, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
  - Fri., Oct. 19, 2018, 1:00 - 3:00 PM CDT
- **Cost Estimating Related Topics**
  - Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

**Registration**

**Construction Cost Estimating**

Eagan, MN - Friday, October 26, 2018

**How to Register**

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- Phone: 715-835-5900
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- Address: PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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- I am not attending. Please send me the CD manual package for $289.00. (S&H included. Please allow five weeks for seminar date for delivery)

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