

# Agenda

*Presented by Floyd Ostrowski, PMP*

## Construction Scheduling and Cost Control Webinar Series Day One

Thursday, February 25, 2021 | 9:30 am - 2:00 pm CST (including a 30-min. break)

### Project Selection, Scheduling, and Time Management

Project selection (engineering economy)

- Payback period
- Net present value
- Internal rate of return (IRR)

Scheduling in project planning and cost control

- Planning and scheduling
- Scheduling and project management
- Use a work breakdown structure (WBS)
- Network diagrams
- Precedence diagramming methods
- 3-point estimating
- Reserve analysis

### Critical Path Method (CPM) Scheduling and Diagram

Development of CPM

Introduction to main features

Finding the critical activities and the critical path

Creating a CPM logic diagram

- Understand the project goals, components and processes
- Identify the activities
- Calculate durations
- Find start and finish dates
- Find the critical path

## Construction Scheduling and Cost Control Webinar Series Day One

Friday, February 26, 2021 | 9:30 am - 2:00 pm CST (including a 30-min. break)

### Cost Management, Risk Management Human Resources, FMEA

Earned value management (EVM)

Cost baseline

Project control

Performance measurements

Increased productivity and cost control

Variable/fixed costs

Direct/indirect costs

### Change Control, Procurement, Quality Management

Resource allocation and resource leveling

Materials management/inventory

Control

Procurement contracts

Lean/Six Sigma/ISO

Quality/grade

## Construction Scheduling and Cost Control

Online - Thurs., February 25 and Fri., February 26, 2021



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

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

# Learning Objectives

### You'll be able to:

**Calculate** the payback period and net present value for new construction projects.

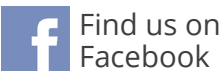
**Discuss** the importance of scheduling in project planning and cost control.

**Use** work breakdown structure to integrate project scope, cost and scheduling.

**Find** project durations and develop schedules using the critical path method.

**Learn** techniques for increasing productivity and controlling costs.

**Allocate** resources, manage materials and inventory, and control quality during construction.



Find us on  
Facebook

HalfMoon Education Online Learning

# Construction Scheduling and Cost Control

*Live, Interactive Webinar*

*Thursday, February 25 and Friday, February 26, 2021*



**Discuss** the role of scheduling in project planning and cost control

**Learn** about work breakdown structure, network diagrams and 3-point estimating

**Use** the critical path method to establish project start and finish dates

**Use** earned value management to measure performance

**Allocate** resources and manage materials

**Manage** quality and discuss lean construction and Six Sigma principles

### Continuing Education Credits

**Professional Engineers**  
8.0 PDHs

**Architects**  
8.0 CE Hours (not HSW)

**AIA**  
8.0 LU | Elective

**International Code Council**  
.8 CEUs (Administration)



HalfMoon Education Inc.  
WWW.HALFMOONSEMINARS.ORG

**AIA**  
Continuing  
Education  
Provider

# Faculty

**Floyd Ostrowski, PMP** *Assistant Professor of Practice, University of Tennessee*

Mr. Ostrowski is an assistant professor of practice for the Department of Industrial and Systems Engineering at the University of Tennessee in Knoxville. He has a 40-year progressive track record in advanced manufacturing concepts beginning as a machinist apprentice and culminating in a chief operating officer position with multi-plant, multi-state, international operations experience. He has strong lean manufacturing skills. His work and experience have attained results that have radically streamlined and improved supply chain processes and have improved profitability, responsiveness, inventory turns and customer satisfaction. This was accomplished through driving the implementations of JIT (pull replenishment), TQM, and employee empowerment (Kaizen blitz events and cross functional teams). Mr. Ostrowski earned his BA degree in Business Administration from Antioch University in 1990 and his MS degree in Industrial Technology, Manufacturing Concentration, from East Carolina University in 2002. He also received executive education from Harvard Business School in Operations Management and Finance.

# Webinar Information

**Day One: Thursday, February 25, 2021**  
9:30 am - 2:00 pm CST (including a 30-min. break)

**Day Two: Friday, February 26, 2021**  
9:30 am - 2:00 pm CST (including a 30-min. break)  
*(please log into the webinar 15 - 30 minutes before start time)*

**Tuition**  
**\$289** for individual registration  
**\$199** for three or more registrants from the same company at the same time.  
***Included with your registration:*** PDF seminar manual.

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit [www.gotowebinar.com](http://www.gotowebinar.com).

**Cancellations:** Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

# Additional Learning

**Estimating the Cost of Sitework**  
- Fri., Jan. 29, 2021 | 7:30 am - 3:30 pm CST

**Site Design**  
- Fri., Jan. 29, 2021 | 8:00 am - 4:00 pm CST

**Effective Stormwater Infiltration**  
- Tues., Feb. 2, 2021 | 8:30 am - 4:45 pm CST

**Drones in Construction**  
- Tues., Feb. 2, 2021 | 10:00 am - 4:50 pm CST

**A Roadmap to Ethical Issues in Construction: A Primer for Design Professionals**  
- Tues., Feb. 2, 2021 | 11:00 am - 1:00 pm CST

**Foundation Damage and Repair: Science, Materials and Techniques**  
- Wed., Feb. 3, 2021 | 9:00 am - 4:30 pm CST

**Understanding Mixed Occupancies under the IBC**  
- Thurs., Feb. 4, 2021 | 7:30 am - 3:20 pm CST

**Erosion and Sediment Control**  
- Mon., Feb. 8, 2021 | 11:00 am - 1:45 pm CST  
- Tues., Feb. 9, 2021 | 11:00 am - 1:45 pm CST

**Architectural Application for Means of Egress in 2018 IBC**  
- Thurs., Feb. 11, 2021 | 8:30 am - 5:00 pm CST

**Introduction to HEC-RAS Modeling**  
- Thurs., Feb. 11, 2021 | 8:30 am - 5:00 pm CST

**2021 International Residential Code: Fundamental Provisions, Concepts, and Existing Buildings**  
- Fri., Feb. 12, 2021, 11:00 am - 3:30 pm CST

**Construction Project Management**  
- Fri., Feb. 12, 2021 | 11:00 am - 3:15 pm CST

**Handling Ethical Issues in Construction Contracting**  
- Tues., Feb. 16, 2021 | 9:00 - 10:00 am CST

**Stormwater Basins and Underground Systems**  
- Tues., Feb. 23, 2021 | 9:00 am - 4:30 pm CST

For more information and other online learning opportunities visit:  
**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**

**Continuing Education Credit Information**

This webinar offers 8.0 PDHs to professional engineers licensed in all states and 8.0 non-HSW continuing education hours to architects licensed in states that accept non-HSW coursework.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 5554646), Indiana (License No. CE21655559), Maryland, New Jersey (Approval No. 24GP55555655), North Carolina (S-5135), and North Dakota. 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 8.0 LU | Elective (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .8 CEUs in the specialty area of Administration (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to all prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

**Can't Attend? Order the Webinar as a Self-Study Package!**  
Recordings of this webinar are available for purchase. See registration panel 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.

# Registration

**Construction Scheduling and Cost Control**  
Live, Interactive Webinar - Thursday, February 25 and Friday, February 26, 2021

| How to Register                                                                          |              | <b>Registrant Information</b><br>Name: _____<br>Company/Firm: _____<br>Address: _____<br>City: _____ State: _____ Zip _____<br>Occupation: _____<br>Email: _____<br>Phone: _____<br><br><b>Additional Registrants:</b><br>Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____<br>Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____<br>Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____<br><br>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.<br><br>( )  I need special accommodations. Please contact me. |
|------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Online:</b><br><a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a> |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Phone:</b><br>715-835-5900                                                            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Fax:</b><br>715-835-6066                                                              | <b>Code:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Mail:</b><br>HalfMoon Education Inc.,<br>PO Box 278, Altoona, WI<br>54720-0278        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Complete the entire form.</b><br>Attach duplicates if necessary.                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Tuition**

( ) **I will be attending the live webinar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$199.00** each.

( ) **I am not attending.** Please send me the webinar recording:

☐ Streamable MP4 Video/PDF Manual for **\$299.00**.

☐ USB Video/PDF Manual for **\$299.00**.

**Checks:** Make payable to HalfMoon Education Inc.

**Credit Card:** *Mastercard, Visa, American Express, or Discover*

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ CVV2 Code: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Signature: \_\_\_\_\_

Email: \_\_\_\_\_