

# Agenda

*Presented by Rob McConell, PE, LEED, Green Associate*

## Parking Planning and Functional Design

- How much parking do we need?
- Designing for the user
- Site design
- Parking structure planning
  - Layout
  - Circulation
  - Ramps
- Parking operations
- Wayfinding and signage
- Architectural and code considerations
- Security and lighting
- Mechanical, plumbing, and fire protection systems

## Parking Structure System Design

- Structural system selection
- Structural design
  - Gravity
  - Wind
  - Seismic
  - Durability
  - Drainage
  - Volume change

## Parking Structure Maintenance, Restoration, and Repair

- Preventative maintenance
- Typical deterioration and repairs
- Risk of deferred maintenance

### 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. Self-study packages do not qualify for AIA credit.

## Parking Structure Design, Construction and Maintenance

Live, Interactive Webinar - Wednesday, June 30, 2021

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

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



## Learning Objectives

### You'll be able to:

- Participate** in parking structure planning for layout, circulation, ramps, and pedestrian access.
- Discuss** architectural and code compliance considerations.
- Plan** for security, lighting, mechanical, plumbing, and fire protection systems.
- Examine** structural requirements for parking garages, including requirements for gravity loads, seismic loads, and wind loads.
- Design** for drainage and maximum durability.
- Explore** plans for preventative maintenance and typical repairs, and understand the risk of deferred maintenance.



## HalfMoon Education Online Learning

# Parking Structure Design, Construction and Maintenance

Live, Interactive Webinar - Wednesday, June 30, 2021



**Discuss** parking structure planning and functional design

**Comply** with applicable codes and architectural requirements

**Examine** layout, circulation, and ramps

**Plan** security, lighting, mechanical and fire protection systems

**Learn** about structural system selection and structural design

**Discuss** maintenance, restoration, and repair

### Continuing Education Credits

**Professional Engineers**  
6.5 PDHs

**Architects**  
6.5 HSW CE Hours

**AIA**  
6.5 LU|HSW

**International Code Council**  
.65 CEUs (Building)

AIA  
Continuing  
Education  
Provider



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# Faculty

**Rob McConnell, PE, LEED, Green Associate** *Vice President Parking Solutions*  
Mr. McConnell's parking design and consulting experience encompasses more than 20 years of work with airports, governmental agencies, and with military, transit, higher education, resort, healthcare, and corporate clients. He is well-versed in precast concrete, cast-in-place concrete, and steel construction. Mr. McConnell's experience includes numerous restoration, parking study, and programming projects. Several of his projects have received LEED certification, including Colorado State University's Lake Street parking facility, which received LEED Gold.

# Webinar Information

Log into Webinar 8:30 - 9:00 am CDT	Break 12:45 - 1:15 pm CDT
Morning Session 9:00 am - 12:45 pm CDT	Afternoon Session 1:15 - 4:30 pm CDT

**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.

**Can't Attend? Order the Webinar as a Self-Study Package!**  
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# Additional Learning

<b>AIA Contract Document Workshop</b> - Tues, June 1, 2021   8:30 am - 4:30 pm CDT	<b>Writing Successful Proposals and RFPs</b> - Tues, June 8, 2021   8:30 am - 5:00 pm CDT
<b>Commercial Site Pavement Design, Installation and Maintenance</b> - Wed, June 2, 2021   8:30 am - 4:30 pm CDT	<b>Practical Site Engineering: Science &amp; Techniques</b> - Thurs, June 10, 2021   11:00 am - 3:15 pm CDT - Fri, June 11, 2021   11:00 am - 2:15 pm CDT
<b>Skatepark Design and Construction</b> - Wed, June 2, 2021   9:30 am - 4:30 pm CDT	<b>Deep Dive into Slope Stability</b> - Mon, June 14, 2021   10:00 am - 2:30 pm CDT
<b>How to Design and Construct MSE Walls</b> - Wed, June 2, 2021   10:00 am - 1:30 pm CDT	<b>Structural Forensic Engineering</b> - Tues, June 15, 2021   10:00 am - 1:45 pm CDT - Wed, June 16, 2021   10:00 am - 2:15 pm CDT
<b>Basics of Structural Steel Design</b> - Fri, June 4, 2021   8:30 am - 3:45 pm CDT	<b>Engineering Ethics: Handling Ethical Issues in Professional Engineering Practice</b> - Fri, June 18th, 2021   11:00 am - 12:00 pm CDT
<b>National Electrical Code 2020: Grounding and Bonding</b> - Fri, June 4, 2021   8:30 am - 5:00 pm CDT	For more information and other online learning opportunities visit: <b><a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a></b>
<b>Slope Stabilization and Landslide Prevention</b> - Mon, June 7, 2021   8:30 am - 5:00 pm CDT	

**Continuing Education Credit Information**  
This webinar offers 6.5 PDHs to professional engineers 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 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 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.  
  
The International Code Council has approved this event for .65 CEUs in the specialty area of Building (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).

# Registration

**Parking Structure Design, Construction and Maintenance**  
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<b>How to Register</b>	<b>Registrant Information</b>
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
<b>Phone:</b> 715-835-5900	<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____  Name: _____ Occupation: _____ Email: _____ Phone: _____
<b>Fax:</b> 715-835-6066	<b>Code:</b>
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
<b>Complete the entire form.</b> 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.	
<b>Tuition</b> ( ) <b>I will be attending the live webinar.</b> Single Registrant - <b>\$289.00</b> . Three or more registrants from the same company registering at the same time - <b>\$199.00</b> each. ( ) <b>I am not attending.</b> Please send me the webinar recording: <input type="checkbox"/> Streamable MP4 Video/PDF Manual for <b>\$299.00</b> . <input type="checkbox"/> USB Video/PDF Manual for <b>\$299.00</b> .	
<b>Checks:</b> Make payable to HalfMoon Education Inc. <b>Credit Card:</b> <i>Mastercard, Visa, American Express, or Discover</i> Credit Card Number: _____  Expiration Date: _____ CV2 Code: _____  Cardholder Name: _____  Billing Address: _____  City: _____ State: _____ Zip: _____  Signature: _____  Email: _____	
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