

Agenda

Presented by *Bob Stanley, PE, Vladimir I. Ivanov, PE, SE and Dushan A. Milinovich*

Planning for Structured Parking

- How many spaces are needed
- Shared parking concepts
- Site selection

Functional Design

- IntroductionTypes of parking structures
- The level of service approach
- Parking geometricsCirculation systems

Building Codes

- Life safety issuesMeans of egress
- Guards and vehicle barriers

Accessible Parking Design

- Introduction to ADAParking design under ADA
- Other considerations

Passive Security, Lighting and Other Design Elements

Open Q & A and Case Studies/Examples

Structural Systems

- Cast-in-place, post-tensioned
- Precast, prestressed
- Structural design overview

Designing for Durability

- Concrete admixturesExpansion joint systems
- Joint sealantsTraffic coatings
- Life cycle cost

Maintenance, Restoration, and Repair

- The deterioration curve
- Benefits and challenges for various types of parking structures
- Condition assessmentsEstablishing a restoration program
- Repair documentsRoutine repair and maintenance
- Proactive repair and maintenance
- Structural repairs

Design for Adaptive Use

- What is adaptive useAdaptive reuse concepts and basic costs

Open Q & A and Case Studies/Examples

**Parking Structure Design,
Construction and Maintenance**
Portland, OR - Thursday, October 17, 2019

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Learning Objectives

You'll be able to:

Look at site selection criteria and explore shared parking concepts.

Understand parking design under the ADA, and talk about life safety issues.

Review different structural systems, including pre-cast, cast-in-place and post-tensioned.

Design for durability with concrete admixtures and expansion joint systems.

Learn about maintaining and repairing various types of parking structures.



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Understand functional design, including parking geometrics and circulation systems

Explore precast and cast-in-place structural systems

Examine passive security and lighting

Learn about accessible parking design

Design for durability with traffic coatings and joint sealants

Discuss maintenance, restoration and repair

Continuing Education Credits

Architects

- 6.5 HSW CE Hours (CEHs)
- 6.5 AIA LU|HSW

Contractors

- 6.5 Commercial CE Hours

Professional Engineers

- 6.5 PDHs

Oregon Commercial Contractors

- 6.5 CE Hours



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Robert “Bob” Stanley, PE
Managing Principal/Vice President for the Denver office of Walker Consultants
Mr. Stanley has 24 years of parking design and consulting experience in a wide variety of vertical markets including healthcare, education, airports, commercial, retail and entertainment. Mr. Stanley has experience in all aspects of Walker services including new design, restoration, parking consulting, studies, master planning and car park management systems. He is responsible for the management, conduct and quality of projects by ensuring good communication with the client and other team members. Mr. Stanley is an active member of the National Parking Association Parking Consultants Council and is a Certified ParksMart Advisor and an expert in sustainable parking practices. Mr. Stanley contributes to the profession having held numerous leadership positions in several professional and technical societies over the last 24 years.

Vladimir I. Ivanov, PE, SE
Managing Principal of Walker Consultants Seattle office
Mr. Ivanov has over 20 years of forensic engineering and structural design experience with parking garages; multi-family residential, commercial, industrial, and healthcare facilities; stadiums; and bridges. His current focus is on forensic building investigations, façade evaluations, condition appraisals, corrosion-related deterioration, masonry and concrete

repair, as well as building leakage evaluations. Areas of expertise include damage assessments, construction defect analysis, and structural repair design. Mr. Ivanov also has extensive experience in litigation support, expert witness testimony and deposition services.

Dushan A. Milinovich
Project Manager in the Seattle office of Walker Consultants
Mr. Milinovich has over 17 years of experience in construction and design ranging widely from municipal works to building restoration and reuse, schools, athletic facilities, and parking. He has worked internationally including GCC countries, Korea, and Nigeria. Though Mr. Milinovich currently focuses on functional parking design, he also is responsible for creating design documents for parking structural design, restoration, parking consulting, and studies.

Seminar Information

Holiday Inn Portland Airport
8439 NE Columbia Blvd.
Portland, OR 97220
(503) 256-5000

Tuition
\$289 for individual registration
\$269 for three or more registrants from the same company at the same time.

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 12:00 pm
Lunch (On your own)
12:00 - 1:00 pm
Afternoon Session
1:00 - 4:30 pm

Included with your registration: Complimentary continental breakfast and printed seminar manual.

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How to Register

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- Call customer service at 715-835-5900

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Continuing Education Credit Information

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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.

Additional Learning

- Webinar Series**
- Commercial Provisions of the International Energy Conservation Code**
- **Commercial Provisions of the International Energy Conservation Code**
Wed., September 11, 2019, 11:00 AM - 1:00 PM CDT
 - **IECC Provisions for Commercial Building Envelopes**
Wed., September 11, 2019, 1:30 - 4:00 PM CDT
 - **IECC Provisions for Commercial Building HVAC Systems**
Thurs., September 12, 2019, 11:00 AM - 12:00 PM CDT
 - **IECC Provisions for Commercial Building Lighting**
Thurs., September 12, 2019, 12:30 - 2:00 PM CDT

For more information visit:
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Registration

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Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

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- ☐ CD/Manual Package for **\$289.00**.

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