

HalfMoon Education Live Continuing Education Webinars

Pavement Design, Construction and Maintenance

Online - Tuesday, April 4, 2023 | 8:30 am - 3:50 pm CDT

Credits:

Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW

Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs

International Code Council: .65 CEUs (Sitework)

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AIA
Continuing
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Provider



PREFERRED
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PROVIDER

Principles of Pavement Design

Goals of pavement design

- Smooth, stable surface and longevity

Terminology and basic components

- Pavement types
- Asphalt and concrete components
- Traffic loading analysis

Consulting guidelines and standards

Economics and lifecycle analysis

Flexible Pavement Design

Geotechnical investigation and material characterization

Pavement Mechanistic-Empirical Design (PMED)

Mixture design

Preparing and overlaying existing pavement

Rigid Pavement Design

Soil support and subsurface preparation

Mixture content and pavement thickness

Preparing and overlaying existing pavements

Joint design

Maintenance and Rehabilitation

Goals

Non-destructive testing

Distress types

Pavement condition surveys

Preservation techniques

Rehabilitation practices

Designing Specific Elements

Pavement drainage

Design of parking lots and driveways

Design of shared-use pavements

Tuition

\$319 for individual registration

\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Presented by

Mohammad Shafiee, PhD, P.E.

Associate Researcher at the National Research Council, Canada's Construction Research Centre

Dr. Shafiee has several years of R&D experience in transportation geotechnics, pavement mechanics and highway construction materials. Since 2012, he has contributed to more than 27 journal publications and conference proceedings, and he has led and collaborated with different teams on major high-impact projects in climate-resilient pavements and sustainable materials. Some of his recent activities have resulted in development of unique and novel tools such as Performance Graded Asphalt Cement under Changing Climate (PGAC3) and the Pavement Adaptation Support Tool (PAST). His work has also related to use of innovative and sustainable solutions towards circular economy and low-carbon pathways across the pavement sector by using waste by-products and recycled materials in hot-mix asphalt manufacturing.

Tyler Dawson, Ph.D. P.E.

Vice President with NTH Consultants, Ltd. in East Lansing, Michigan

Dr. Dawson is in his 12th year as a pavement, geotechnical, and subsurface utility engineer with NTH Consultants, Ltd. (NTH). He has a wide background in pavement research, management, and design. He has completed research projects for the Michigan Department of Transportation (MDOT) and the Federal Highway Administration (FHWA) involving pavement design, material characterization, maintenance, and management. He has participated in and led numerous projects which have included pavement surface and structural evaluations, geotechnical explorations, subsurface utility engineering (SUE), and transportation utility coordination. Dr. Dawson's geotechnical design experience includes earth retention, embankment, road sign and signal, ITS structure, bridge, and other deep and shallow foundations using LRFD and other techniques. He has also led several geophysical investigations to locate buried structures/utilities and subsurface voids.

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online for more information.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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/HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The above pre-approval(s) only apply to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request: 6.5 HSW LUs (AIA) | 6.5 HSW PDHs (LA CES)

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www.halfmoonseminars.org

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or scan here

