

Agenda

Presented by Dr. Mehran Mazari

Science of Hydrology and Water Infiltration into Soil

- Water resources: groundwater and surface water
- The water cycle
- Water infiltration into soils
- Allowing and promoting water infiltration

Impervious Surfaces in the Built Environment

- Environmental effects of paved surfaces
- Looking at the problems on macro- and micro- scales
- Making changes, one surface at a time

Using Porous Asphalt

- Characteristics of the material
- Costs and benefits, lifecycle cost
- Applications for porous asphalt
- Specifying
- Installing and maintaining

Using Porous Concrete

- Characteristics of the material
- Costs and benefits, lifecycle cost
- Applications for porous asphalt
- Specifying
- Installing and maintaining

Using Permeable Block Configurations

- Characteristics of the material
- Costs and benefits, lifecycle cost
- Applications for porous asphalt
- Specifying
- Installing and maintaining

Additional Considerations

- Compliance with building codes
- Treatment under sustainable building standards
- Financial incentives

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**Permeable Pavements:
Applications, Design and Installation**

Live, Interactive Webinar - Friday, April 19, 2024

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



Learning Objectives

You'll be able to:

Explore the science of water infiltration into soil and identify options for promoting water infiltration.

Identify macro and micro environmental problems caused by impervious surfaces in the built environment.

Examine the characteristics of permeable pavements, including porous asphalt, porous concrete and permeable block.

Identify applications for permeable pavements and calculate up-front and lifecycle costs.

Comply with building code provisions on the use of permeable pavements.



HalfMoon Education Live Webinars

Permeable Pavements: Applications, Design and Installation

Live, Interactive Webinar - Friday, April 19, 2024



Explore the science of water infiltration into soil

Identify the environmental effects of impervious surfaces in the built environment

Get tips on using porous asphalt to increase stormwater infiltration

Identify applications for porous concrete and permeable pavers

Use permeable pavements in compliance with building codes and sustainability standards

Continuing Education Credits

Professional Engineers
6.0 PDHs

Architects
6.0 HSW CE Hours
6.0 AIA LU | HSW

Landscape Architects
6.0 HSW CE Hours
6.0 LA CES HSW PDHs

International Code Council
.6 CEUs (Sitework)



Webinar Information

Friday, April 19, 2024 | 9:00 am - 4:00 pm CDT

Log into Webinar: 8:30 - 9:00 am CDT

First Session: 9:00 - 11:00 am CDT

Break: 11:00 - 11:30 am CDT

Second Session: 11:30 am - 1:30 pm CDT

Break: 1:30 - 2:00 pm CDT

Third Session: 2:00 - 4:00 pm CDT

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.

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Faculty

Dr. Mehran Mazari

Associate Professor of Civil Engineering at California State University Los Angeles

Dr. Mehran Mazari is an associate professor in the Department of Civil Engineering at Cal State Los Angeles (LA), specializing in transportation infrastructure and pavement materials. He is the program manager of the Sikand Center for Sustainable and Intelligent Infrastructures (SITI-Center) and founder of the Sustainable Infrastructure Materials Research Lab (SIM-Lab) at Cal State LA. His research interests include sustainable and resilient transportation infrastructure and transportation infrastructure materials. He is a member of technical committees at the Transportation Research Board of the National Academies of Science and Engineering, and he is co-chair of the LTPP subcommittee of the Highway Pavement Committee of the American Society of Civil Engineers (ASCE). Dr. Mazari has published more than 70 peer-reviewed journal and conference papers. He has been actively involved in several national and state research projects, including the National Highway Cooperative Research Program (NCHRP) and the Federal Highway Administration (FHWA).

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 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 License No: CEA362), 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 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 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 preceding credit information only applies 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:
6.0 HSW LUs (AIA), 6.0 HSW PDHs (LA CES)

Additional Learning

NPDES Stormwater Management Program 2024

- Thursday, March 7, 2024 | 8:30 am - 4:30 pm CST

Federal and State Nutrient Reduction Strategies and Plans

- Monday, March 11, 2024 | 9:00 am - 4:30 pm CDT

Deep Dive into Wetland Mitigation Banking

- Tuesday, March 12, 2024 | 9:00 - 11:00 am CDT

Managing Nitrogen and Phosphorus in Soils

- Wednesday, March 13, 2024 | 9:00 - 11:00 am CDT

Wayfinding for Designers and Building Professionals

- Wednesday, March 13, 2024 | 9:00 am - 12:00 pm CDT

- Thursday, March 14, 2024 | 9:00 am - 12:00 pm CDT

Current Issues in New Urbanism

- Thursday, March 14, 2024 | 9:00 am - 4:00 pm CDT

Stormwater Best Management Practices

- Friday, March 15, 2024 | 9:00 am - 4:15 pm CDT

Sustainable Site Design

- Wednesday, March 20, 2024 | 8:30 am - 4:00 pm CDT

The Language of Horticulture: A Primer

- Thursday, March 21, 2024 | 2:00 - 4:00 pm CDT

The Arborist Short Course:

Advanced Tree Knowledge for Better Tree Care

- Friday, March 22, 2024 | 9:00 am - 4:30 pm CDT

Foundation and Retaining Wall Damage

and Repair: Science, Materials, and Techniques

- Friday, March 22, 2024 | 9:00 am - 4:30 pm CDT

Open Channels: Hydraulics, Design and Construction

- Monday, March 25, 2024 | 9:00 am - 4:30 pm CDT

Environmental Economics

for Land and Development Professionals

- Wednesday, March 27, 2024 | 9:00 am - 4:00 pm CDT

Commercial and High-End Residential Deck

Design and Construction

- Wednesday, April 3, 2024 | 9:00 am - 4:00 pm CDT

Stucco Design, Installation and Repair

- Thursday, April 4, 2024 | 9:00 am - 4:00 pm CDT

Cut Slope and Fill Slope Design, Construction and Repair

- Friday, April 5, 2024 | 9:00 am - 4:00 pm CDT

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