

# PavementDesigner.org Seminar - Thursday, July 26, 2018

APAC-Central Arkhola Training Room

Sponsored by the Arkansas Ready Mixed Concrete Association  
& the Arkansas Chapter American Concrete Institute



## APAC-Central, Inc. - Arkhola

### Training Room

1010 Frontier Road

Barling, AR 72923

9:00 am - 1:30 pm

### Introduction to PavementDesigner.org - Brian Killingsworth, P. E., NRMCA

Learn about the concrete industry's newest pavement thickness design tool. The PavementDesigner.org website is a free tool for designing parking lots, streets and industrial facilities using conventional concrete, roller compacted concrete, concrete overlays, and full-depth reclamation. Brian Killingsworth, P.E., NRMCA's Executive Vice President for Local Paving will lead the seminar providing background on the website and demonstrating its capabilities.



This 90-minute presentation will detail the pavement design platform and reveal other important features of the website.

The session also will include a design demonstration for streets & roads, parking lots/areas and intermodal pavements. The session is intended for concrete industry representatives, design engineers, and public officials.

### Petrography of Concrete - Bobby Bullard, Ash Grove Cement Company

Petrography is a branch of geology that is applied to concrete and concrete raw materials. This technique examines and evaluates the optical properties and microstructural characteristics of the materials. Petrographic analysis for concrete begins by accepting an aggregate for use in concrete (ASTM C295). Once the concrete is hardened, a petrographic examination that follows American Society for Testing and Materials (ASTM) C856 and ASTM C457 can be applied to verify that the product was mixed as designed and that the appropriate or specified materials were used.

Concrete petrography also helps to identify the nature of deterioration or defects, to determine the degree of damage, and to evaluate whether the damage will continue. Perhaps most critically, petrographic analyses aid repair versus replace decisions, making them an integral part of evaluation strategies.

### CLSM Flowable Fill - Brian Killingsworth, P. E., National Ready Mixed Concrete Association

Flowable fill was initially developed over 20 years ago as a solution to reoccurring problems originating from poorly compacted soil or granular fill. The versatile "liquid soil" which is placed as a flowable liquid, yet hardens and rapidly develops excellent load-bearing properties with no compaction necessary.

Attendees will receive handouts, lunch and certificates of attendance.

**Fees:** \_\_\_ \$ 75 ARMCA / AR Chapter ACI Members \_\_\_ \$150 Non-Member

**To be paid by:** \_\_\_ Credit Card \_\_\_ Check Enclosed \_\_\_ Invoice (members only)

Credit Card # \_\_\_\_\_ Exp Date \_\_\_\_\_ VOC \_\_\_\_\_

**Register online:** [www.concretearkansas.org](http://www.concretearkansas.org) or you may call to give credit card number

Name: \_\_\_\_\_ E-Mail \_\_\_\_\_

Company : \_\_\_\_\_ Phone #: \_\_\_\_\_

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

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

**Remit To:** ARMCA (Arkansas Ready Mixed Concrete Association)  
3520 W. 69th Street, Suite 303, Little Rock, AR 72209

**FAX# 501 404 0304 or Email to: [armca@att.net](mailto:armca@att.net)**



#### Continuing Education Credit:

Participants will earn 4 CEUs . This is equal to 4 Professional Development Hours (PDH), or 4 Learning Units (LU) HSW. Certificates will be presented upon completion of the seminar for pre-registered attendees. This seminar is registered with AIA Continuing Education System.

