



The Connecticut Chapter of the American Society of Landscape Architects presents

# Concrete 101

A Continuing Education Program for Landscape Architects, Architects, Engineers, Landscape Contractors, and Anyone Involved in Hardscapes

**Date:** Thursday, February 27, 2014 (Snow Date: March 13)

**Location:** O&G Industries Earth Products Showcase

**Address:** 9 Segar Street / Danbury, CT



Program registered with LACES and AIA-CES for 6.0 CEUs. (Note: Persons who miss a portion of the training — i.e., arrive late/leave early — will NOT be issued a Certificate of Completion.)

Cost: \$90 Member of ASLA, AIA, CNLA, APA, ACEC, CSCE  
\$125 Non-members / \$45 Students (with ID)

REGISTER ONLINE at <http://bit.ly/Concrete101> OR complete the form below and mail back with payment by February 24.

Questions? Contact Jeff Mills at [executivedirector@ctasla.org](mailto:executivedirector@ctasla.org) or (860) 454-8922.

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Learn about:

- **Concrete 101**
- **Concrete Testing**
- **Architectural Finishes**
- **Unique Concrete Technologies**
- **Chemical and Mineral Admixtures**
- **Sustainable Design with Concrete**

See the following pages for course descriptions and bios of our speakers.

PLUS: EXHIBITORS will be on hand to display products and services!

## REGISTRATION FORM

To register online with your credit card, go to <http://bit.ly/Concrete101>. Or complete this form and return with your check (payable to "CTASLA") and mail to:

CTASLA  
c/o J.M. Communications  
35-31 Talcottville Road, Ste. 318  
Vernon, CT 06066

**Deadline:** February 24, 2014

Name: \_\_\_\_\_

ASLA or AIA Member Number (if applicable): \_\_\_\_\_

Company: \_\_\_\_\_

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

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

Email Address(es): \_\_\_\_\_

\_\_\_ Member(s) attending @ \$90 each = \$ \_\_\_\_\_ total

\_\_\_ Non-Member(s) attending @ \$125 each = \$ \_\_\_\_\_ total

\_\_\_ Student(s) attending @ \$45 each = \$ \_\_\_\_\_ total

# Concrete 101



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Thursday, February 27, 2014  
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Showcase, Danbury, CT

## Schedule:

**8:15-9:00 Registration / Continental Breakfast / Exhibitors**

**9:00-10:00 Concrete 101** – *Presenter: Doug O’Neill, National Ready Mix Concrete Association*

Concrete 101 explores the most used and most versatile building material on the planet: *concrete*. By having a better understanding of how concrete actually works from a molecular level, designers and contractors can avoid the most common field problems associated with typical concrete construction. Concepts such as hydration, water/cement ratio, slump, air entrainment, along with other chemical and mineral admixtures will be covered.

**10:00-10:50 Concrete Testing** – *Presenter: Shawn Roberts Independent Materials Testing Lab*

The key to a project’s success is quality materials, workmanship, and designs that perform the way they were envisioned. This module will cover the importance of QA/QC testing in the concrete industry, concrete testing equipment, and some types of forensic techniques when specifications are not met.

**10:50-11:00 Break / Exhibitors**

**11:00-11:50 Architectural Finishes** – *Presenter: Dan Whitaker, Butterfield Colors*

This module will describe the common methods of coloring new and existing concrete, which will allow a designer to select the correct system relative to aesthetics and function. Factors affecting color quality and proper installation techniques will also be discussed. Designers will about material options available for decorative concrete, for both interior and exterior applications.

**11:50-12:45 Lunch / Exhibitors / Networking**

**12:45-1:35 Unique Concrete Technologies** – *Presenter: Mr. Ron Vaughn, Northeast Solite Corp.*

This module will discuss components and applications for unique concrete technologies such as self-consolidating concrete (SCC), flowable fill (controlled low-strength, material), cellular concrete (low density concrete), lightweight aggregate concrete, shotcrete, pervious concrete pavement, ICF’s (insulated concrete forms), and tilt-up concrete structures.

**1:35-2:25 Chemical and Mineral Admixtures** – *Presenter: Doug Smith, Sika Corporation*

Chemical and mineral admixtures that enhance concrete properties will be explored. Topics include: the importance of air entrainment; the need for water reducers, accelerators, and retarders; specialty admixtures such as corrosion inhibitors, shrinkage reducing admixtures, underwater or anti-washout admixtures, fibers, watertight concrete, and pervious concrete admixtures. The importance of admixtures in attaining proper performance and the role of the environment will also be discussed.

**2:25-2:40 Break / Exhibitors**

**2:40-3:30 Sustainable Design with Concrete** – *Presenter: Doug O’Neill, NRMCA*

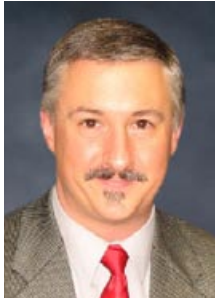
This program will take a detailed look at the important and growing role played by ready-mixed concrete in green building design and construction. Participants will learn how and why ready-mixed concrete is being used to minimize the environmental impact associated with construction and day-to-day building operations, and how it fits into the LEED Green Building Rating System. A brief overview of the MIT Concrete Sustainability Hub will also be included.

**3:30-3:45 Evaluation Forms / Certificates of Completion**

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## **Douglas O'Neill**

Douglas O'Neill, Senior Director with the National Ready Mixed Concrete Association, has been in the cement and concrete industries for the past 22 years. As National Resource Director, he is responsible for developing relationships with companies that design, construct, or operate facilities on a national scale, and sharing with them the vast resources of the concrete industry. Based in Rochester, NY, Doug is a LEED-accredited professional who hosts many of NRMCA's environmentally focused webinars and educational offerings.



## **Doug Smith**

Doug Smith is the Northeast Regional Manager for Sika Corporation, with 29 years of experience in the concrete construction industry in admixtures, fly ash, ready mix, and precast concrete market segments. Sika Corporation, based in Lyndhurst, NJ, is a leading supplier of specialty chemical products and industrial materials serving construction and industrial markets; its technologies are focused on sealing, bonding, damping, reinforcing and protecting.



## **Dan Whitaker**

Dan Whitaker is the Northeastern regional manager for Butterfield Color Inc., headquartered in Aurora, IL, where he supervises distribution from Maine to South Carolina. Dan is known for his ability to demonstrate proper decorative concrete techniques, solving difficult technical issues, and offering guidance to design professionals.



## **Ron Vaughn**

Ron Vaughn is Senior Sales Engineer for NE Solite, of Saugerties, NY. He is an active member of ACI Certification Committees for Concrete: Field Testing Technician Grade 1, Concrete Construction Special Inspector (Secretary), and the Concrete Transportation Construction Inspector (Chair).



## **Shawn Roberts**

Shawn Roberts is Field Engineering Manager and Quality Control Manager for Independent Materials Testing Labs in Plainville, CT. For almost 25 years he has been performing quality assurance testing and inspections on construction materials and workmanship in New England. He maintains certifications from ACI, NRMCA Certified Pervious Concrete, NETTCP, and ICC special inspections.