



# Land Development **BREAKTHROUGHS** Best Practices Workshops



## PERVIOUS CONCRETE—A STORMWATER SOLUTION

### THIS WORKSHOP IS OFFERED IN EIGHT LOCATIONS

- February 11 - Little Rock, AR**
- February 18 - Charlotte, NC**
- March 17 - Louisville, KY**
- March 19 - Springfield, MO**
- April 14 - Hartford, CT**
- April 21 - Omaha, NE**
- April 24 - Nashville, TN**
- May 1 - Philadelphia, PA**

### PURPOSE AND BACKGROUND

This program provides detailed instruction on how to implement pervious concrete pavements as a solution to reducing stormwater runoff from building sites and other paved areas. Attendees will learn the details of pervious concrete pavement systems, engineering properties and construction techniques.



This course will help civil engineers, architects, and landscape architects develop details and write project specifications for pervious concrete pavement systems.

**Reduce Stormwater Runoff** Pervious concrete is a performance-engineered concrete with a 15-30% void system that allows rainwater to percolate through it. When pervious concrete is used for parking areas, streets, plazas and walkways it minimizes stormwater runoff to surrounding streams and lakes and allows for natural filtration to recharge local groundwater supplies.

**Environmental benefits** Although pervious concrete has been used in some areas for decades, recent interest in green building and recognition of pervious pavements by the U.S. EPA as a best practice for stormwater management has heightened interest in its use throughout North America. Its use supports national initiatives such as Cool Communities and Low Impact Development and provides a potential for credit in the LEED® rating system for sustainable building construction.

**Economic Benefits** Pervious concrete reduces the need for expensive stormwater drainage and wet pond retention systems, thereby allowing for more economical and beneficial land use.

### WHO SHOULD ATTEND?

This course is intended for civil engineers, architects, landscape architects, and public works officials and others who design pavements and stormwater management systems. Contractors, product suppliers and land developers will also benefit from this seminar.

### AGENDA (8:30 AM - 4:30 PM)

- Economic and Environmental Benefits
- Hydrological and Structural Design
- Specifications, Mix Design and Test Methods
- Construction Techniques
- Contractor Certification
- Durability and Maintenance
- Local Applications and Case Studies
- Installation Demonstration and/or Site Visit\*

\* Please bring a hard hat, goggles and safety vest to the seminar

### INSTRUCTORS

- Two of the following instructors will be available to teach:
- Bruce K. Ferguson** Franklin Professor of Landscape Architecture, University of Georgia
  - Heather J. Brown** Director and Assistant Professor, Concrete Industry Management, Middle Tennessee State University
  - Lionel Lemay** Sr. Vice President, Technical Resources, National Ready Mixed Concrete Association
  - Paul Tennis** Cement and Concrete Materials Consultant
  - Erin Ashley** Director of Codes and Sustainability, National Ready Mixed Concrete Association

### PROFESSIONAL DEVELOPMENT HOURS

Architects and engineers earn 6 Professional Development Hours or HSW Learning Units upon completion of this program. This program also fulfills some of the requirements for NRMCA's STEPS™ Certified Concrete Professional program. Visit [www.nrmca.org/STEPS](http://www.nrmca.org/STEPS) for details.



Register online at

[www.LDBreakthroughs.com](http://www.LDBreakthroughs.com)

or use the attached registration form

### Presented by:



**In Cooperation with:** Arkansas Ready Mixed Concrete Association, Carolinas Ready Mixed Concrete Association, Concrete Promotion Council of the Ozarks, Connecticut Concrete Promotion Council, Kentucky Ready Mixed Concrete Association, Nebraska Concrete and Aggregates Association, North Central Cement Council, Northeast Cement Shippers Association, Pennsylvania Aggregates and Concrete Association, South Central Cement Promotion Association, Southeast Cement Association, and Tennessee Concrete Association.

**REGISTRATION FORM**

Complete and submit this registration form or register online at [www.LDBreakthroughs.com](http://www.LDBreakthroughs.com).

**SELECT LOCATION (8:30 AM – 4:30 PM)**

**February 11 - Little Rock, AR**

Wyndham Riverfront  
2 Riverfront Place  
North Little Rock, AR 72114

**February 18 – Charlotte, NC**

Hilton Charlotte Center City  
222 East Third Street  
Charlotte, NC 28202

**March 17 – Louisville, KY**

Louisville Marriott Downtown  
280 W Jefferson Street  
Louisville, KY 40204

**March 19 - Springfield, MO**

Conoco Quarry  
902 S Quarry Road  
Willard, MO 65781

Nearby Hotel: Courtyard by Marriott  
3527 W Kearney  
Springfield, MO 65803  
417-869-6700

**April 14 – Hartford, CT**

Cent. Conn. State Univ.  
The Student Center  
1615 Stanley Street  
New Britain, CT 06050

Nearby Hotel: Courtyard By Marriott  
4 Sebeth Drive  
Cromwell, CT 06416  
860-635-1001

**April 21 – Omaha, NE**

Hilton Omaha  
1001 Cass Street  
Omaha, NE 68102

**April 24 - Nashville, TN**

Willis Conference Center  
26 Century Blvd  
Nashville, TN 37214

Nearby Hotel: Sheraton Music City  
777 McGavok Pike  
Nashville, TN 37214  
615-885-2200

**May 1 – Philadelphia, PA**

Villanova University  
The Connelly Center  
800 Lancaster Ave.  
Villanova, PA 19085

Nearby Hotel: The Radnor Hotel  
591 East Lancaster Avenue  
St. Davids, PA 19087  
610-688-5800

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

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

Phone: \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

**\$295 (includes lunch)**

**Check or Money Order**

Mail registration form and check or money order payable to:

Sustainable Land Development International  
ATTN: Pervious Concrete  
275 E. 10th Street, Suite #200  
Dubuque, IA 52001

**Credit Card**

**VISA**  **Master Card**  **American Express**

Card Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

3 or 4 digit security code \_\_\_\_\_

Credit Card Billing Address \_\_\_\_\_

Name on Credit Card (print) \_\_\_\_\_

Signature \_\_\_\_\_

For credit card payment, mail or fax form to:  
Sustainable Land Development International  
ATTN: Pervious Concrete  
275 E. 10th Street, Suite #200  
Dubuque, IA 52001  
Fax (360) 343-2341

Inquiries: Jennifer Uptegraph, [juptegraph@sldi.org](mailto:juptegraph@sldi.org), 888-388-8787

**Please Note:** There is no block of sleeping rooms for these workshops. The organizers reserve the right to cancel the workshop. If that should happen, registrants will be notified by fax or e-mail within one (1) weeks of each seminar. The entire registration fee will be refunded but not airline tickets, hotel reservation fees, or other travel-related expenses. Cancellation Policy: Cancellations must be made in writing and submitted to Sustainable Land Development International via mail, fax, or email. Cancellation requests received 31 days prior to the event start date will receive a full refund, less a \$100 cancellation fee. Cancellation requests received between 21 and 30 days prior to the event start date will receive a refund of their registration fee, less a 50% cancellation fee. Cancellation requests received 21 days or less prior to the event start date cannot be refunded. Registration fees may be transferred to another individual at any time, as designated by the original registrant or a credit totaling the registration fee can be held in the name of the registrant for a future Land Development Breakthroughs workshop or conference scheduled within 2 years. A new registration form with the new attendee's and/or event information must be completed.