

# 8 Continuing Education Hours ONLINE

## BUILDING GREEN WITH CONCRETE

No travel time or expense. In real time with live instructors.

### 4 LIVE WEBINARS—8 CONTINUING EDUCATION HOURS

**May 5, 2010 – 3:00-5:00 pm eastern\***

**May 12, 2010 – 3:00-5:00 pm eastern\***

**May 19, 2010 – 3:00-5:00 pm eastern\***

**May 26, 2010 – 3:00-5:00 pm eastern\***

\*Plus online exercises and quizzes. Webinars will be recorded for later viewing if you miss a webinar.

### PURPOSE AND BACKGROUND

This course provides detailed instruction on how to design with concrete to maximize environmental performance of buildings and project sites. It will help attendees utilize concrete building systems to design



high performance buildings that conserve energy and maximize occupant comfort. The seminar provides detailed background on stormwater best management practices including pervious concrete pavement systems in combination with bioretention swales, conventional concrete pavements, and green roofs to reduce stormwater runoff and overall impact of the built environment. It provides suggestions on how concrete can be used to minimize urban heat islands and reduce carbon footprint. The course also includes suggestions on how to incorporate optimal recycled content into concrete to balance environmental impact and long term durability. Attendees will learn the details of concrete building systems and pavements including design methodologies and construction techniques to minimize environmental impact. This course will help attendees design and write project specifications for sustainable concrete building and pavement systems.

### TOPICS COVERED

- Overview of Green Building
- Life Cycle Assessment (LCA)
- Energy Performance of Concrete Building Systems
- Low Impact Development
- Pervious Concrete and Heat Islands
- Optimizing Recycled Content
- Climate Change and Concrete
- Concrete's Contribution to LEED®

### HOW YOU WILL BENEFIT

This seminar will provide attendees with state-of-the-art strategies, technologies and methodologies for designing sustainable concrete projects to maximize environmental performance. At the end of this course attendees will be able to:

- Specify high performance concrete building systems
- Implement pervious concrete pavement systems
- Develop project specifications to optimize recycled content and maximize durability
- Understand the basics of low impact development
- Understand Concrete's Contribution to LEED®

### WHO SHOULD ATTEND?

This course is intended for architects and engineers. Ready mixed concrete technical and operations professionals will also benefit from this course.

### INSTRUCTORS

**Erin Ashley PhD, LEED AP**

NRMCA Senior Director, Sustainable Construction

**Lionel Lemay PE, SE, LEED AP**

NRMCA Sr. Vice President, Sustainable Development

**Doug O'Neill LEED AP**

NRMCA National Resource Director - Northeast

### PROFESSIONAL DEVELOPMENT HOURS

Participants who complete each webinar and associated quizzes will earn 8 Professional Development Hours, 8 AIA-CES HSW Learning Units, or 8 GBCI CE hours.



### PRESENTED BY



Register online at

[www.nrmca.org/seminars](http://www.nrmca.org/seminars)

or use the attached registration form

**LEARN  
ONLINE**

Real classes...delivered in  
real time by industry experts.  
Save time and travel costs.

# BUILDING GREEN WITH CONCRETE REGISTRATION FORM

## FOUR CONSECUTIVE WEDNESDAYS IN MAY

**May 5, 2010 – 3:00-5:00 pm eastern\***

**May 12, 2010 – 3:00-5:00 pm eastern\***

**May 19, 2010 – 3:00-5:00 pm eastern\***

**May 26, 2010 – 3:00-5:00 pm eastern\***

This online course consists of 4 live webinars along with downloadable presentations, reading, and unit quizzes. Attendance at all four webinar sessions is encouraged. However, if you miss a scheduled webinar, you will have an opportunity to view a recording of the webinar.

### REGISTRATION FEE

Main Registration	1	@	<b>\$295</b>	=	
Additional Attendees	_____	@	<b>\$100</b>	=	
<b>TOTAL</b>			<b>=</b>		

Main Registration entitles you access to the online course, presentations, reading materials, quizzes, and certificate of completion. Additional attendee registration entitles each additional attendee access to the online course, presentations, reading materials, quizzes and certificate of completion.

### PAYMENT METHOD

Check (make check payable to NRMCA)  
 Mail registration form and check to:  
 SunTrust Bank, c/o NRMCA  
 P.O. Box 79433  
 Baltimore, MD 21279

VISA     MasterCard     AmEx

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

Exp. Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_

For credit card payment, fax form to Jessica Moore, Meetings Dept., NRMCA, (301) 565-8200

**Credit card or check must accompany registrations.** Submit separate form for each location (site). Save a copy for your files.

## MAIN REGISTRATION

Entitles access to the online course, presentations, reading materials, quizzes and **one** certificate of completion at one location (site). For additional certificates of completion at the same location, complete the Additional Attendee Registration section of this form.

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

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

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

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

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

E-mail (required): \_\_\_\_\_

## ADDITIONAL ATTENDEE REGISTRATION

List additional individuals at the same location listed under Main Registration wishing to receive access to the online course, presentations, reading materials, quizzes, and certificate of completion. Make a copy of this form to add additional attendees.

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

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

E-mail (required): \_\_\_\_\_

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

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

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