

Sustainability Toolkit for Structural Engineers



This presentation focuses on what's new to the structural engineer in the design and construction of green buildings, including site planning, water efficiency, energy conservation, materials and resources, and indoor air quality. This is a general overview of topics of interest to the structural engineer covered in LEED for New Construction (LEED-NC), ASHRAE Standard 189.1 on High Performance Green Buildings, and *Sustainability Guidelines for the Structural Engineer*, developed by Structural Engineering Institute's Sustainability Committee. Green buildings do not need to cost more, especially if green design strategies are considered early in the design stage using integrated design. Commissioning ensures the building performs as designed and keeps performing.

The presenters will be **Martha G. VanGeem, and Emily Lorenz**, both of whom are LEED Accredited Professionals with CTLGroup. **Ms. VanGeem, PE** (Illinois), LEED Accredited Professional is a principal engineer and manager of CTLGroup's Building Science and Sustainability Group. She serves as a project principal investigator and specialized in-house consultant in the areas of green buildings and infrastructure, energy efficiency, energy codes, thermal mass, mass concrete, and moisture migration. Since joining CTLGroup in 1982, her experience has included over 500 large and small consulting, testing, and research projects.

Ms. Lorenz, PE (Michigan) is an engineer in Building Science and Sustainability at CTLGroup, serving in the areas of green structures and practices, energy efficiency, heat transfer and thermal properties. Since joining CTLGroup in 2010, Ms. Lorenz has performed analyses to predict thermal resistance for building components and conducted solar reflectance testing. In the area of sustainability, Ms. Lorenz has assisted on LEED and other green building projects to provide expertise on environmental impact, solar reflectance, integrated design and other areas.

This workshop will provide 4.0 hours of continuing education. Registration and a continental breakfast begin at 7:30 am. The workshop will run from 8:00 am until 12:00 noon, with a brief break at 10:00 am.

Date: Thursday, March 24, 2011
 Place: UBS Tower, Michigan I Room, 1N. Wacker, 2nd floor
 Time: 8:00 a.m. to 12:00 noon (continental breakfast available at 7:30)

Reservations are required and may be made by calling Donna Childs at the **SEAOI** office at (312) 726-4165 by 3:00 p.m. Wednesday, March 16, 2011. Attendance at the full session is required for continuing education credit.

Registration Form

Sustainability Toolkit
8 am to 12 noon
March 24, 2011

Name _____ E-Mail Address _____ Daytime Phone _____

Company Name _____ Cell Phone _____

Mailing Address _____ Yes No
 SEAOI Member?

City / State / Zip _____
 Charge to Credit Card Check Enclosed (payable to SEAOI)
 Credit Card Number _____ Exp. Date _____ Amount Enclosed _____
 This seminar will provide **4.0 hours** of continuing education credit

Signature _____

<u>Seminar Location:</u>	<u>Seminar Fee:</u>	<u>By Mar. 16</u>	<u>After Mar. 16</u>
UBS Tower, Michigan I Room 1 N. Wacker, 2 nd floor Chicago, IL	SEAOI Members: Non-Members:	\$175 \$250	\$225 \$300

Available via the Web!
 Check for Web Access

MAIL FORM AND PAYMENT TO:

SEAOI
 134 N. LaSalle St., Ste. 1910
 Chicago, IL 60602

Or fax your registration form to:
 312.726.4166

Cancellation Fee by Mar. 16: \$50

No Refunds after Mar. 16