

NORTHEAST CHAPTER IECA

2017 ANNUAL CONFERENCE



MAKING CONNECTIONS
 **PLANTING THE SEEDS**

MARCH 28 & 29 2017

**STURBRIDGE HOST HOTEL
STURBRIDGE, MASSACHUSETTS**

**Northeast Chapter IECA
Annual Conference
Sturbridge Host Hotel
366 Main Street
Sturbridge, Massachusetts**

Tuesday, March 28, 2017

7:30 AM - 8:45 AM Registration
Continental Breakfast

8:45 AM Welcoming Remarks
Dan Nietzsche, Conference Chairperson
Mickey Marcus, Chapter President

**Track # 1: Low Impact
Sustainable Development**

9:00 AM - 4:00 PM CONCURRENT TECHNICAL SESSION 1

**Full Day Course: Low Impact Sustainable
Development**

Steve Trinkaus, Trinkaus Engineering, LLC

Mr. Trinkaus is an international expert in the field of Low Impact Sustainable Development (LISD). He has been an invited presenter and consultant in Taiwan, China and South Korea. He has been published in Korean reports on LISD and designed urban LISD retrofits in Zhenjiang, China. This comprehensive course will cover basic principles, LISD strategies, hydrologic considerations, best management practices, and much more.

Understanding and Implementing Principles of Low Impact Sustainable Development

Understanding the Status Quo: Conventional development and stormwater management, Drawbacks of Conventional Approaches, Origins of Low Impact Sustainable Development, Principles of Low Impact Sustainable Development, What are the benefits of LISD?

Applying LISD Strategies to a Site

Environmental Site Design (natural resource assessment and evaluation), Hydrologic considerations, LISD site planning tools (application to a site), Site plan development

LISD Hydrologic Considerations

What are Hydrologic Principles of LISD? Tools to achieve LISD Hydrologic Principles Regional hydrologic considerations Evaluating LISD Hydrologic Scenarios

LISD Integrated Management Practices

Bioretention, Filter Strips, Vegetated Swales, Level Spreaders, Subsurface Gravel Wetlands, Pond/wetland Systems, Constructed Wetlands Permeable Pavement, Porous Concrete, Open Course Pavers, Rain Barrels and Cisterns, Water Quality Issues and how to evaluate effectiveness of treatment system, Preparing a Pollutant Renovation Analyses

Issues and solutions to incorporating LISD into municipal land use regulations

Identifying barriers and impediments to LISD in regulations, Regulatory changes to implement LISD, LISD Design manuals

Case Studies

Residential
Commercial

Track # 2: The Plan

9:00 - 9:30 AM	CONCURRENT TECHNICAL SESSION 2
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Lessons Learned from 46,000 ESC Inspections
Jeff Mazenac, R. A. Smith National, Inc.

9:30 - 10:15 AM	CONCURRENT TECHNICAL SESSION 3
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**Effects of Sea Level Rise on Beach Erosion
During Tropical Storm**

Tianyi Liu, GZA GeoEnvironmental, Inc.

10:15 - 10:45 AM

Break

10:45 AM - 12:00 PM **CONCURRENT**
TECHNICAL SESSION 4

**Next Generation Innovative Green
Infrastructure/Low Impact Development
Systems**

*Rob Goodman, PE, CPESC, ACF
Environmental*

12:00 - 1:00 PM Chapter
Annual Meeting & Luncheon

1:00 - 2:30 PM **CONCURRENT**
TECHNICAL SESSION 5

**Evaluating Risk on Construction Sites: Cause
and Effect to Achieve Compliance**

*Randall Shuey, CPESC, Northpoint
Engineering*

2:30 - 3:00 PM

Break

3:00 - 4:00 PM **CONCURRENT**
TECHNICAL SESSION 6

**High Performance Modular Bioretention
Systems**

*Rob Goodman, PE, CPESC, ACF
Environmental*

**4:00 - 6:00 PM PRESIDENT'S
RECEPTION IN EXHIBIT HALL**

Wednesday, March 29, 2017

7:30 AM - 8:45 AM Registration
Continental Breakfast

8:45 AM Welcoming Remarks
*Dan Nitzsche, Conference Chairperson
Mickey Marcus, Chapter President*

**Track #3 The Erosion
Control Course**

9:00 AM - 4:00 PM **CONCURRENT**
TECHNICAL SESSION 7

Full Day Course: The Erosion Control Course
Pete Hanrahan, CPESC, E. J. Prescott, Inc.

Peter Hanrahan is a Certified Professional in Erosion and Sediment Control, and has more than 38 years of industry experience. Peter has

made presentations nationally and in Taiwan for many organizations, including the International Erosion Control Association, Land Improvement Contractors of America, the Geotechnical Fabrics Institute, and the American Water Works Association. His articles have been published in many magazines, including Erosion Control, Land & Water, Geosynthetics, and Landscape Architect & Specifier News.

This comprehensive full day course will provide a playbook for total construction site management. The course will begin with an overview of the keys to a successful jobsite erosion and sediment control program.

Maintaining a construction site and preventing negative impact to adjacent property requires a well-planned sediment control plan. The first segment of the course will present the toolbox currently available to site managers, and discuss the evolution of both best management practices and technology related to site sediment control

The toolbox for permanent erosion control solutions has also expanded rapidly. The second portion of the program will deal with the tools and techniques that have emerged in this vital area.

A third program segment will discuss the key components of successful ground stabilization plans, and the fourth will discuss innovations in site drainage. Jobsite pollution protection will also be reviewed in depth.

The course will be highly interactive, with participants encouraged to assist in problem solving and in sharing of their own experiences and lessons learned.

Track #4: Gaining Control

9 AM - 9:45 AM	CONCURRENT
TECHNICAL SESSION 8	

Active Floodproofing for Coastal Resiliency of Small Businesses in NYC

Andrea Braga, PE, CPESC; Geosyntec Consultants, Inc.

9:45 AM - 10:15 AM	CONCURRENT
TECHNICAL SESSION 9	

The MS4 Permit - A Holistic Approach to Stormwater Management

Jeff Mazenec, PE; R. A. Smith National, Inc.

10:15 - 10:45 Break

10:45 AM - 11:30 AM	CONCURRENT
TECHNICAL SESSION 10	

Methods for Erosion Prevention, Water Clarification, and Staying in Compliance with

Polymer Enhanced Best Management Practices

Kyla Iwinski, Ph. D., Applied Polymer Systems

11:30 AM - 12:00 PM

CONCURRENT

TECHNICAL SESSION 11

Let's Get Physical: A Hands on Soils Workshop

Kasie Collins, GZA GeoEnvironmental, Inc.

12:00 - 1:00 PM

Lunch

1:00 PM - 2:00 PM

CONCURRENT

TECHNICAL SESSION 12

An Introduction to the University of Connecticut's Low Impact Development Laboratory

Michael Dietz, University of Connecticut

2:00 - 2:30 PM

CONCURRENT

TECHNICAL SESSION 13

The Art of Estimating Erosion Control: The Key to Erosion Control Compliance

*Rifka Malik, CPESC, CPE, Sitework
Estimating Services, Inc.*

2:30 - 3:00 PM

Break

3:00 - 4:00 PM

CONCURRENT

TECHNICAL SESSION 14

**Effective Sediment Control Solutions: An
Expanding Toolbox**

*Jack Eaton, Certified Erosion Control of
New Hampshire*

4 PM

Adjourn

REGISTRATION

Name: _____

Company: _____

Address: _____

City: _____

State: _____

Zip Code: _____

E-Mail: _____

Amount Enclosed: _____

FEE STRUCTURE

FULL CONFERENCE REGISTRATION

(Trade Show, Technical Sessions, President's Reception,
Breakfast and Lunch Each Day)

IECA Member: \$200.00

Student/Government: \$200.00

Non-Member: \$300.00

SINGLE DAY REGISTRATION

IECA Member: \$150.00

Student/Government: \$150.00

Non-Member: \$200.00

I will attend:

Choose Your Track!

Full Conference: _____

Tuesday Only: _____

Wednesday Only: _____

Tuesday

Track #1: _____

Track #2: _____

Wednesday

Track #3: _____

Track #4: _____

LODGING INFORMATION

Location: Sturbridge Host Hotel, 366

Main Street Sturbridge, MA 01566;

Phone: 508-347-7393; Website:

www.sturbridgehosthotel.com; Special

room rate: \$115.00 per night (single

and double occupancy) plus

applicable taxes.

Card Number: _____

Expiration Date: _____

Three Digit Security Code: _____