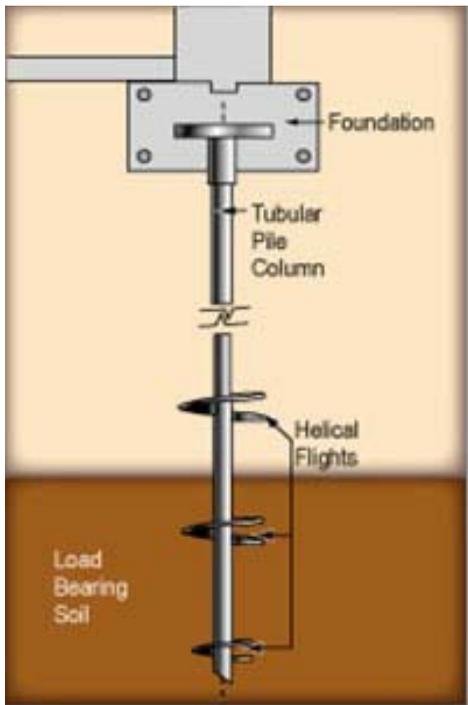


The helical pile system is a segmented deep foundation system with helical bearing plates welded to a central shaft. Load is transferred from the shaft to the soil through helical bearing plates. As a result of their true helical shape, the helices do not auger into the soil but rather screw into it with minimal disturbance.

The first section, called the lead section, contains the helical plates. The lead section can consist of one to four helices. If required, additional helices can be added with the use of helical extensions.

Plain extensions are then added until the lead section penetrates the bearing strata and the necessary or appropriate torque is achieved. The true helix geometry of each steel bearing plate minimizes soil disturbance during installation.



George W “Pat” Haffert has worked for Danbro since 1999. Danbro Distributors [through their sister company- D'Angelo Brothers Inc.] have been in the construction business since 1906.

Danbro has represented AB Chance since 1998 in the Northeast. Chance, the originator of the helical anchor in America, was issued its first patent in 1912.

The helical pile foundation is preferred over driven piles, drilled shafts, grouted tendons, auger-cast piles, belled piers and other deep foundation systems for a number of compelling reasons:

- Fast installation and immediate loading
- Pre-Engineered
- Eliminates high-mobilization costs associated with driven piles, drilled shafts or auger cast piles.
- Instant torque-to-capacity feedback for production control.
- Easily modified in the field.
- No need for concrete to cure.
- Uses common construction equipment easily fitted with hydraulically-driven torque motors.
- Easy to use in limited access sites, high water tables and weak surface soils.

## Directions & Registration

### Mohegan Sun Casino - April 24, 2012

1 Mohegan Sun Boulevard, Uncasville, CT. (860) 635-1001

**From I-95S:** Take I-95S to Exit 84N/Rt. 32N. Follow Rt. 32N to I-395. Exit 79A onto CT-2A East. \*\*

**From I-95N:** Take I-95N to I-395N. Exit 79A. \*\*

**From Hartford:** Take I-84 East to Rt. 2 East to I-395 South. Exit 79A.\*\*

**From Providence:** Take Rt. 6 West to I-395 South. Exit 79A.\*\*

\*\*Then take Exit 2/Mohegan Sun Blvd.

### REGISTRATION INFORMATION

**\$149.00/pp**

**WALK-INS NOT ACCEPTED**

#### Register

Checks payable to: **Torello Seminars**

**Mail:** 215 Essex Plaza, Essex, CT 06426

**Fax:** 860.767.7078

**Web:** [www.torelloengineers.com](http://www.torelloengineers.com)

#### Now You Can Pay Online!

**Visa, MC, Amex & Discover**

#### Refund Policy

The registration fee is refundable up to 12 noon the Friday prior to your workshop date. Registrants unable to attend and who do not cancel by this time are subject to the entire registration fee. However, last minute participant substitutions are always allowed.

#### Confirmations

Confirmations are mailed prior to the seminar date. If you do not receive a mail confirmation, please contact our office at least two days before the seminar to ensure that we received your registration and seats are still available. **\*\*\*Payment should be received at least three days prior to seminar, seats will not be held without payment.\*\*\***

## Registration Form

Name:

Company:

Job Title:

Mailing Address:

City, State, Zip:

Phone:

Fax:

Email:

**Cost: \$149.00/pp**

Helical Piles

For additional information, or seating availability, please call Kim at 860.767.7075.

**Fax:** 860.767.7078

**Mail:** Torello Seminars  
215 Essex Plaza  
Essex, CT 06426

**You can pay online!**

[TorelloEngineers.com](http://TorelloEngineers.com)  
**Visa, MC, Amex & Discover**

# HELICAL PILES

## WHEN, WHERE, WHY & HOW

### WHO SHOULD ATTEND:

**Inspectors, Contractors, Builders,  
Owners, Building Officials,  
Fire Marshals, Home Inspectors,  
Architects and Engineers!**

**6 Credit Hours \$149.00**  
Approved by the State for  
**Building Officials,  
Fire Marshals &  
Home Inspectors**

### ONE DAY ONLY!!!

### **FULL DAY WORKSHOP**

Tuesday, April 24, 2012

8:30am - 3:30pm

Mohegan Sun , Uncasville, CT

Sign-In & Bfast: 8:30am - 9:00am  
Program: 9:00am - noon  
Lunch: noon - 12:30pm  
Program: 12:30pm - 3:30pm

## **FOUR SEPARATE WORKSHOPS**

This is the **FOURTH** of **FOUR** workshops being held this winter.

- ① **Truth About Trusses**  
Mohegan Sun Casino  
Tuesday, January 17, 2012
- ② **Building Wood Structures**  
Mohegan Sun Casino  
Tuesday, February 21, 2012
- ③ **Hazardous Bldg Materials**  
Mohegan Sun Casino  
Tuesday, March 27, 2012
- ④ **Helical Piles**  
Mohegan Sun Casino  
Tuesday, April 24, 2012

**Register by December 31, 2011 and get  
the following discounts!**

Attend ONE workshop & get **\$10.00 off!**  
Total cost to you = **\$139.00**

Attend TWO workshops & get **\$30.00 off!**  
Total cost to you = **\$268.00**

Attend THREE workshops & get **\$50.00 off!**  
Total cost to you = **\$397.00**

Attend all FOUR workshops & get **\$100.00 off!**  
(That's right, \$100.00!)  
Total cost to you = **\$496.00**

## Workshop Highlights

- ◆ Code Requirements
- ◆ Available Anchors/Foundations
- ◆ Screw Anchors-How They Work
- ◆ Determining the Capacity of an Anchor in Soil
- ◆ Stress Distribution Beneath Deep Buried Circular Plate
- ◆ Design Examples of Screw Anchors
- ◆ Final Capacity Check
- ◆ Corrosion
- ◆ Applications of Helical Anchors
- ◆ Helical Pulldown Micropile
- ◆ The "Dirt" on Soils
- ◆ Construction
- ◆ Inspections
- ◆ Repairs
- ◆ Examples

## Speaker Information

### **FEATURED SPEAKER!**

**George W "Pat" Haffert**, a sales & marketing professional for 37 years, has worked for Danbro since 1999. Pat has over 135 hours of instruction/training on helical piers and has been Chance certified since 1999. He has presented or participated in 200+ presentations to well over 2,000 Engineers and Architects. Pat is a member of the Helical Pile Association, Chance Alliance Network and the Deep Foundations Institute.

**Charles E. Elias, P.E.**, has worked as a civil and structural engineer for thirty years. Over that period, site design issues, such as soils and drainage have become critical to the approval process of successful development projects. His design experience includes many projects, from residential to large subdivisions and shopping mall sites, as well as sitting on various local land use boards.

**Howard Epstein, Ph.D., P.E.**, is a recognized authority in structural engineering with nearly one hundred published technical papers in the field. Howard is a professor in UConn's Dept. of Civil and Environmental Engineering, a Fellow in the American Society of Civil Engineers and recipient of CSCE's Benjamin Wright Award for lifetime achievement.

**George Torello Jr., P.E., N.A.F.E.**, a structural engineer with 50 years of hands-on experience in the design, review, and inspection of structures. George was the recipient of CSCE's 2001 Benjamin Wright Award for lifetime achievement. George specializes in the investigation of building failures. Frequently called upon to provide expert testimony, his extensive background in the analysis of building failures is an important ingredient in our design of new structures and in the evaluation of soils underlying foundations.