Protection Engineering CONSULTANTS

Design Requirements for Mitigation of Progressive Collapse:

a hands-on experience with DoD and GSA requirements

Tuesday, November 2–Thursday, November 4, 2010 · San Antonio, Texas

Protection Engineering Consultants invites engineers and practitioners to register now for this three-day short course in design requirements for the mitigation of progressive collapse according to DoD and GSA criteria.

Taught by authors of the DoD criteria and an expert practitioner in designs that follow both the DoD and GSA approaches, the course will provide background on the development of the DoD and GSA criteria, examination of direct and derived requirements of the criteria, and hands-on experience with Computers and Structures, Inc.'s SAP software for static linear through dynamic nonlinear modeling and analysis. Instructors and participants will work selected comprehensive design examples incorporating alternate path analysis (GSA and DoD), tie force approaches (DoD) and enhanced local resistance (DoD) methods.

Special Wednesday evening event: Dinner on the San Antonio Riverwalk

Join us for an authentic Tex-Mex dinner on San Antonio's beautiful and historic Riverwalk on Wednesday evening, following the day's instruction. Enjoy conversation with classmates and presenters, renew acquaintances and make new friends. This event is included in the course fee.

Dates, times, location and accommodations

Dates: November 2-4, 2010

Times: 8 a.m.–5 p.m.

Place: San Antonio Northwest
Drury Inn & Suites
9806 Interstate Hwy 10W
San Antonio, Texas 78230
Phone: 210-561-2510
or toll-free 800-325-0720
Fax: 866-286-2519
www.druryhotels.com

Meals: The Drury Inn & Suites provides free continental breakfast to guests. Lunch, included in the course fee, will be provided to participants each day.

Accommodations: The Drury Inn & Suites has set aside a block of rooms for course participants at a negotiated rate of $99.95 per night plus taxes. Mention "PEC Short Course" or Group Number 2094756 when making reservations to take advantage of this rate.

Participants may, of course, arrange other accommodations, and there are many exceptional locations in the area.

San Antonio's charming Riverwalk will be the place to enjoy conversation with classmates and presenters, renew acquaintances and make new friends over an authentic Tex-Mex dinner after instruction on Wednesday.

Registrant information

Name

Title

Company

Address

City | State | ZIP

Phone | Fax

E-mail

Payment information

Course Fee — $1950 before October 1—$2150 October 1 or later

❑ A check for $ _____ is enclosed.

❑ Charge to my Visa card, below ❑ Charge to my MasterCard, below

Account no. | Expiration date | 3-digit code (CVC) from back of card

Name as it appears on card

Billing address, if different from mailing address

If paying by check, mail form and check to:

PEC Short Course
Protection Engineering Consultants
PO Box 1777 · Dripping Springs, TX 78620

If paying by credit card, mail form to address above, or fax to 512.829.4232 .

Deadline and cancellation/refund policy

Deadline for registration is November 1, 2010. You will receive confirmation by e-mail when your registration has been processed. If you must cancel after registering, a full refund will be provided if cancellation is made before November 1, 2010. A charge of $200 will be assessed if cancellation is made after November 1, 2010.

For additional information, call 512.380.1988 x305, or e-mail short-course@protection-consultants.com.

Presenters

David Stevens, Ph.D., P.E.
A Senior Principal at Protection Engineering Consultants, David has 20 years of experience in the areas of designing, testing and analyzing structures subjected to extreme dynamic loads. Arguably the foremost authority on techniques to incorporate robustness into structural systems through analysis aimed at mitigating progressive collapse, he is the primary author of both the 2005 and 2009 versions of *Unified Facilities Criteria 04-023-03, Design of Buildings to Resist Progressive Collapse,* and he serves on the U.S. industry committee tasked with developing consensus guidance for progressive collapse mitigation in the United States.

Aldo E. McKay, P.E.
A Project Engineer at Protection Engineering Consultants, Aldo has more than 10 years of experience in fields generally related to the response of structures to severe transient loads, with significant experience in 3-D dynamic non-linear modeling and analysis of framed and load-bearing systems designed to mitigate progressive collapse. During the development of *UFC 4-023-03,* he developed and validated procedures for linear static, non-linear static and non-linear dynamic analyses of complex 3-D systems.

Mark Waggoner, P.E.
As a Principal with Walter P. Moore's Research and Development Group in Austin, Texas, Mark has more than 10 years of experience with complex building types. He has worked on the design of several prominent stadium roofs, including Reliant Stadium, University of Phoenix Stadium, Lucas Oil Stadium, Dallas Cowboys Stadium, Miami Marlins Ballpark and the new Liverpool FC Stadium. Mark is active in national technical committees including the ASCE/SEI Disproportionate Collapse Standards and Guidance Committee. He participated in the development of the 2009 *UFC 4-023-03,* as a practitioner reviewer and author of the appendix examples.