



# TISP Conducts Workshop

## Building Codes and Standards for Antiterrorism

The Infrastructure Security Partnership (TISP), a national antiterrorism initiative that includes more than 170 government agencies, professional societies, and construction organizations, including NCSEA, ASCE, and ACEC, sponsored an invitation-only workshop August 4-5, 2003. The workshop was held at the National Academy of Sciences in Washington, DC. Approximately 60 attendees, including Jon A. Schmidt, P.E., NCSEA's representative to TISP, assessed the need for building codes and standards to enhance homeland security. They addressed four questions:

1. What are the relative risks and vulnerabilities of commercial-type buildings to terrorist attacks when compared to those from natural and accidental incidents and to deficiencies in performance under normal conditions?

2. What, if any, interventions are needed for existing and new buildings and systems to provide added protection against terrorist attacks?

3. What, if any, resources can and should be provided to implement the incremental protection?

4. What, if any, changes to current standards, codes, and regulations are needed to provide for this incremental protection?

Following presentations related to the first three questions, participants divided into three breakout groups for discussion and then re-grouped to exchange outcomes. All of the groups struggled with defining the key terms in the first question, i.e., "risk," "vulnerability," "commercial-type building," and "terrorist attack." However, the general consensus was:

1. Relative risks, understood in terms of likelihood of terrorism vs. other hazards, are extremely low, while relative vulnerabilities, understood in terms of consequences, are fairly high.

2. There are no interventions that are appropriate for all buildings, but there are things that can be done to protect certain kinds of buildings on a case-by-case basis.

3. The resources that owners and designers need are those that provide information about what options are available, how to choose from them, and what they will cost.

Presentations on the fourth question followed, and then, on Tuesday, participants took part in another round of breakout sessions. The general consensus was that:

- Changes to mandatory requirements, such as codes and regulations, should be limited to measures that make sense for other reasons besides antiterrorism, e.g., preventing progressive collapse and locating air intakes above ground level.

- There is still a great need for guidelines and standards of practice in other areas, e.g., blast resistant structural design and the selection, installation, and maintenance of filtration systems for protection against chemical and biological agents.

A future issue of NCSEA News will report on the NCSEA-sponsored session on blast design and blast mitigation considerations, chaired and moderated by Schmidt at the 2nd Annual TISP Congress on Infrastructure Security for the Built Environment (ISBE) in Washington, DC, September 16-18, 2003. For more information, please contact Jon Schmidt at [jschmid@burnsmcd.com](mailto:jschmid@burnsmcd.com).



### NCSEA Winter Institute

Friday and Saturday

January 23-24, 2004

At the

Millennium Resort

Scottsdale McCormick Ranch

Scottsdale, AZ

## And the Field Narrows...

### Finalists in the NCSEA 2003 Excellence in Structural Engineering Awards Program Bridges – Single span or less than 150 feet

Meydenbauer Park Bridge

*TranSystems Corporation*

Slate Covered Bridge

*Hoyle, Tanner & Associates, Inc.*

### Bridges – Multi-span or more than 150 feet

Interstate 95, Interchange 8, Southbound Off Ramp over Metro North Railroad and Local Streets

*Tectonic Engineering & Surveying Consultants, P.C.*

Strengthening of Pile-Supported Concrete Aircraft T/W Bridges over Flushing Bay  
*The Port Authority of New York and New Jersey*

William H. Natcher Bridge

*Parsons Brinkerhoff Quade & Douglas, Inc.*

### Buildings under \$5 Million Construction Cost

Chicago Avenue Pumping Station Roof Deck Replacement

*HDR Engineering, Inc.*

Stacy Park Reservoir Seismic Retrofit

*Horner & Shifrin, Inc.*

Structural Repairs to the Catholic Church of St. Joseph

*Construction Technology Laboratories, Inc.*

### Buildings \$5 Million to \$25 Million Construction Cost

5th & Jackson Building

*DCI Engineers*

Oklahoma State Capitol Dome

*Frankfurt-Short-Bruza Associates, P.C.*

Ramp Control Tower

*Klein and Hoffman, Inc.*

### Buildings over \$25 Million Construction Cost

Cathedral of Our Lady of Angels

*Nabih Youssef & Associates*

Reliant Stadium

*Walter P. Moore*

Torre Mayor

*Cantor Seinuk Group in association with EMR, SA*

Winners will be announced at the Awards Banquet, Saturday, October 25th, in conjunction with NCSEA's Eleventh Annual Conference in Denver, Colorado.



**National Council of Structural Engineers Associations  
Eleventh Annual Conference ♦ Denver, Colorado ♦ October 23 - 25, 2003**

*Earth, Wind & Snow: Challenges from Mountain and Plain*

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[www.NCSEA.com](http://www.NCSEA.com), for the latest  
program information.



**Private Tours and Dinner in the  
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**REGISTRATION FORM**

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\_\_\_\_\_

Companion \_\_\_\_\_  
Phone ( \_\_\_\_\_ ) \_\_\_\_\_  
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Delegate from \_\_\_\_\_  
Member Organization \_\_\_\_\_

**Member Registration - \$495 per person**

Registration fee includes Thursday evening Welcoming Reception, Professional Program, Trade Exhibits, breakfast, lunch and refreshment breaks on Friday and Saturday, Friday evening tour and dinner at Coors Field and Saturday evening dinner at the Closing Awards Banquet.

**Companion Registration - \$225 per person**

Companion fee includes Thursday evening Welcoming Reception, Friday continental breakfast, Friday evening tour and dinner at Coors Field, Saturday continental breakfast, and Saturday evening dinner at the Closing Awards Banquet.

**Total Amount Enclosed** \_\_\_\_\_

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Disability Requirements? \_\_\_\_\_

**If paying by check, mail check payable to NCSEA, with this completed Registration Form, to:  
NCSEA · Suite 2010 · 203 North Wabash Avenue · Chicago, Illinois 60601.**

**If paying by credit card, fax this completed Registration Form to NCSEA at 312-372-5673.**

Discounted airfares are available for travel to and from Denver on United or United Express between October 19 and October 29, 2003. Receive 5% off the lowest applicable discount fare, or 10% off the unrestricted coach fare. **An additional 5% discount will apply when tickets are purchased at least 30 days in advance of your travel date.** To receive these special fares, you or your travel agent must call the United Airlines Meeting Reservations Center at 800- 521-4041 and refer to Meeting ID 516BG.



**Marriott Denver City Center**

1701 California Street  
Denver, Colorado 80202



**Reservations:**

Call the Marriott Reservations Center at 800-228-9290, or call the hotel directly at (303) 297-1300, or visit [www.Marriott.com](http://www.Marriott.com) and use Group Code SEASEAA

Single or Double Room Rate: \$139 plus 13.45% tax  
Mention NCSEA to receive this special room rate.

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For further information and details about NCSEA's many activities, please visit [www.ncsea.com](http://www.ncsea.com) or contact us at:

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