

AGENDA – FALL 2009 MEETING
Joint ASCE/ACI 445 – SHEAR AND TORSION
NEW ORLEANS, LOUISIANA
Nov. 8-12, 2009

Meetings

445 Shear & Torsion Mon 2p-6p – BALCONY L
445-A Shear & Torsion-Strut & Tie Sun 10:30a-1:30p STUDIO 8
445-B Shear & Torsion-Seismic Shear 8a-9a LAFAYETTE (Shortened)
~~445-C Shear & Torsion-Punching Shear Sun 1p-3p STUDIO 3 (Cancelled)~~
445-D Shear and Torsion-Database Mon 10a-12p BACCHUS
445-E Shear & Torsion-Torsion Sun 12:30p-2p REGENT
423-445 Adhoc Grp on Shear in Prestress Conc Sun 3p-5p STUDIO 3
318-E Shear & Torsion Wed 8:00a-1:30p BALCONY M
318-G Prestressed Precast Wed 8:00a-1:30p STUDIO 6

1. Introductions (Kuchma)

2. Approval of the Minutes – Spring ACI 445 Meeting held in San Antonio (Kuchma)
(Posted on 445 Website)

3. ACI 318-E Actions (Kuchma/Wood)

Change Proposals – Current
Change Proposals – Future
Code Reorganization

4. Subcommittee reports

445-A Strut and Tie (Reineck)
445-B Seismic Shear (Kuchma)
445-C Slab Shear (Hawkins/Ospina)
445-D Beam Database (Reineck)
445-E Torsion (Belarbi): Including Update on Torsion Report
Ad hoc committee on prestressed concrete shear issues (Matamoros)

5. Strut-and-Tie Design Provisions and Guidance

Incorporation of STM Provisions within Main Body of 318-14 (Klein)
STM Design Guidelines (Reineck)
445 Committee Report on Application of the STM for the Design of Discontinuity Regions (Kuchma)

6. Technical Sessions

ACI Fall 2009 New Orleans

Thomas T.C. Hsu Symposium, Part 1: Recent Advances in Seismic Shear of Wall-Type Structures, Monday 9a-12p SALON B

1. Test of a Coupled Wall with High-Performance Fiber-Reinforced Concrete Coupling Beams, James Wight, Gustavo J. Parra-Montesinos and Remy Lequesne
2. The Impact of Shear on Shear Wall Systems, John Wallace, Kutay Orakcal, and M. Massone

3. Shear Strength Prediction of Eccentric Beam-Column Joints, Shyh-Jiann Hwang, Erwin Lim, and Hung-Jen Lee
4. Reversed Cyclic Behavior of Reinforced Concrete Shear Walls with Diagonal Steel Grids, Jian-Xia Zhong, Yi-Lung Mo and Wen-I. Liao
5. Evaluation of Behavior of Reinforced Concrete Shear Walls through Finite Element Analysis, Ravi T. Mullapudi, Ashraf S. Ayoub and Parnak Charkhchi
6. Constitutive Relationships of Cracked Reinforced Concrete with Steel Fibers, Mohammad Mansour, Thomas T.C. Hsu and Yi-Lung Mo
7. Simulation of Prestressed Concrete Girders Failed by Shear, Y.L. Mo., Rachel N. Howser, Thomas T.C. Hsu and Arghadeep Laskar
8. Refinements to Compression Field Theory with Application to Wall-Type Structures, Enrique Hernandez-Montes, Mark A. Aschheim, Luisa Maria Gil-Martin, and Stavroula Pantazopoulou

Thomas T.C. Hsu Symposium, Part 3: Five Decades of Progress in Shear and Torsion, Tuesday 9a-12p SALON B

1. Development of Models for Torsion of Concrete Structures in Northern Europe, Lennart Elfgren
2. Structural Concrete Beam Shear - Still a Riddle?, Mikael Braestrup
3. Punching Shear in Fire-Damaged Reinforced Concrete Slabs, Pietro G. Gambarova, Patrick Bamonte, and Roberto Felicetti
4. Review of Some Basic Assumptions for the Shear Design, Karl-Heinz Reineck
5. Investigation of Strut Strength Using a Deep-Beam Database, David Sanders and Neil Bahen
6. Evaluation of Minimum Shear Reinforcement Requirements in Non-Prestressed Beams without Distributed Horizontal Reinforcement, Lesley Sneed and Julio Ramirez
7. Shear-Flexure-Torsion Interaction Features of Reinforced Concrete Bridge Columns, Abdeldjelil Belarbi and Suriya S. Prakash
8. Behavior of Reinforced Concrete Elements Subjected to Tri-directional Shear Using a State-of-the-Art Panel Tester, Ashraf Ayoub, Moheb Labib and Yashar Moslehy

Future Sessions

Design Examples for the Strut-and-Tie Method (SP-2), Request for 2 Sessions at the Spring 2010 Conference in Chicago

Future Conferences: Spring 2010 (Chicago), Fall 2010 (Pittsburgh), Spring 2011 (Tampa), Fall 2011 (Cincinnati), Spring 2012 (Dallas)

7. Other Business

Technical Presentations (10 Minutes Each) - Please let me know if you are interested in presenting prior to the start of the 445 meeting

Please note that all subcommittee meetings are scheduled prior to the main 445 committee meeting. All members are welcome and encouraged to attend.