

# American Concrete Institute

## Committee ACI 375- Performance Base Design of Concrete Buildings for Wind Loads

### ACI 375 Committee Meeting – ACI Fall Convention 2011

Monday, March 19<sup>th</sup>, 2012 1:00pm to 3:30pm

REVERCHON A

Dallas, TX

### AGENDA

- 1- Welcome and Introduction
- 2- Review Agenda & Approval of Cincinnati Meeting minutes.
- 3- Announcement and reports
- 4- Creation of a Design Guideline:  
Sections /Task Groups:
  - I. **Performance Criteria**
    - a. Inter-story Drift (Group-1)
      - i. Current Practice (ASCE 7 Commentary)
      - ii. Rotational drift vs. Racking drift
    - b. Human Comfort (Group-1)
      - i. State of the Art
  - II. **Performance Parameters for Modeling**
    - a. Structural damping for serviceability and ultimate state and Mass consideration (Group-1)
      - i. Slender
      - ii. Non-slender buildings
      - iii. Composite structures (concrete core with steel frame)
    - b. Stiffness Modifiers for Serviceability & Ultimate State for slender and Non-Slender Buildings
      - i. Shear wall (Concrete and Composite) (Group-2)
      - ii. Moment Frame; Column, Beam & Link Beam (Group-2)
      - iii. Flat Slab (Group-2)
    - c. Foundation effect (Group-3)
      - i. Shallow foundations
        - o Damping
        - o Stiffness
      - ii. Deep Foundations
        - o Damping
        - o Stiffness
  - III. **Review of Economic implication of proposed guideline** (All Groups)
- 5- Volunteers and suggestions for each Group

## **American Concrete Institute**

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- a. Group-1  
Jon Galsworthy, Daryl Boggs, Peter Case, Ahsan Kareem, Viral Patel, ....
  - b. Group-2  
Viral Patel, Ahmad Rahimian, Ramon Gilsanz, ....
  - c. Group-3  
Sissy Nikola (Mueser Rutledge, Ahmad will invite her to the committee)  
Prof. Hesham El Naggar, University of Western Ontario (Ahmad will invite him to the committee)
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- 6-** Possible mechanism for publishing a new design guidelines including state of practice conclusions from survey and possible seminar.
  - 7-** New Business
  - 8-** Adjournment