

ACI-ASCE Committee 447
Finite Element Analysis of Reinforced Concrete Structures
Meeting at Room C-106- C
Phoenix,Az 10/21/2013 11:00:00 AM - 1:30:00 PM
ACI Fall Convention 2013

1. Call to Order and Introduction of Members and Guests

2. Excused absences

3. Review and approve minutes from previous meeting: ACI Spring 2013 Minneapolis Convention.

4. Membership update:

5. Report on possible technical sessions/Special Publications to be sponsored by the committee:

- a. **Cusatis:** “Development of guidelines for the calibration and validation of concrete models” , Session in Collaboration with ACI-446 on Calibration of Concrete Models.
- b. **Ganesh:** Fall 2013 Session on ‘Blast Blind Prediction Contest’ – Winners to present their results and methodologies. Session on Tuesday from 4-6 pm.
- c. **Special Publication** – cosponsored by 370 (Ganesh).
- d. Future sessions to be organized?

6. Update on State-of-the-Art Reports

- a. **Ayoub:** Modeling of Modern Concrete Structures for Performance-Based Earthquake Engineering (447.XR)
- b. **Sritharan and Zhao (in collaboration with Com. 408):** Modeling of Cyclic Bond in Reinforced Concrete (447.YR)
- c. **Al-Mahaidi:** Modeling for the Repair and Rehabilitation of Modern Concrete Structures for Performance Based Design (447.ZR)
- d. **NESCC – Concrete Task Group (CTG) Report:** Post-Processing Finite Element Analysis Results for the Design of Nuclear Concrete Structures (447.YT)
Micheal OLeary / Carlos Coronado: Update

7. Twisting Moments in Finite Element Based Design of Reinforced Concrete Slabs (Allan Bommer)

8. Discussion of draft documents (from past several years). Several outstanding incomplete documents exist and the status of these documents will be discussed. The chair will bring the existing copy and seek ways to move these documents to completion.

9. Importance of Shear Deformation Theory in Nuclear Containment Design –Mukti Das”

10. Brief introduction by Dr. Marios Panagiotou of his research work.

11. New Business/ Adjourn