

**ACI-ASCE Committee 447**  
Finite Element Analysis of Reinforced Concrete Structures  
Meeting at ACI Spring Convention 2008, Los Angeles, California  
Park Meeting Room  
Monday, March 31, 11:30am-2:00pm

**1. Introductions**

**2. Review and approve minutes from previous meeting: ACI Fall Convention, Puerto Rico, October 2007**

**3. Membership update: The following individuals have joined the committee since the last meeting:**

- Associate member: Mukti Das, Bechtel Power Corporation, MD
- Associate member: Appa Rao, Indian Inst. of Technology, Madras
- Associate member: Robert Esplin, Engineering System Solutions, ID
- Associate member: Ben Hassine, Garrad Hassan America Inc, CA

**4. Announcements**

**5. Report on upcoming technical sessions to be sponsored by our committee:**

- a. **Lowes:** Reminder of two technical sessions to take place on the afternoon of Thursday, 24 April at the **2008 Structures Congress, April 24-26 2008, Vancouver, B.C.:**
  - i. *Application of Finite Element Analysis for Seismic Design and Evaluation of Concrete Buildings:*
  - ii. *Application of Finite Element Analysis for Design of Concrete Structures*
- b. **Bommer:** Two technical sessions organized sponsored by Com. 447 with Com. 118 to be held at the **2008 ACI Fall Convention, St. Louis.**
- c. **Future sessions to be organized?**

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

- a. **Ayoub, Mo, Palermo:** Modeling of Modern Concrete Structures for Performance-Based Design
- b. **Al-Mahaidi:** Modeling for the Repair and Rehabilitation of RC and Masonry Structures
- c. **Sritharan and Ayoub (in collaboration with Com. 408):** Modeling Bond in Reinforced Concrete
- d. **Connelly:** Modeling of Structural Concrete under Impact and Blast Loading

**7. Update on Practice-Oriented Information (POI) documents**

Note: POI documents would be roughly 2-5 pages. May take time to write concisely but seems that they could be balloted and published relatively quickly.

- a. **Bommer:** Assumptions in FE Slab Analysis and Their Design Implications
- b. **Bommer (with Sullivan):** Evaluation of Negative Flexural Strength in Composite Girders with Post-Tensioned Slabs
- c. **New POIs?**

**8. Presentation by Rao on FEA of beam-column joints using MASA**

**9. New business**