

ACI-ASCE Committee 447:
Finite Element Analysis of Reinforced Concrete Structures
Concrete Convention - Committee Meeting
Date: 03/28/2022 Time: 11:30AM - 1:30PM (Eastern Time)
ACI spring 2022 Convention

1. Call to Order (11:30am)

2. Introduction of Members and Guests, Excused Absences (11:35am)

3. Review minutes from meeting at ACI fall 2021 Virtual Convention. (11:45am)

4. Short Presentations (no later than 12:10pm)

- “Finite Element Modeling of Corrosion-Damaged Reinforced Concrete Structures” by Siavash Habibi, Anca Ferche, and Frank Vecchio

5. Report on possible technical sessions/Special Publications to be sponsored by the committee (12:30pm)

a. Ongoing sessions

Please propose technical sessions as they are the core of ACI conventions

b. Future sessions to be organized

1. Session on "pre- and post-processing for software in nuclear applications."
(Mokhtar-Zadeh)
2. Session on "Sanity Checks in using finite element modeling for practice."
(Schuman)

c. Future sessions to be co-organized

Please propose technical sessions as they are the core of ACI conventions

6. Discussion of Ballots on ACI 447.YT: Post-Processing of Finite Element Analysis for Concrete Structures (12:40pm), by

Final version Contributors: Draper, Jason; Bassam, Asa; and Mokhtarzadeh, Abbas

Original version Contributor: Coronado, Carlos; O’Leary, Michael; Draper, Jason; and Mokhtarzadeh, Abbas

7. Discussion of TAC Review on ACI 447.YR: State-of-the-art report on modeling bond in reinforced concrete (1:00pm)

Contributors: Sri Sritharan, Jian Zhao, James Cox, Anca Ferche, and Ruben Soto.

8. Updates on State-of-the-Art Reports (1:15pm)

- a. **ACI 447.XR: Nonlinear Modeling Techniques for Concrete Frame Structures** (Previously Modeling of Modern Concrete Structures for Performance-Based EQ Engineering) by Serhan Guner, Aikaterini Genikomsou, and Anca Ferche
- b. Benchmark Problems and Simulation Examples for Finite Element Modeling of Reinforced Concrete Structures by Eric Kjolsing

9. New Business/Adjourn (1:30pm)

Decennial conference "Bond in Concrete," Stuttgart, Germany in July 2022.