

**ACI 314 Committee Meeting — San Francisco, CA Convention
Union Square 15 Room at the San Francisco Hilton
Wednesday, October 27, 2004 — 8:30 to 11:30 AM
MINUTES**

Members Attending: Ed Alsamsam, Florian Barth (TAC representative), Ken Bondy, JoAnn Browning, Jim Cagley, Gene Corley, Om Dixit, Anthony Felder, Luis Garcia (chair), Mahmoud Kamara, Jason Krohn, James Lai, Lionel Lemay, Adolfo Matamoros, Mike Mota, Viral Patel, Santiago Pujol, Basile Rabbat, Julio Ramirez, Bill Rushing, Jairo Uribe.

Visitors: Thomas Adams (ACI Staff), David Bilow, Domingo Carreira, Rex Donahey (ACI Staff), Luis Farzier, John Gonzalez, Patricia Guerrero, Rolfe Jennings, Robert Mast, Carlos Ospina, Guillermo Santana, Douglas Sordyl, Chan Voh.

1. Welcome and introductions - The meeting was called to order at 8:30 and introductions were made.

2. Review agenda - No modifications were made to the agenda distributed prior to the meeting.

3. Mission and Membership - Luis Garcia indicated that membership status is flexible and he will accept requests for change in membership status before the meeting in New York.

4. Short presentations on related work - A series of short presentations were made to introduce the topic of simplified design and analysis of concrete structures.

- A. Basile Rabbat discussed the history of the successful PCA seminars on simplified design using the ACI318 building code.
- B. Adolfo Matamoros made a presentation of findings from the 2003 Bingol earthquake in Turkey.
- C. Andres Lepage presented the “Flat-rate” design method for regular low-moderate rise reinforced concrete buildings. The paper was published in ACI Structural Journal in July 2004.
- D. Luis Garcia explained the present status of IPS-1. There was interest expressed by members of the committee to adopt and maintain this document. Issues such as the use of copyrighted information in the document and the use of mandatory language will have to be resolved.

5. Discussion on future tasks - Attendees were asked to share their ideas for the direction and operation of the committee. The following ideas were presented:

- Simplifying design for economically-beneficial construction practices.
- Certification of structural software that use ACI design methods.
- Simplifying ACI 318 design procedures.
- Careful review of IPS-1.
- Keeping a limited scope instead of using a more-inclusive design procedure.
- Use Concrete International to market ideas from 314 and allow public to comment.
- Careful consideration of economic impacts/benefits of using simplified procedures.
- Development of new design aids, such as standard column-cage configurations and flow charts for ACI318 design procedures.
- Consider simple pre-cast, pre-stressed, and post-tensioned elements.
- Include simple bridge structures.
- A minimal code edition of ACI 318.
- Careful consideration of the illusion of precision by increasing the complexity of design equations and procedures.
- Preliminary design of elements.

6. Definition of Task Groups and tentative schedule - The following areas of emphasis were identified for future business of 314.

- A. Update IPS-1
- B. Preliminary design
- C. Economic impact
- D. Prestressed / precast elements and systems
- E. Simplify 318 procedures
- F. Design aids – database of cages, flow diagrams

Volunteers to work in each area were requested from the committee. Luis Garcia will select a task group leader from each group of interested members.

7. Next meeting

Luis Garcia will request a Monday afternoon meeting time for the New York City conference to be held in Spring 2005.

8. Other business

No other business was introduced.

9. Adjournment

The meeting adjourned at 11:45 a.m.