

**ACI-348 STRUCTURAL SAFETY
Minutes of Committee Meeting
ACI Fall Convention 2003**

DATE: Monday, September 29, 2003

TIME: 5:00 PM – 6:30 PM

VENUE: Beacon F Room, Sheraton Hotel, Boston, MA

PRESENT:

Committee members:

Hani Nassif, Rutgers University, Piscataway, NJ (Chair)

Sofia Diniz, Federal University of Minas Gerais, Brazil (Secretary)

Mike Bartlett, University of Western Ontario, Canada

George Tsiatas, University of Rhode Island

Andy Scanlan, Penn State University (TAC)

Visitors:

Riyadh Hindi, Bradley University

1. Introduction

Nassif called the meeting to order at 5:05 PM. Nassif passed the attendance sheet.

2. Minutes of the meeting held in Vancouver, Canada, March 31, 2003

Nassif presented the minutes of the Spring 2003 meeting in Vancouver, Canada, Monday, March 31, 2003. Nassif mentioned that the minutes were posted in the ACI website with committee members receiving an email message about the availability of the minutes. Nassif asked if there were any comments or changes in the minutes. The minutes were accepted unanimously.

3. Development of rational strength reduction factors for ACI 318

Nassif reported the work developed by committee member Andy Nowak on the development of rational strength reduction factors for ACI 318. This work is being developed at the University of Michigan with the sponsorship of PCA. Nassif also mentioned that this major work has been the basis for the code calibration that resulted in new resistance factors for ACI 318-02 that are in agreement with the ASCE 7 Standard. This work has been documented in two recently published papers that appeared in the ACI Structural Journal. Nassif mentioned that those papers received a recommendation for an award by this committee.

Nassif pointed out that this committee is the right forum for the discussion on the ACI code calibration procedures and it would be appropriate to give our comments on this topic. Additionally, we should make an effort to document the recent effort leading to the

new ACI 318-02 calibration. Nassif pointed out that Nowak is willing to cooperate with this initiative but still have to receive the approval from PCA who funded the research. Nassif also mentioned that Nowak apologized for not being able to attend this meeting but will report on this subject in the next meeting. It was agreed that the two recently published papers by Nowak and Szerszen should be the starting point for such a document. A discussion followed on the nature and adequacy of this document. Scanlan asked who would be the audience for this document. Scanlan also mentioned that the ACI membership is not well aware of the calibration process, and this document could have an educational purpose. Nassif agreed that there is a need for a better documentation and greater transparency of the procedures leading to the new load and resistance factors in ACI 318.

4. Load Models

This topic was discussed in conjunction with item 5 in the agenda.

5. Current and future sessions

Nassif mentioned that in the past committee meeting in Vancouver two sessions have been proposed for San Francisco. The two proposed sessions are:

“Load Models and Material Properties for Concrete Structures: Part I”

“Load Models and Material Properties for Concrete Structures: Part II”

Nassif also reported that a Special Publication is being planned to document the papers presented in these sessions, and, in order to better accommodate the timetable for the preparation of an ACI-SP, these sessions have been rescheduled for the 2005 Spring Convention in New York. Nassif and Diniz are organizing these sessions and the description of the session, as well as, the list of potential speakers has already been prepared. Nassif also presented the timeline for the session submittal and special publication preparation.

6. Membership updates

Dr. Riyadh Hindi from Bradley University manifested his interest in being a member of this committee. Nassif suggested that he could either send the application to him (or Diniz) or applying for membership through the ACI website.

7. New business

No new business was reported.

8. Next committee meeting

Nassif asked the committee members the most adequate schedule for the next committee meeting that will be held during the 2004 ACI Spring Convention in Washington, DC. It

was agreed that the best choice was Monday afternoon, or if not possible, Sunday afternoon.

9. Adjournment

The meeting was adjourned at 6:30 PM.