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Tuesday, November 3, 2009

Memorandum

To: Members of ACI Committee 348

From: Sofia M.C. Diniz, Committee Chair

Re: ACI Committee 348 Structural Safety

Dear Members and Friends,

Please find enclosed the minutes of our meeting in San Antonio, TX. The minutes were prepared from the notes taken by Nakin Suksawang which is acknowledged with thanks. Also, please find enclosed a copy of the agenda for our upcoming meeting in New Orleans, LA, on **Tuesday, November 11, 2009**. The meeting will be held at Studio 5, **8:30 AM-11:30 AM**.

Please let me know if you will be able to attend this meeting.

I look forward to seeing you in New Orleans!

cc: Hani Nassif, TAC Contact
Daniel Falconer, ACI Staff

ACI Committee 348

Structural Safety

Tuesday, November 11, 2009, 8:30 am-11:30 am

Studio 5, Marriott New Orleans, New Orleans, Louisiana

AGENDA

Call to order

The agenda items are:

1. Introduction
2. Minutes of the meeting held in San Antonio, TX, March 17, 2009
3. Discussion on committee documents under development
4. Future directions
5. Future sessions
6. Future conferences
7. Membership updates
8. New business
9. Next Committee meeting
10. Adjournment

ACI Committee 348
Structural Safety

Minutes of Meeting held Tuesday, March 17, 2009
8:30 A.M. – 10:00 A.M.
Room Suite 529, **Marriott Rivercenter, San Antonio, TX**

ATTENDANCE

VOTING MEMBERS	ASSOCIATE MEMBERS	VISITORS
Sofia Diniz (Chair) Hani Nassif (TAC Contact) Rita Oglesby Andy Nowak Andy Scanlon Nakin Suksawang	Ozgur Ozkul Abbie Liel	John Turner

1. INTRODUCTION

- The meeting was called to order by Chairman Diniz at 8:30 AM and all in attendance were welcomed.
- Chair introduced and welcomed new committee members, Dr. Ozkul and Dr. Liel.

2. MINUTES OF THE MEETING HELD IN SAINT LOUIS, NOVEMBER 4, 2008

- Chair mentioned that the Saint Louis minutes were posted on the ACI website committee's page and emailed to committee members.
- Due to the lack of attendance by the voting members in the current meeting, ACI 2008 Fall Convention meeting minutes could not be approved.

3. DISCUSSION ON COMMITTEE DOCUMENTS UNDER DEVELOPMENT

- Diniz mentioned that, as agreed during the Saint Louis meeting (Fall 2008), the committee should write two papers, one on Statistics and one on Structural Reliability.

- The idea for the document on Statistics has started from the document proposed by committee member Bazant, entitled “*The Proper Use of Statistical and Probabilistic Techniques as Applied to Concrete Practice*”. As decided during the Saint Louis meeting, Bazant’s document should not be adopted by Committee 348 as a committee document in its proposed form. The paper should be modified in such a way to make it appropriate to a broader audience.
- Diniz mentioned that following the request of committee member Bazant, two documents were circulated among committee members for their input on the adequacy of dealing with the suggested topics within the 348 committee. These documents are the papers entitled “Does Strength Test Satisfying Code Requirement for Nominal Strength Justify Ignoring Size Effect in Shear?” and “Reliability, Brittleness, Covert Understrength Factors, and Fringe Formulas in Concrete Design Codes”, both coauthored by Bazant. Scanlon added that serious charges have been made in these documents, and that the 348 committee needs to address them. Nassif suggested that the committee should focus on writing a document on basic statistics, but questioned who is going to volunteer for this work.
- For the second paper on Structural Reliability, Diniz mentioned that a first draft of the document “*Structural Reliability Basics*” has been circulated among the committee members for their input and has been discussed during the Saint Louis meeting. Diniz emphasized that more committee members involved in this task are needed.

4. FUTURE DIRECTIONS

Future directions have been discussed and proposed as reported in the previous item.

5. FUTURE SESSIONS

The committee is currently working on two sessions:

- (1) “Errors in the Design and Construction of Concrete Structures—Examples, Consequences, and Mitigation”. Maamouri is leading this effort. This session will be co-sponsored by ACI 345 (Bridge Construction) and has been planned for Chicago 2009. A call for papers has appeared in *Concrete International*.
- (2) “Service Life and Safety”. This session will be co-sponsored by ACI 365 (Service Life Prediction). Dr. Lounis from ACI 365 is leading this effort.

6. FUTURE CONFERENCES

Diniz reported of some upcoming sessions that may be of interest to members of the Committee. These include:

ICOSSAR 2009, *The 10th International Conference on Structural Safety and Reliability*
Kansai University, Osaka, Japan, September 13-17, 2009

www.sc.kutc.kansai-u.ac.jp/icossar2009/

(Committee member Frangopol is chair of the International Scientific committee;
committee members Bazant, Diniz, Nassif, and Nowak are members of the International
Scientific committee)

Second International Symposium on Life-Cycle Civil Engineering (IALCCE 2010)

Taipei, Taiwan, October 27-30 2010

www.ialcce2010.org

(Committee member Frangopol is symposium chair; committee members Diniz and
Nowak are members of the International Scientific committee)

IABMAS2010, *The 5th International Conference on Bridge Maintenance, Safety and
Management*

July 11-15, 2010, Philadelphia

www.iabmas2010.org

(Committee member Frangopol is conference chair; committee member Nowak is co-
chair of the Scientific committee, Diniz and Nassif are members of the Scientific
committee)

7. MEMBERSHIP UPDATES

Diniz reported that ACI 348 has a new Associate Member, Dr. Ozgur Ozkul. This was
also the first meeting attended by Dr. Liel.

8. NEW BUSINESS

None.

9. NEXT COMMITTEE MEETING

Next meeting will be held during the New Orleans Fall convention. If possible, the
meeting will be kept on Tuesday starting at 8:30 am but with a longer duration.

10. ADJOURNMENT

The meeting adjourned at 10:00 am.

Minutes prepared by Sofia Diniz from notes taken by Nakin Suksawang.