

Universidade Federal de Minas Gerais - UFMG  
School of Engineering, Department of Structural Engineering  
Av. Antonio Carlos 6627, Belo Horizonte, MG, 31.270-901, BRAZIL  
Phone: +(55-31)3409-1977, FAX: +(55-31)3409-1973, email: diniz\_s@yahoo.com

Tuesday, March 16, 2010

**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 New Orleans, LA. Also, please find enclosed a copy of the agenda for our upcoming meeting in Chicago, IL, on **Tuesday, March 23, 2010**. The meeting will be held in **Parlor G Room, Sheraton Chicago, 8:30 AM-11:30 AM**.

Please let me know if you will be able to attend this meeting. Also, I would like to welcome Ludmil Dolapchiev, Hasan A. Kamal, and Radhakrishna Pillai, new members of the ACI 348 committee.

I look forward to seeing you in Chicago!

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

**ACI Committee 348**

***Structural Safety***

**Tuesday, March 23, 2010, 8:30 am-11:30 am.**

**Parlor G Room, Sheraton Chicago Hotel, Chicago, IL**

**AGENDA**

Call to order

The agenda items are:

1. Introduction
2. Minutes of the meeting held in New Orleans, LA, November 10, 2009
3. Discussion on committee documents under development:
  - (i) The Proper Use of Statistical and Probabilistic Techniques as Applied to Concrete Practice (Bazant);
  - (ii) Structural Reliability Basics (Diniz).
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, November 10, 2009  
8:30– 11:30 A.M.  
Studio 5 Room  
Marriott New Orleans  
New Orleans, LA**

### **ATTENDANCE**

#### **Voting Members:**

Diniz, S. *Chair*  
Maamouri, M.  
Nassif, H.  
Oglesby, R.

#### **Visitors:**

### **1. INTRODUCTION**

- The meeting was called to order by Chairman Diniz at 8:30 AM.
- Chair mentioned that Suksawang would not be able to attend the meeting (severe weather in Miami). Also, Mayrai Gingy would not be able to attend the meeting due to health problems.

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

- Chair mentioned that the San Antonio minutes were posted on the ACI website committee's page and emailed to committee members.
- With only four voting members in the current meeting, ACI 2009 Spring Convention meeting minutes could not be balloted.

### 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*.
- For the document on Statistics, a major problem on its development is to find those willing to volunteer for this task.
- Regarding 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 in previous meetings. Diniz emphasized that more committee members involved in this task are needed. A major part of the New Orleans meeting was devoted to the discussion and revision of this document. It was agreed that Diniz and Nassif will prepare a draft of this document.

### 4. FUTURE DIRECTIONS

Future directions have been discussed and proposed as reported in the previous item. It was identified that this committee needs more visibility. It was agreed during the meeting that a change in the committee mission, better emulating committee goals, methods and initiatives would be required. Diniz also mentioned that it would be crucial to have a published document from this committee, which could be a tech note, a CI article, or a technical report.

### 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*. However, Maamouri still did not know the status of the session, i.e. if the session has been approved for Chicago or postponed for a later convention. He also mentioned that there were five speakers in the session. Nassif observed that maybe ACI would request an additional speaker before approval could be granted. Diniz added that instead of having a sixth speaker, the spare time could be used for discussions, and certainly such a session could profit from the involvement of the audience in these “guided” discussions. Diniz thanked Maamouri for his effort.
- (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:

*Second International Symposium on Life-Cycle Civil Engineering (IALCCE 2010)*  
Taipei, Taiwan, October 27-30 2010

[www.ialcce2010.org](http://www.ialcce2010.org)

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

*IABMAS2010, The 5<sup>th</sup> International Conference on Bridge Maintenance, Safety and Management*  
July 11-15, 2010, Philadelphia

[www.iabmas2010.org](http://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 her term as committee chair will expire at the end of the *2010 ACI Spring Convention*. An important task for the incoming chair will be finding new active members. Diniz reminded that during her term, new members were added and others were dismissed or had their status changed (from Voting to Associate) due to a number of reasons.

## **8. NEW BUSINESS**

None.

## **9. NEXT COMMITTEE MEETING**

Next meeting will be held during the Chicago Spring convention.

## **10. ADJOURNMENT**

The meeting adjourned at 11:30 am.

Minutes prepared by Sofia Diniz.