

Universidade Federal de Minas Gerais - UFMG
School of Engineering, Department of Structural Engineering
Av. do Contorno 842, Segundo Andar, Belo Horizonte, MG, 30110-060, BRAZIL
Phone: +(55-31)3238-1977, FAX: +(55-31)3238-1973, email: diniz_s@yahoo.com

Monday, March 20, 2006

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 Kansas City, MO. The minutes were prepared by Neven Krstulovic which is acknowledged with thanks. Also, please find enclosed a copy of the agenda for our upcoming meeting in Charlotte, NC, on Tuesday, March 28, 2006. The meeting will be held in Room W-Park, between 11:30 AM-1:00 PM. I would like to call your attention for item 4 in the agenda *Future directions (interaction with other ACI committees)*. As we have decided in the Kansas City meeting, a short questionnaire is being forwarded to you. Please forward your input to me ASAP, in such a way that this topic may be discussed in our meeting in Charlotte.

I look forward to seeing you in Charlotte!

cc: Andrew Scanlon, TAC Contact
Daniel Falconer, ACI Staff

ACI Committee 348

Structural Safety

Tuesday, March 28, 2006, 11:30 am-1:00 p.m.

Room W-Park, Westin Charlotte, Charlotte, NC

AGENDA

Call to order

The agenda items are:

1. Introduction
2. Minutes of the meeting held in Kansas City, MO, November 8, 2005
3. Dissemination of Structural Reliability concepts and applications
4. Future directions (interaction with other ACI committees)
5. Current sessions (Charlotte)
6. Update on session “How Reliable Is Reliability?” (Denver)
7. Future sessions
8. Recent & future conferences
9. Membership updates
10. New business
11. Next Committee meeting
12. Adjournment

Questionnaire

Member name:

ACI Committee(s) of membership:

Committee(s) you believe could more directly profit from a greater interaction with ACI 348:

Topics in which ACI 348 can be of assistance to other committee(s):

Comments/ Suggestions



ACI Committee 348

Structural Safety

Minutes of Meeting held Tuesday, November 8, 2005
11:30 A.M. – 1:00 P.M.
Room C-2213
Marriott Downtown
Kansas City, MO

ATTENDANCE

Voting Members:

Diniz, S. *Chairlady*
Krstulovic, N., *Secretary*
Bartlett, M.
Gindy, M.
Nassif, H.
Oglesby, R.
Sandberg, H.

Visitors:

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1. CALL TO ORDER

The meeting was called to order by Chairlady Diniz.

2. PREVIOUS MINUTES

Minutes from the New York, NY meeting on Monday, April 18, 2005 were approved unanimously.

3. FUTURE DIRECTIONS

Committee continued the discussion started during the New York city meeting on the need for increasing understanding in the engineering community of basic probabilistic concepts behind load factors and resistance factors. Members felt that the best mechanism for disseminating this information is by organizing a session on basic probabilistic concepts and publishing articles in the *Concrete International*. Nassif suggested that the committee should first organize a session (subject that was discussed during the last meeting), and then based on the results of this session come up with the specific theme for an article. It was also pointed out that there will be only one session held in Denver and that, thus, we should focus on a selected number of key topics.

Bartlett pointed out that our committee should reach out to other committees that use reliability concepts and assist them in handling the reliability aspects of their particular work. Nassif supported this view and emphasized that the committee 348 should assist other committees with our expertise in the field of reliability. Nassif suggested that we contact directly chairs of the other committees on this issue. It was also suggested that our members provide a list of other committees they are member of and which might be using reliability concepts. Bartlett listed committees 214 on the *Evaluation of Results of Tests Used to Determine the Strength of Concrete*, 318 on the *Structural Concrete Building Code (Subcommittee C on Safety, Serviceability, and Analysis)* and 342 on the *Evaluation of Concrete Bridges and Bridge Elements*, both Oglesby and Sandberg listed committee 342 and Krstulovic listed committees 376 on the *Concrete Structures for Refrigerated Liquefied Gas Containment* and 544 on the Fiber Reinforced Concrete. Other committees that should be considered were also pointed out. These include:

- Construction Liaison Committee
- Responsibility in Concrete Construction
- 315 - Details of Concrete Reinforcement

It was suggested that a questionnaire should be send to all committees to both identify their specific needs regarding safety and reliability and identify ways of how the committee 348 can assist them. Oglesby suggested that once a list of the committees has been created, each member should be assigned specific committees to contact.

The committee members decided that the following plan of action should be followed:

1. Survey all the committee members and create a list of relevant committees the 348 members are also members of. The questionnaire should include the following information:
 - Committees members serve on
 - List of possible topics our committee can help with
 - List of any other committees one is not a member of but is aware that our committee 348 can assist
2. Summarize findings and ballot the list of the specific committees we should contact – to be listed in order of interest and importance
3. Approach the selected committees and present them with examples of actual scenarios describing how safety and reliability methods can be used in various fields of application

4. FUTURE SESSIONS

- **ACI Technical Sessions in Charlotte, 2006:** Two sessions on *Concrete Containment Structures for Cryogenic Liquids: Current Needs and Recent Developments* will be held on March 29. The sessions are co-sponsored by ACI Committees 348 and 544. It is anticipated that the presented papers will be organized into a Special Publication. Contact: Krstulovic.
- **ACI Technical Sessions in Denver, 2006:** The session “How Reliable Is Reliability?” has received preliminary approval by ACI. Session organizers are Diniz and Nassif. It is anticipated that a Special Publication will not be pursued at this time; however, as mentioned in item 3, this could be the starting point of publications as an article in *Concrete International*.

5. RECENT AND FUTURE CONFERENCES

- **3rd International ASRAnet Colloquium, Glasgow, July 2006:** The colloquium is organized by the Network for Integrating Structural Analysis, Risk and Reliability. The call for papers is still opened. Additional information can be obtained at www.asranet.com. Contact: p.k.das@na-me.ac.uk.
- **IABMAS'06 - Third International Conference on Bridge Maintenance, Safety and Management, Porto-Portugal, July 2006:** The conference is organized by the International Association for Bridge Maintenance and Safety. The call for papers is still opened. Additional information can be obtained at www.iabmas06.com/default2.asp.
- **Computational Stochastic Mechanics, Rhodes, Greece, June 2006:** The conference is chaired by Professor M. Di Paola of the University of Palermo, Sicily, Professor M. Shinozuka of the University of California, CA, USA, and Professor P. Spanos of Rice University, Houston, Texas, USA. Additional information can be obtained at <http://www.diseq.unipa.it/it/csm5/home.htm>
- **5th International Workshop on Life Cycle Cost Analysis and Design of Civil Infrastructure Systems, Seoul, Korea, October 16-18, 2006:** Additional information can be obtained at <http://www.lcc5.org/>

6. MEMBERSHIP REPORT

Chairlady Diniz welcomed Mayrai Gindy as a new member of the 348 committee. Diniz informed committee members that Dr. Gindy has been accepted as a voting member of the 348 committee.

7. ADJOURNMENT

The meeting was adjourned at 1 P.M.

Respectfully submitted,
Neven Krstulovic
Secretary, ACI 348
February 5, 2005