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Tuesday, October 31, 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 Charlotte, NC. 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 Denver, CO, on Monday, November 6, 2006. The meeting will be held in Room Plaza 7, 11:30 AM-1:00 PM.

I look forward to seeing you in Denver!

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

ACI Committee 348

Structural Safety

Monday, November 6, 2006, 11:30 am-1:00 p.m.

Room Plaza 7, Adam's Mark Hotel, Denver, CO

AGENDA

Call to order

The agenda items are:

1. Introduction
2. Minutes of the meeting held in Charlotte, NC, March 28, 2006
3. Dissemination of Structural Reliability concepts and applications
4. Future directions
5. Current and future sessions (Denver and Puerto Rico)
6. Recent & 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 28, 2006
11:30 A.M. – 1:00 P.M.
Room "Park"
Westin Hotel
Charlotte, NC

ATTENDANCE

Voting Members:

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

Visitors:

Criswell, M.E.
Suksawang, N.

1. CALL TO ORDER

The meeting was called to order by Chairlady Diniz.

2. PREVIOUS MINUTES

Minutes from the Kansas City, MO meeting on Monday, November 8, 2005 were unanimously approved.

3. DISSEMINATION OF STRUCTURAL RELIABILITY CONCEPTS AND APPLICATIONS

Committee continued the discussion started during the New York meeting on the need for increasing understanding within the engineering community on the basic probabilistic concepts behind load and resistance factors. More specifically, during the Charlotte meeting the committee focused on how to disseminate this information. One of the possible options previously proposed by Nassif is to release a Special Publication (SP). Diniz has mentioned that the session entitled "How Reliable Is Reliability?", to be held during the Denver convention this Fall, has been submitted. The session moderators are Diniz and Nassif. However, the limited number of papers to be presented in the proposed session does not warrant publication of an SP.

Criswell suggested the organization of another session on related topics during subsequent conventions, and the publication of an SP combining papers from both sessions. The committee decided to hold the second session during the convention in Puerto Rico. Papers from both the Denver session and the future session in Puerto Rico

can then be published in an SP. Hence, the committee decided to propose two sessions on load and resistance factors for the convention in Puerto Rico. Gindy and Diniz were chosen for session moderators. ACI 376 offered to co-sponsor the sessions.

Committee also discussed the idea of developing a closer collaboration with ASCE committees on Structural Safety and Reliability. Input from all committee members on this issue will be solicited. It was also suggested that Julio Ramirez, who is working on bringing together various ACI and ASCE committees, should be contacted.

3. FUTURE DIRECTIONS

Committee discussed assisting other ACI committees with safety and reliability related topics. The following committees that might have interest in our assistance were identified: 341, 342, 343, 374, 375, and 376.

4. SESSIONS

5.1 Current Sessions - ACI Sessions in Charlotte, 2006

Two sessions on Concrete Containment Structures for Cryogenic Liquids: Current Needs and Recent Developments were held on March 29, 2006. The sessions were co-sponsored by ACI Committees 348 and 544. It is anticipated that the presented papers will be organized into a Special Publication. Contact: Krstulovic.

5.2 Update on Denver 2006 Session on "How Reliable is Reliability?"

Nassif mentioned that the session has been conditionally approved, pending title and abstract submission of the proposed talk by Faber. Diniz mentioned that after consulting some potential speakers, the submitted session is as follows:

Sofia M.C. Diniz, Federal University of Minas Gerais

Structural Reliability Basics

Ross Corotis, University of Colorado at Boulder

Is Structural Reliability a Professional Responsibility?

Andrzej S. Nowak, University of Nebraska Lincoln and Ewa K. Szeliga, Warsaw University of Technology

Reliability Analysis for Concrete Structures designed using ACI 318 (1999 and 2005)

Michael Faber, ETH Zurich and Ton Vrouwenvelder, Delft University

On Methods of Structural Reliability for Engineering decision Making

Dimitris Diamantidis, Regensburg University of Applied Sciences

Reliability of Existing Structures – The JCSS Recommendations

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/>.
- ICASP10 (International Conference on Applications of Statistics and Probability in Civil Engineering). ICASP10 will be held on the Kashiwa campus of the University of Tokyo, July 31 to August 3, 2007. Additional information can be obtained at <http://www.ics-inc.co.jp/ICASP10>.

6. MEMBERSHIP REPORT

Chairlady Diniz reported that the committee currently has 19 Voting Members and 12 Consulting Members. One new Associate Member, Sérgio Hampshire dos Santos, has also joined the committee since the last meeting, bringing the number of Associate Members to 6.

7. ADJOURNMENT

The meeting was adjourned at 1:20 P.M.

Respectfully submitted,
Neven Krstulovic
Secretary, ACI 348
April 12, 2006