

**ACI COMMITTEE 335 –
COMPOSITE AND HYBRID STRUCTURES
Main Committee Meeting
2010 ACI Fall Convention**

Date: Sunday, October 24, 2010

Time: 11:30 am - 1:00 pm

Location: Pittsburgh, PA: Room C-401, David L. Lawrence Convention Center

MEETING MINUTES

1. Call to Order and Introductions

The meeting was begun at 11:30 am.

2. Approval of minutes from Chicago, Spring 2010 meeting

Approved as submitted.

3. Approval of agenda; addition of other items

Approved as submitted.

4. Introduction of Members and Visitors

The following members and visitors were in attendance.

Voting Members:

Gustavo Parra-Montesinos (Chairman), Paul Ziehl, Luis B. Fargier-Gabaldón, Hayder Rasheed, Thomas Kang, Kent Harries, Richard Furlong, Y.L. Mo, Andrés Lepage, Amir Fam

Associate Members:

Chien-Chung Chen, Ahmed Abd El Fattah

Visitors:

Jason McCormick, Xuemei Liang, Mark Nelson, Randy Kohlman

5. Development of Special Publication from session papers

Only a limited number of papers was expected to be submitted for a potential SP. Thus, the committee decided not to pursue an SP related to the session held in Pittsburgh. Authors were encouraged to submit their papers individually for publication in any of the ACI journals/magazines.

Minutes of Meeting

Committee 335 – Composite and Hybrid Structures

March 21, 2010

Page 2

A discussion followed with regard to a paper by Dick Furlong on the history of design provisions for composite columns. The committee agreed to endorse the submission of this paper for publication in Concrete International (CI). Gustavo Parra was to check with Rex Donahey about the possibility of getting this paper published in CI. [Several weeks after the Pittsburgh convention, Dick Furlong and Gustavo Parra had separate communications with Rex D. about this. Gustavo Parra's understanding is that given the length of the paper, it was to be split and published in parts.]

6. Update on shear design provisions for composite columns

The shear design provisions for composite columns developed by AC 335 were forwarded to ACI 318-D. Because of the ongoing code reorganization effort, Sub-D has not yet reviewed the code change proposal developed by ACI 335.

7. Discussion on short and medium term initiatives

A discussion on potential future efforts to be led by ACI 335 took place. A proposal was made by Paul Ziehl for ACI 335 to develop a state-of-the-art document on textile fiber reinforced concrete. It was agreed that Paul would work on a tentative outline for such a document, as well as on a list of potential contributors to this effort.

The possibility of publishing a revised set of guidelines for the design of composite connections between reinforced concrete columns and steel beams was discussed. Gustavo Parra informed the committee that the update of the 1994 ASCE guidelines for composite connections was almost completed a few years ago by himself, Luis Fargier-Gabaldón, Greg Deierlein, and Paul Cordova. This document was never published due to issues related to authorship between ACI and ASCE. The committee agreed to reexamine the possibility of publishing this document. It was mentioned that ACI 369 is currently updating ASCE 41. Gustavo Parra will inquire with staff about steps that could be taken to complete this document.

The committee discussed the possibility of collaborating, and even merging, with the ASCE Committee on Composite Construction. No concrete action was decided at this time. However, the committee agreed to explore with ACI staff about possibilities for collaboration with AISC and ASCE on the development of a separate design document for composite structures.

8. Other projects in progress

Thomas Kang made a presentation about recent research at the University of Oklahoma on concrete-filled flexural members.

9. Future Meeting

Next meeting will take place on Sunday April 3, 2011 at the Il Terrazzo Private Room, Marriott Hotel, Tampa, FL from 11:30am to 1:00pm.

10. Adjournment

The meeting was adjourned at 1:00 pm.