



American Concrete Institute®

COMMITTEE CORRESPONDENCE

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December 10, 2012

TO Members of ACI 228

FROM Bernard Hertlein, Secretary
 Andrew Boyd, Chairman, ACI Committee 228

SUBJECT Minutes of ACI 228 Meeting, Fall 2012, Toronto, ON, Canada

Please find attached the minutes of the ACI 228 meeting held at the Sheraton Centre in Toronto, ON on October 22, 2012.

Copy: Jan Olek, TAC Contact
 Jessie L Bournay, Supervisor, Technical Documents, ACI

MINUTES

ACI Committee 228 - Nondestructive Testing of Concrete

Sheraton Centre, Toronto, ON – Room: Grand East
Sunday, October 22nd, 2012, 9:30 am – 12.30 pm

1. Call to Order

The meeting was called to order by Chairman A. Boyd at 9:34 AM.

2. Self-Introduction of Participants

According to the entries recorded on the sign in sheets, a total of 50 people attend the meeting.

The following attendees completed the sign in sheets:

Voting Members

Jacob Bice	Boris Dragunsky	Keith Kesner
Andrew Boyd	Mike Forde	H.S. Lew
Michael Brown	Eric Giannini	Stephen Pessiki
Bill Ciggelakis	Dirk Heidbrink	Paul Siwek
Aldo De La Haza	Bernie Hertlein	
Ethan Dodge	Robert Jenkins	

Consulting/Associate Members

Cesar Constantino	Ming Liu	Randy Poston
Kerry Hall	Roberto Nunez	Thomas Schumacher
Liyang Jiang	Masayasu Ohtsu	David Scott

Visitors

Todd Allen	Dan Hughie	Bohwan Oh
Mohammad Aqel	Ahmet Kirlangic	Adrienne Osborne
Juan Carlos Araiza	Andrew Komar	Suru Shah
Paulina Arczenska	Dominic Langelier	Syed Shah
Alison Dowling	Didier Lootens	Omar Shaikhon
Chand Li	Aifei Lu	Rob Shogren
Julie Hartell	Angelica Mason	Suneel Vanikar
Shelley Heaney	Mike Morrison	
Mark Hughes	Hossein Reshadi Nejad	

Please note that the indicated membership status was taken from the current ACI committee roster.

3. Apologies for Absence

Muhammed Basheer, Nestor Chonillo, Chris Ferraro, Malcolm Lim, John Popovics, Nate Rende, Patrick Sullivan, Michael Taylor, Woody Vogt

4. Approval of Agenda:

The meeting agenda was approved with no modifications.

5. Membership Report

A. Boyd introduced himself as new committee Chairman and announced that B. Hertlein would be continuing in the role of Secretary. Chairman A. Boyd extended the committee's thanks to Mike Forde for serving two terms as committee Chairman, and for his continued shepherding of the 228.2R review.

Current membership status: Voting - 29, Consulting - 8, Associate - 65

Chairman A. Boyd e-mailed a questionnaire to all voting members on Oct. 14, 2012 to determine whether they wished to retain their voting interest or step down. The Deadline for responses was set as Nov. 15th, 2012.

6. Review & Approval of Previous Meeting Minutes

The minutes from the March 18th, 2012 meeting in Dallas, TX, USA were approved with no modifications.

7. Current ACI 228 Goals:

Chairman A. Boyd presented the revised goals for the committee as:

- A. Revise ACI 228.1R; "In-Place Methods to Estimate Concrete Strength"
- B. Revise ACI 201.2R; "Guide for Conducting a Visual Inspection of Concrete in Service" as ACI 228.3R.
- C. Establish certification program for NDT Technicians (ACI 601-F)
- D. Administer ACI James Instruments Award:

8. Subcommittee & Task Group Meetings

The schedule of relevant subcommittee and task group meetings will be included in all future agendas to help promote attendance.

9. Reports:

- A. Status of 228.1R document revision (Boyd/Kesner):

The existing version was reapproved by ballot (27 Affirmative, 2 Not Returned) and will thus remain in the MCP while we update it. K. Kesner reported on beginning of 228.1R review. If anyone is interested in volunteering to aid in revision of any particular section, please contact Chairman A. Boyd or K. Kesner.

- B. Status of 228.2R document revision (Forde)
Document is listed as in 'Production Prep' on website. M. Forde reported that the staff technical editor had added a number of revisions, such as requesting dual units when they are not helpful to understanding the document. All outstanding issues are expected to be resolved by the end of the year, with publication of the new document in 2013.
- C. Status of 228.3R document (Boyd) - 201.1R
An official request has been submitted to TAC regarding the transfer of document 201.1R from Committee 201 to Committee 2228, to be revised/expanded and renumbered 228.3R in future versions. TAC placed the item on their agenda for the Toronto Convention and should respond shortly afterward.
- D. Creating subcommittee 228-B: Visual Inspection. Chairman A. Boyd informed the committee that E. Giannini has been appointed chairman of a new subcommittee to lead the review of 228.3R once TAC gives official approval to the transfer.
- E. ACI 228-A: Certification program for NDT Technicians (Lim)
T. Allen reported that a financial impact statement would be discussed in the 228-A/601-F subcommittee meeting on Monday. Mike Morrison of ACI reported that anyone interested in participating should join 601-F since future certification program development will now take place under Committee 601-F.
- F. C&BM Special Issue - ACI 228 25th Anniversary (Boyd)
Chairman A. Boyd reported that the Special Issue is now complete and should hopefully be published by the end of 2012.
- G. James Instruments Award (Heidbrink)
D. Heidbrink announced that James Instruments has increased the James Award from \$1200 to \$1800, which should encourage more participation. D. Heidbrink recommended visiting the website for more details on the award and past winners.

10. Liaison Reports:

ACI 201	Durability of Concrete - <i>Nothing new to report.</i>	Andrew Boyd
ACI 207	Mass Concrete - <i>207.3R now in publication - heavily references 228.1R/228.2R & 201.1R</i>	Chris Ferraro
ACI 214	Evaluation of Results of Tests Used to Determine the Strength of Concrete - <i>Not present, no report.</i>	Kal Hindo
ACI 222	Corrosion of Metals in Concrete - <i>Nothing new to report.</i>	Randy Poston
ACI 224	Cracking - <i>Finalizing revision of main committee report which needs to be considered when discussing 228.3R.</i>	Randy Poston
ACI 231	Properties of Concrete at Early Ages - <i>Not present, no report.</i>	Thomas Voigt
ACI 236	Material Science of Concrete - <i>Not present, no report. Missed last two meetings and wishes to be replaced as liaison. A. Boyd reported that subcommittee 236-B on Transport Mechanisms has been dissolved.</i>	Muhammed Basheer
ACI 301	Specifications for Concrete - <i>Nothing new to report.</i>	Nick Carino
ACI 311	Inspection of Concrete - <i>Nothing new to report.</i>	Robert Jenkins
ACI 336	Footings, Mats and Drilled Piers - <i>B. Hertlein reported that 336 was in the final stages of editorial review of 336.3R.</i>	Bernie Hertlein
ACI 342	Evaluation of Concrete Bridges and Bridge Elements - <i>Nothing new to report.</i>	Jacob Bice
ACI 362	Parking Structures - <i>New guide published last month, refers to 228 docs for testing.</i>	Boris Dragunsky

ACI 364	Rehabilitation - <i>L. Jain reported 364 is updating 364.1R.</i>	Keith Kesner
ACI 365	Service Life Prediction - <i>Not attending, no report. Missed last two meetings and wishes to be replaced as liaison.</i>	Muhammed Basheer
ACI 437	Strength Evaluation of Existing Concrete Structures - <i>D. Heidbrink reported that the committee is currently reviewing public comments on the 437 Load Test document.</i>	Keith Kesner
ACI 440	Fiber-Reinforced Polymer Reinforcement - <i>Not present, no report.</i>	Michael Brown
ACI 444	Experimental Analysis for Concrete Structures - <i>Publishing SP on SHM Technologies, sponsoring a session on acoustic emission this conference and one on performance monitoring during construction for Minneapolis.</i>	John Popovics
ACI 543	Concrete Piles - <i>Document to be published shortly, wants to be replaced as liaison due to conflicts.</i>	William Ciggelakis
ACI 546	Repair of Concrete - <i>Not present, no report.</i>	Ken Lozen
ACI 562	Evaluation, Repair, and Rehabilitation of Concrete Buildings - <i>R. Poston reported that the 562 document will be published shortly.</i>	Kith Kesner
ACI E706	Concrete Repair Education - <i>Not present, no report.</i>	Ken Lozen
ICRI 210	Evaluation - <i>Not present, no report.</i>	Ken Lozen
TRB AFF40(1)	Nondestructive Evaluation of Structures - <i>Workshop on "Nondestructive Testing Automation: Combined Methods and Data Fusion", Sunday, January 13, 2013.</i>	Larry Olson
RILEM ISC	Nondestructive In Situ Strength Assessment of Concrete - <i>Nothing new to report.</i>	John Popovics

The following suggestions were received for additional committees to add:

ICRI150	ICRI Notes on ACI 562 Code Requirements	Liyang Jiang
RILEM OSM	On-Site Measurement of Concrete and Masonry Structures by Visualized NDT (TC-239)	Masayasu Ohtsu

11. ACI Sessions:

- A. "Applications of Acoustic Emission for Reinforced Concrete" - Fall 2012, Toronto, ON
Committee 437 - 2 Sessions
Part 1: Tuesday 8:30 AM - 10:30 AM, Dominion South (6 Presentations)
Part 2: Tuesday 11:00 AM - 1:00 PM, Dominion South (6 Presentations)
- B. "Advances in Condition Assessment of Concrete Bridges" /w 342 - Fall 2013, Phoenix, AZ
(Olson) **Preliminary session request due October 26, 2012.**
- C. Proposals for New Sessions – N. Carino noted that the SHRP-2 review of NDT methods was drawing to a close, and a session on the findings should be considered. M. Forde reported that Monica Starnes was leading the SHRP effort for FHWA, and would be reporting at TRB in January.
- D. Deadlines:
Spring 2014 (Reno, NV): Preliminary session request due April 19, 2013.

12. Recent & Upcoming Meetings/Conferences:

Links lead to conference websites.

- A. [Structural Faults & Repair](#), Edinburgh, UK, July 3-5, 2012 - M. Forde reported that 160 delegates attended, with more than 120 presentations. Has now begun preparations for the 2014 edition.

- B. [ASTM Committee Week](#), Atlanta, GA, December 2-5, 2012
- C. [TRB 92nd Annual Meeting](#), Washington, DC, January 13-17, 2013
- D. The 6th Kumamoto International Workshop on Fracture, Acoustic Emission and NDE in Concrete – KIFA-6: Prof. Ohtsu advised the committee that papers are being accepted until April 15, 2013. They do not yet have a website but Prof. Ohtsu (ohtsu@gpo.kumamoto-u.ac.jp) can be contacted directly for more information.

13. New Business

New hot topic – POD (probability of detection) should be included in next revision of 228.2R.

14. Next Meeting

Sunday, April 14, 2013 (Minneapolis. MN)

15. Adjournment

Meeting adjourned at 10:27 AM.