



American Concrete Institute

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ACI 228 Meeting Agenda

Nondestructive Testing of Concrete

C-233, Cincinnati, OH

10/20/2019 9:30 AM-12:30 PM

Mission: Develop and report information on nondestructive techniques for the evaluation of concrete.

COMMITTEE BUSINESS:

1. Administrative

1.1. Welcome, introductions, and apologies for absence

1.2. Approval of agenda

1.3. Report on committee membership

30 voting members, 66 associate members, 12 consulting members.

1.4. Review of proposed new standing committee goals: 1) Revise ACI 228.2R; "Nondestructive Test Methods for Evaluation of Concrete in Structures;" **2)** Create ACI 228.3R; "Guide for Conducting a Visual Inspection of Concrete in Service;" **3)** Assist in development of certification program for NDT Technicians (ACI 601-F); **4)** Administer ACI James Instruments Award

1.5. Review of Committee's mission

See current mission statement wording above. Should in-place testing, which is not necessarily nondestructive, be included in the wording?

1.6. Approval of previous meeting's minutes

The previous meeting's minutes were approved by web ballot. Corrected, final minutes from the Quebec meeting are posted on the committee website.

2. Old Business

2.1. Update on session planned for this convention: "Overview of revised 228.1R report" (Eric Giannini)

2.2. Update on NDT Technician certification task group efforts (Malcolm Lim and Michael Morrison)

2.3. Update on visual inspection task group efforts. (Liyang Jiang)

2.4. Review of document 228.3R ballot

Always advancing

2.5. Update on James-NDT award (Dirk Heidbrink)**2.6. Update on development of Committee “Tech Notes”**

“What should an owner/client know about nondestructive testing (NDT)?” (Keith Kesner)

“Issues associated with GPR (defects and damage)” (Malcolm Lim and Todd Allen)

“Calibration, Verification, and Validation in NDE Practice,” (Joshua White)

3. New Business**3.1. Discussion of revision of 228.2R document****3.2. Discussion of future technical session topics**

Topics suggested previously were data fusion, NDT for corrosion, and NDT for transport properties.

3.3. Discussion of possible education efforts such as committee webinars and participation in “ACI University”

ACI will record both our 228.1 sessions in Cincinnati. If quality is sufficiently good, it may be used in ACI University. Sample questions would need to be developed; our committee can assist with that.

3.4. Discussion of new 562 Repair code (Keith Kesner)**3.5. Consideration of CRC proposal endorsements**

ACI has instituted a new policy in that CRC proposal submitters must seek formal support (through ballot) of their work from a committee. The following proposers have requested we evaluate their proposal to determine support.

“Concrete strength evaluation using nonlinear ultrasonic wave”, Jinying Zhu, Univ. of Nebraska

“Identification of Unknown/Uncertain Reinforced Concrete Features using Image-based Tomography”, Devin Harris, Univ. of Virginia

“Nondestructive molecular diagnosis of alkali-silica reaction”, Julia Maresca, Univ. of Delaware

“Diagnostic Imaging of Structural Concrete,” Thomas Schumacher

3.6. Short nugget presentations:

“Accuracy of GPR for Shallow Targets,” Joshua White;

“Enhanced radiographic inspection using photon attenuating inclusions,” Stephen Pessiki;

- 3.7. ACI-James Award presentation:** “Ground Penetrating Radar data processing for concrete bridge deck evaluation,” Sepehr Pashoutani, University of Nebraska-Lincoln

4. Adjournment

The next meeting will be held at the ACI Spring Convention in Rosemont, IL.