



**ACI COMMITTEE 341 MEETING - EARTHQUAKE-RESISTANT CONCRETE BRIDGES**

**Sunday, October 20, 2019**

Duke Energy Convention Center & Hyatt Regency, Cincinnati, OH

**MAIN COMMITTEE**

341	Main Committee	Sunday	2:00 PM - 5:00 PM	C-211
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**SUBCOMMITTEES**

341-A	Columns	Sunday	10:00 AM - 11:30 AM	C-211
341-C	Retrofit	Sunday	12:30 PM - 2:00 PM	C-211

**OTHER BRIDGE COMMITTEES**

342	Bridge Evaluation	Sunday	8:30 AM - 10:30 AM	C-230
343	Bridge Design	Monday	10:00 AM - 12:00 PM	C-211
345	Construction	Sunday	1:30 PM - 3:30 PM	C-261

**MEETING AGENDA**

- 1) Call to order and introduction
- 2) Approval of the meeting agenda
- 3) Review and approval of the Quebec City meeting minutes
- 4) Membership updates, Committee and subcommittee updates
- 5) Technical Sessions

**Fall 2019 – A River of Knowledge**

October 20-24, Duke Energy Convention Center & Hyatt Regency Cincinnati, Cincinnati, OH

- Fragility Assessment of Earthquake-Resistant Reinforced Concrete Bridges (Moustafa), Tue October 22, 2019, 11:00 AM - 1:00 PM, C-Junior Ballroom D
- Mini-session submitted by Shahria to support new direction of the retrofit C/D subcommittees (didn't happen?)

**Spring 2020 – Concrete in the Windy City**

March 29-April 2, Hyatt Regency O'Hare, Rosemont, IL

- Preliminary session request: March 29, 2019
- Final session request: October 25, 2019
- Proposed sessions
  - Joint session with MAE on Midwest seismic interests (Gencturk, Gardoni, need to submit final session request still). Dedicate to memory of Mark Aschheim?
  - SSI session that includes not only modeling but also SSI for design and retrofit (Pantazopoulou, need to submit final session request still). Dedicate to memory of Mark Aschheim?

### **Fall 2020 – Theme TBD**

October 25-29, Raleigh Convention Center & Raleigh Marriott, Raleigh, NC

- Preliminary session request: October 25, 2019
- Final session request: April 3, 2020
- Proposed sessions
  - New and novel bridge systems (not just columns) for seismic regions, should investigate prestress applications, post-tensioning and pier enlargement
  - ABC more broadly (not just columns) mini-session (Tazarv)?
  - Sessions to support the Retrofit and PBD subcommittees? Performance-based seismic design example studies could be presented but solicit engagement from broader audience? We should do it (session to support retrofit) every year (Alam)

### **Spring 2021 – Theme TBD**

March 28-April 1, Hilton & Marriott Baltimore, Baltimore, MD

- Preliminary session request: April 3, 2020
- Final session request: October 30, 2020
- Proposed sessions
  - Showcase of new global seismic bridge projects recently constructed
  - High speed rail and light rail (Nadim, Shukre)
  - New ideas?

### **Fall 2021 – Theme TBD**

October 17-21, Hilton Atlanta Downtown, Atlanta, GA

- Preliminary session request: October 30, 2020
- Final session request: April 2, 2021
- Proposed sessions
  - New ideas?

### **Non-ACI Technical Sessions**

- 17<sup>th</sup> WCEE joint with EAEE WG 11 “Response modification techniques for concrete bridges” (Mackie, Kappos)
- Joint with ASCE Seismic Effects (2020 Structures Congress is in St Louis)?
- CCEE or CSCE?
- Other conferences?

### **6) Sub-Committee Reports**

- a) Performance Based Seismic Design of Bridge Columns (ElGawady, Gencturk)
- b) Wall Piers (Burgueño, Beyer)
- c) Retrofit and Repair (Alam, Despradel)
- d) Performance Based Seismic Design of Bridges (Moustafa)
- e) Bearings and Expansion Joints (Watson)
- f) Others

### **7) Report from other ACI committees**

- a) ACI 342 Evaluation of Concrete Bridges and Bridge Elements

- b) ACI 343 Concrete Bridge Design (Joint ACI-ASCE)
- c) ACI 345 Concrete Bridge Construction, Maintenance, and Repair
- d) ACI Committees 352 (Joints and Connections in Monolithic Concrete Structures, Joint ACI-ASCE), 374 (Performance-Based Seismic Design of Concrete Buildings), and 441 (Reinforced Concrete Columns, Joint ACI-ASCE)
- 8) Future Meetings
- 9) Update from TAC – Andrew Taylor
- 10) Other Business