



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

**Sunday, October 14, 2018**

Rio All-Suites Hotel & Casino Hotel, Las Vegas, NV

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### **MAIN COMMITTEE**

341	Main Committee	Sunday	3:00 PM - 5:00 PM	Amazon C
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### **SUBCOMMITTEES**

341-A	Columns	Sunday	9:00 AM - 11:00 AM	Amazon C
341-C	Retrofit	Sunday	11:00 AM - 1:00 PM	Amazon C
341-D	PBSD	Sunday	1:00 PM - 3:00 PM	Amazon C

### **OTHER BRIDGE COMMITTEES**

342	Bridge Evaluation	Sunday	8:30 AM - 10:30 AM	Coco A-B
343	Bridge Design	Monday	10:00 AM - 12:00 PM	Amazon M
345	Construction	Sunday	1:30 PM - 3:30 PM	Miranda 1

### **MEETING AGENDA**

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

### **Fall 2018 – Dream Big, Build Bigger**

October 14-18, Rio All-Suites Hotel & Casino, Las Vegas, NV

- Seismic Behavior of Reinforced Concrete Columns Constructed Using High-Strength and Ultra-High-Performance Materials, Part 1 of 2 (ElGawady): Sun, October 14, 2018 8:00 AM - 10:00 AM, Amazon Q-R
- MINI SESSION: Seismic Behavior of Reinforced Concrete Columns Constructed Using High-Strength and Ultra-High-Performance Materials, Part 2 of 2 (ElGawady): Mon, October 15, 2018 11:30 AM - 12:30 PM, Tropical C
- Proposed sessions
  - Accelerated Bridge Construction (ABC)-Component and System Behavior (Tazarv)

### **Spring 2019 – Nordique Concrete**

March 24-28, Quebec City Convention Centre and Hilton Quebec, Quebec City, Quebec, Canada

- Preliminary session request: March 30, 2018
- Final session request: October 19, 2018
- Approved sessions
  - Effects of Extreme Events on Reinforced Concrete Columns Parts 1 and 2 (Alam)

- Fragility Assessment of Earthquake-Resistant Reinforced Concrete Bridges (Moustafa)
- Proposed sessions
  - Follow up on ABC session above, maybe as a mini-session?
  - UHPC with 239 (Mohamed), mini-session perhaps during 441 meeting?

### **Fall 2019 – Theme TBD**

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

- Preliminary session request: October 19, 2018
- Final session request: March 29, 2019
- Proposed sessions
  - Sessions to support the Retrofit and PBD subcommittees. Performance-based seismic design example studies could be presented but solicit engagement from broader audience
  - SSI session
  - High speed rail and light rail (Nadim, Shukre)
  - Revisit an isolation session (Watson). Maybe include joints and bearings

### **Spring 2020 – Theme TBD**

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

- Preliminary session request: March 29, 2019
- Final session request: October 25, 2019
- Proposed sessions
  - Showcase of new global seismic bridge projects recently constructed
  - Sessions to support the Retrofit and PBD subcommittees?
  - Joint proposal for midwestern seismic risk with MAE or NIST resilience centers (Gencturk)
  - New and novel bridge systems (not just columns) for seismic regions
  - New ideas?

### **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
  - Sessions to support the Retrofit and PBD subcommittees?
  - New ideas?

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

- Did anything get submitted with ASCE Seismic Effects (or others) for 2019 ASCE Congress in Orlando?
- Put proposal together with EAEE for 17WCEE
- Others?

### 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