



## Meeting Agenda

### ACI 318-I International Workshop

#### Hyatt Regency / H-Wolverine B

Sunday, October 20, 2019 / 3:30 – 5:00 pm

#### Committee Members

Jack P. Moehle, Chair  
Luis E. Garcia  
Lawrence C. Novak  
Luke M. Snell  
James K. Wight

James R. Cagley  
Jose M. Izquierdo-Encarnacion  
Guillermo Santana  
Andrew W. Taylor  
Gregory M. Zeisler

#### Invited Guests

John C. Glumb, ACI Staff

Alexandria R. Prokic, ACI Staff

#### Guests

N/A

### 1. Administrative [5 min]

- 1.1. Call to Order
- 1.2. Welcome & Introductions
- 1.3. Approval of Agenda
- 1.4. Approval of Minutes

[\[Exhibit A\]](#)

The minutes of the spring 2019 meeting are attached as Exhibit A.

### 2. Review of International Workshop [45 min]

[\[Exhibit B\]](#)

The committee will recap and discuss the workshop in terms of the following:

- Attendance numbers
- Presentation Topics & Speakers
- Young Practicing Engineers (YPE)
- Poster Session
- Workshop Program
- Openness of the Workshop
- Timeline & Promotion
- Logistical Items
- Other items as deemed appropriate by the committee

**3. Next International Workshop [30 min]**

The committee will discuss plans for the next workshop.

**4. New Business [5 min]**

**5. Incoming/Outgoing Committee Chair**

Chair Moehle to introduce and welcome the new Chair.

**6. Adjournment**

The next meeting will be on March 29, 2020 in Rosemont/Chicago, IL.

**Exhibits**

**Exhibit A**      **Minutes from the March 24, 2019 meeting**

**Exhibit B**      **Workshop Program**



## Meeting Agenda

### ACI 318-W International Workshop Planning Committee

Hilton Quebec / **H-Duchesnay**

Sunday, March 24, 2019 / 3:30 – 5:00 pm

#### Committee Members

- |                                |                    |
|--------------------------------|--------------------|
| *Jack P. Moehle, Chair         | *Lawrence C. Novak |
| *James R. Cagley               | Guillermo Santana  |
| *Luis E. Garcia                | *Luke M. Snell     |
| *Jose M. Izquierdo-Encarnacion | *James K. Wight    |
| *Gregory M. Zeisler, ACI Staff |                    |

#### Invited Guests

- |                              |                          |
|------------------------------|--------------------------|
| *John C. Glumb, ACI Staff    | *Vicki Rogers, ACI Staff |
| *Kevin Mlutkowski, ACI Staff |                          |

#### Guests

N/A

*M.* \*Indicates meeting attendance.

#### 1. Administrative [5 min]

##### 1.1. Call to Order

*M.* Meeting was called to order at 3:34 pm.

##### 1.2. Welcome & Introductions

*M.* Chair Moehle welcomed committee members and guests to the meeting, with special note of congratulations to Alex on the birth of her second son.

##### 1.3. Approval of Agenda

*M.* The meeting agenda was unanimously approved.

##### 1.4 Approval of Minutes

**[Exhibit A]**

The minutes of the fall 2018 meeting are attached as Exhibit A.

*M.* The meeting minutes from The Concrete Convention and Exposition in Las Vegas, NV were brought to the committee for approval.

#### Motion

- The committee unanimously approved the minutes from The Concrete Convention and Exposition in Las Vegas, NV.

## 2. Overview of Developments Since Fall 2018 Meeting [10 min]

*M.* The committee discussed the developments since the Fall 2018 meeting.

➤ Moderators

- Jack Moehle will welcome everyone and introduce the program
- Session 1: Jim Wight; Session 2: Luke Snell; Session 3: Larry Nowak; Session 4: Jim Cagley
- Moderators will be responsible for giving a brief session overview and introducing the next session moderator
- The committee discussed having the Executive Committee (possibly David Lange) introduce Khaled Awad for lunch presentation – Jim Wight will confirm with David.

➤ Final Program

- Luncheon Speaker will be Khaled Awad
- Lunch will include a 3-course meal and a hot entrée

## 3. 11<sup>th</sup> International Workshop [70 min]

[Exhibit B]

### 3.1. Review Program

*M.* The committee discussed possible changes/additions to the program.

➤ Sessions 1-3

- Topics to remain as determined at previous meeting

➤ Session 4

- Committee 133 reports on recent bridge collapses
- Wellington, New Zealand disaster with speaker Ken Elwood
- Alaska disaster with speaker Wael Hassan
- Genoa Bridge collapse with speaker Mario Chiorino
- 30-minute presentation with Committee 133 (in conjunction with one of the above presentations)
- The committee decided to add a special topic of Natural Disasters Related to Reinforced Concrete. This would be based on the Kaikoura Earthquake in New Zealand and the preferred speaker would be Ken Elwood, provided he is able to attend.

➤ Program Booklet

- The electronic program will include the name, company name, title, and photo for each speaker
- Jim Wight will send the initial request to the speaker (copying the moderators) for this information
- Moderators will be responsible for following up with speakers for abstract, four learning objectives, and speaker photo
- The electronic program book should be emailed to all registrants ahead of the workshop
- ACI Staff need to confirm deadlines for the printing of the program book and provide this information to Jim Wight and the moderators

➤ Next Steps

- Jim Wight to confirm the addition of the Natural Disasters Related to Reinforced Concrete topic
- Jim Wight to confirm topic for session 4

- ACI Staff to confirm deadline for information to be included in the program book

### 3.2. Goals and Format

The committee will discuss plans for the next workshop. Discussion to include final program development and young practicing engineers.

*M.* Young Practicing Engineers, Poster Session, and Reception were discussed.

➤ Young Practicing Engineers

- The committee discussed having each of the YPE's give a two-minute presentation/overview on their topic during the Reception. Jack Moehle agreed to coordinate this.
- The committee suggested providing a copy of 318-19 to all YPE's. Greg Zeisler would confirm if ACI can provide the 318-19 copies. Jack Moehle would sign the publication. ACI Staff to add an item to the timeline to follow up on details of the 318-19 giveaway.
- The committee suggested that a certificate and a letter signed by the President should be presented to all YPE's
- The invitation for YPE's has been created. Larry Nowak and Jack Moehle will solicit YPE's.

➤ Reception

- ACI will provide prizes to be included in a raffle during the Reception.

➤ Poster Session

- Pepe volunteered to review proposals via email
- The committee would like to request additional funding to allow an invitation for 8-10 YPE's. It is believed that this would be an outstanding opportunity in support of the Outreach Agenda, for ACI to promote International Outreach.
- If there are 6 participates, presentations could be up to three minutes each. If 10 participants, presentations would need to be limited to 2 minutes each.

➤ Next Steps

- Greg Zeisler to confirm if ACI can provide the 318-19 copies as a prize
- ACI Staff to add an item to the timeline to follow up on details of the 318-19 giveaway
- The invitation for YPE's should be sent out according to the timeline
- ACI Staff will collect prizes for the raffle
- ACI Staff to request additional funding for YPE's

### 3.3. Timeline/Promotional Plan

[Exhibit C]

*M.* The committee reviewed the timeline for the Workshop.

- All items on the timeline are up to date as of the 2019 Spring Convention
- Bryce Barker, Event Planner, will be the point of contact for all promotional needs.

### 3.4. Discussion on Continuing Education Units

*M.* The committee discussed offering CEU's for attendees.

- To offer CEU's, each speaker will be required to provide:
  - A presentation abstract and four learning objectives

- Moderators should begin to collect this information from their speakers by June 5. ACI will need to received abstracts and learning objectives by July 1. The information should be sent to Bryce Barker, who will work with Katie Amelio for final review and approval from AIA.

**4. New Business [5 min]**

**5. Adjournment**

The next meeting will be on October 20, 2019 in Cincinnati, OH.

*M.* Chair Moehle thanked the committee for their time and adjourned the meeting at 5:00 pm.

**Exhibits**

**Exhibit A**      **Fall 2018 Convention Meeting Minutes**

**Exhibit B**      **Draft Program**

**Exhibit C**      **11<sup>th</sup> International Workshop Timeline**



American Concrete Institute  
*Always advancing*

## INTERNATIONAL WORKSHOP ON STRUCTURAL CONCRETE

### SCHEDULE OF EVENTS

- 7:00 am – 8:00 am**      **WORKSHOP REGISTRATION**  
Workshop attendees to pick up registration materials in the Exhibit Hall at ACI Registration
- 8:00 am – 8:15 am**      **WELCOME REMARKS**  
Moderated by Jack Moehle, Professor, University of California at Berkeley, former Chair of ACI 318
- 8:15 am – 9:45 am**      **SESSION 1: CHANGES IN ACI 318-19, PART 1 OF 2**  
Moderated by James K. Wight, ACI Past President, Professor, University of Michigan
- Presentation 1: New Shear Strength Equations and Modifications for Strut-and-Tie Method*  
David Sanders, Professor and Department Chair, Iowa State University
- Presentation 2: New Development Length Requirements for Hooked and Headed Bars*  
David Darwin, ACI Past President, Distinguished Professor and Department Chair, University of Kansas
- Presentation 3: Building Code Changes for Use of High-Strength Reinforcement*  
Dominic Kelly, Senior Principal, Simpson Gumpertz & Heger, Inc.
- 9:45 am – 10:15 am**      **COFFEE BREAK**
- 10:15 am – 12:00 pm**      **SESSION 2: CONCRETE CONSTRUCTION IN THE MIDDLE EAST**  
Moderated by Luke Snell, Concrete Consultant
- Presentation 1: Design, Qualification, Production, and Pumping of High-Strength, High-Performance Mass Concrete for Pile Cap of Dubai Creek Tower*  
Fouad Yazbeck, Technical and Commercial Director, Universal Concrete Products – Unimix
- Presentation 2: Codes and Standards Used in the Middle East*  
Mohamad Nagi, Director, Infrastructure Sustainability and Assessment Center, American University of Dubai; and Ahmed Shuraim, Chairman, Structural Committee, Saudi Arabia and Gulf Region Building Codes
- Presentation 3: Special Construction Considerations in the Middle East*  
Charbel Aoun, Head of Consultancy Division, Advanced Construction Technology Services (ACTS)
- 12:00 pm – 1:30 pm**      **INTERNATIONAL WORKSHOP LUNCH**  
Introduction by David Lange, ACI Past President, Professor, University of Illinois
- Presentation: Infrastructure Projects in Qatar Related to 2022 World Cup*  
Khaled Awad, ACI Past President, Chairman, Advanced Construction Technology (ACTS)
- 1:30 pm – 3:00 pm**      **SESSION 3: DESIGN OF SUPER-TALL REINFORCED CONCRETE STRUCTURES**  
Moderated by Larry Novak, Chief Structural Engineer, International Code Council
- Presentation 1: Concrete Pushes Mexico to New Heights*  
Roberto Stark, President, Stark & Ortiz, S.C.
- Presentation 2: Recent Supertall Concrete Towers in the Middle East*

Robert Sinn, Principal, Thornton Tomasetti; and John Peronto, Senior Principal, Thornton Tomasetti

***Presentation 3: Design Using High-Performance Concrete and Construction Method for Lotte World Tower in Seoul***

Edward Roberts, Senior Associate, LERA Consulting Structural Engineers

**3:00 pm – 3:30 pm REFRESHMENT BREAK AND GROUP PHOTOS**

**3:30 pm – 5:00 pm SESSION 4: CHANGES IN ACI 318-19, PART 2 OF 2**

Moderated by Jim Cagley, ACI Past President, Principal, Cagley & Associates, Inc.

***Presentation 1: Design Verification Using Nonlinear Response History Analysis***

Luis Garcia, ACI Past President, Professor (retired), Universidad de los Andes

***Presentation 2: New Seismic Provisions in Building Code***

John Wallace, Professor, University of California at Los Angeles

***Presentation 3: Damage to Concrete Buildings with Precast Floors During the 2016 Kaikoura Earthquake***

Ken Elwood, Professor, University of Auckland

**5:00 pm – 5:15 pm CLOSING REMARKS**

Moderated by Jack Moehle, Professor, University of California at Berkeley, former Chair of ACI 318; and James K. Wight, ACI Past President, Professor, University of Michigan

**6:00 pm – 7:00 pm INTERNATIONAL WORKSHOP RECEPTION & YOUNG PRACTICING ENGINEER POSTER SESSION**

Hosted by Jack Moehle, Professor, University of California at Berkeley, former Chair of ACI 318

***Poster 1: Ayia Napa Marina, Cyprus***

Indira Oraziman, Project Engineer, Thornton Tomasetti

***Poster 2: Cracking Analysis of Elevated Railway RC Piers Due to Train-Induced Vibrations at an Early Age***

Santiago Bertero, Structural Engineer, LABDIN

***Poster 3: Grand Hyatt SFO Hotel***

Kion Nemati, Structural Engineer, Arup

***Poster 4: Design of a Post Tensioned Flat-Slab Bridge***

Umut AKIN, Structural Design Engineer, SU-YAPI Engineering & Consulting Inc.

***Poster 5: Reduce, Reuse, Recycle – Concrete***

Ashley Gaur, Design Engineer, Englekirk

***Poster 6: IQON Tower: Modeling and PBSO of Tall Building with Friction Dampers in Quito***

Jorge Bustos Silva, Structural Engineer, Rene Lagos Engineers

***Poster 7: Inspection, Strengthening and Load Testing of a 63-Year-Old Reinforced Concrete Bridge***

Matheus Moyses Pain, Senior Civil Engineer, EGT Engenharia

***Poster 8: Performance-based Design Yields System Efficiency***

Jaskanwal Chhabra, Structural Engineer, Skidmore, Owings & Merrill LLP

For further information about the International Workshop on Structural Concrete please see the Convention App, The Concrete Convention and Exposition Program Book or visit the Sessions & Events page online at:

<https://www.concrete.org/events/conventions/currentconvention/sessionsandevents.aspx>.