

# Welcome to Monthly Webinar on Accelerated Bridge Construction

## Use of Longitudinal Full-Depth Precast Deck Panels on Boston's Commonwealth Avenue Bridge

Sponsored by

*Accelerated Bridge Construction University Transportation Center  
(ABC-UTC) at*

Florida International University



Website: [abc-utc.fiu.edu](http://abc-utc.fiu.edu)

Email: [abc@fiu.edu](mailto:abc@fiu.edu)

February 21, 2019 – 1:00 p.m. to 2:00 p.m. Eastern



# Today's Monthly Webinar



**ABC Announcements**

(10 minutes)

**Featured Presentation**

(35 minutes)

## **Use of Longitudinal Full-Depth Precast Deck Panels on Boston's Commonwealth Avenue Bridge**

**Alexander K. Bardow, P.E.**, State Bridge Engineer, Massachusetts DOT; **Sterling Morrone, P.E.**, Project Engineer, CME Associates, Inc.; and **Michael P. Culmo, P.E.**, Chief Technical Officer, CME Associates, Inc.

**Question and Answer**

(15 minutes)

**Please post your questions in the question box**

# 2019

## INTERNATIONAL ACCELERATED BRIDGE CONSTRUCTION CONFERENCE:

Including Automation, Service Life and Ultra High  
Performance Concrete (UHPC)

December 11-13, 2019  
Miami, FL

[www.abc-utc.fiu.edu](http://www.abc-utc.fiu.edu)

**FIU** | Engineering  
& Computing  
Civil and Environmental Engineering



# Abstract Submission Deadline Extended to: **Monday, February 25**

<https://abc-utc.fiu.edu/conference/call-for-abstracts/>

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**CALL FOR ABSTRACTS**  
ABSTRACT DEADLINE EXTENDED TO FEBRUARY 25



# TRAVEL SCHOLARSHIPS

State DOT, county engineers, and other bridge owners interested in receiving travel scholarships can apply online at:

<https://abc-utc.fiu.edu/conference/travel-scholarships/>

Required information includes (1) name and affiliation, (2) job title, (3) reason attending the Conference, and (4) whether you are planning to use ABC in the near future

# Call for Award Nominations

<https://abc-utc.fiu.edu/conference/award-nominations/>

## Award Categories:

- Most Influential Person Contributing to the Development and Implementation of ABC Technologies and Projects
- Best ABC Project in the following categories:
  - Lateral Slide Technology
  - Self-Propelled Modular Transporters
  - Prefabricated Bridge Elements and Systems
  - Emergency

## Judges:

- Ahmad Abu-Hawash, Iowa DOT, Chair
- Romeo Garcia – FHWA
- Sam Fallaha – Florida DOT
- Bruce Johnson – Oregon DOT
- Bijan Khaleghi – Washington State DOT
- William Oliva – Wisconsin DOT

- Submit nomination online
- Submission deadline:  
September 15, 2019

# Exhibit at 2019 Conference Reserve Your Booth Today

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To reserve your exhibit booths:  
visit [www.ABC-UTC.fiu.edu](http://www.ABC-UTC.fiu.edu)

# **Keynote Speakers – General Session**

Secretary of Transportation Elaine L. Chao  
(Invited)

Congressman Mario Diaz-Balart (Invited)



# Keynote Speakers – General Session

European Experiences and Latest  
Development in Ultra High  
Performance Concrete (UHPC)



Eugen Brühwiler, Ph.D., Dr  
Structural Engineer, Swiss  
Federal Institute of Technology  
(EPFL), Lausanne, Switzerland

Design of Bridges for Service  
Life and Upcoming AASHTO  
Guide



Bruce Johnson, P.E., Oregon  
State Bridge Engineer and Vice  
Chair of AASHTO Committee  
on Bridges and Structures

# Keynote Speakers – General Session

AASHTO LRFD Guide  
Specifications for ABC



Michael P. Culmo, P.E., Chief  
Technical Officer, CME  
Associates, Inc.

Robotics and Automation:  
International Perspective



Atorod Azizinamini, Ph.D., P.E.  
Florida International University

# Call for Abstracts & Award Nominations

**2019 New York City Bridge Conference – NYC, NY**

August 26-27, 2019

Sponsored by the Bridge Engineering Association

<http://www.bridgeengineer.org>

## **Call for Paper Abstracts:**

Deadline for submission: February 21, 2019

Email your 300-word-max abstract to:

[info@bridgeengineer.org](mailto:info@bridgeengineer.org)

## **Call for Bridge Engineering Award Nominations:**

Deadline for submission: February 25, 2019

Email nomination letter & nominee's resume to:

Khaled Mahmoud, [kmahmoud@bridgeengineer.org](mailto:kmahmoud@bridgeengineer.org)

# Call for Presentation Abstracts

**2019 Western Bridge Engineers' Seminar – Boise, ID**

September 4-6, 2019

Sponsored by FHWA & the Transportation Departments of Alaska, Arizona, California, Idaho, Nevada, Oregon and Washington

<http://www.westernbridge.net>

Suggested topics include *Accelerated Bridge Construction*

## **Call for Presentation Abstracts:**

Deadline for submission: March 1, 2019

Submit your 500-word-max abstract online at:

<https://cm.wsu.edu/ehome/wbes/783817/>

For more information, email: [wbes@wsu.edu](mailto:wbes@wsu.edu)



## 2<sup>nd</sup> International Interactive Symposium on **Ultra-High Performance Concrete**

Web Search: ***UHPC 2019 Albany***

**DATE: June 2-5, 2019**

**LOCATION: Albany, New York**

**VENUE: Hilton Albany**

**Innovation Awards**

**Deadline:**

**MARCH 1, 2019**

**<https://register.extension.iastate.edu/uhpc2019>**

# Call for Posters

**2019 International Bridge Conference**

**– National Harbor, MD**

June 10-12, 2019

Sponsored by Engineers' Society of Western PA (ESWP)

<http://www.eswp.com/bridge/>

**Poster Abstract Submission Deadline: March 15, 2019**

(Maximum 250 words)

<https://eswp.com/bridge/ibc-call-for-posters/>

# Call for Abstracts

**IRF Global R2T Conference – Las Vegas, NV**  
November 19-22, 2019

Sponsored by International Road Federation (IRF)  
<https://www.irf.global/event/grc19-lasvegas/>

**Conference tracks include:**

**Accelerated Bridge Construction**

(Note: Paper not required)

**Abstract Submission Deadline:** March 15, 2019

<https://www.irf.global/event/grc19-lasvegas/#tab-1-2-call-for-abstracts>

# Call for Presentation Abstracts

**NCSEA 2019 Structural Engineering Summit –  
Anaheim, CA**

November 12-15, 2019

Sponsored by National Council of Structural Engineers  
Associations (NCSEA)

<http://www.ncsea.com/meetings/annualconference/>

The 2019 Summit Committee is seeking 45 to 90 minute presentations that deliver pertinent and useful information that is specific to the practicing structural engineer.

**Submission Deadline:** March 30, 2019

[http://www.ncsea.com/meetings/annualconference/  
abstracts/](http://www.ncsea.com/meetings/annualconference/abstracts/)



# Call for Award Nominations

## **2019 Design-Build Project / Team Awards**

Sponsored by the Design-Build Institute of America

<http://www.dbia.org>

- Completed and opened after March 31, 2016
- Completed under a single point of responsibility contract
- Completed on or ahead of schedule
- Completed within budget & with no claims or litigation
- Project met or exceeded owner expectations

**Submission Deadline:** May 22, 2019

<https://dbia.org/wp-content/uploads/2019/01/Awards-2019-Submissions-Guidelines.pdf>

# Call for Articles

**National Steel Bridge Alliance (NSBA)'s**  
***Modern Steel Construction Magazine***

The National Steel Bridge Alliance offers a quick and easy way to submit your ideas for articles to be considered for their *Modern Steel Construction Magazine*

To submit your ideas, visit:  
[www.aisc.org/bridgeideas](http://www.aisc.org/bridgeideas)

# Upcoming Events

## **2019 Grouting Certification Training – Austin, TX**

Monday, April 8, 2019

Sponsored by American Segmental Bridge Institute (ASBI)

<https://www.asbi-assoc.org/>

**Online registration:**

<https://www.asbi-assoc.org/content/grouting/grouting/registration.cfm>

**For more information:**

<https://www.asbi-assoc.org/index.cfm/grouting/training>

# Upcoming Events

<https://abc-utc.fiu.edu/>



ACCELERATED BRIDGE CONSTRUCTION  
UNIVERSITY TRANSPORTATION CENTER



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## SEARCH

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## UPCOMING EVENTS

February 21, 2019  
**Call for Paper Abstracts - Submission Deadline - 2019 New York City Bridge Conference - NYC, NY**

February 21, 2019

# **ABC-UTC**

## **Quarterly Research Seminar**

Friday, April 26, 2019 – 1:00-2:00 p.m. Eastern

### **Integral Abutment Details for ABC Projects, Phase II**

**Travis Hosteng, Principal Investigator**

**Austin Dejong, M.S. Student**

**ABC-UTC / Iowa State University**

**Mark Your Calendars!**

# ABC-UTC

## Semi-Annual Research Day

Tuesday, May 7, 2019 – 11:00 am-3:30 p.m. Eastern

### 2019 Research Day 1



**Mark Your Calendars!**



# Next Monthly Webinar

Thursday, March 28, 2019 – 1:00-2:00 p.m. Eastern

**Featured Presentation**

## Foundation Reuse for Highway Bridges

by

**Frank Jalinoos**, Research Engineer, Office of Infrastructure R&D, Federal Highway Administration (FHWA); and **Anil Agrawal, P.E.**, Professor, The City College of New York (CCNY)

**Please mark your calendars!**

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