

# Welcome to Monthly Webinar on Accelerated Bridge Construction

## Colorado DOT's Bronco Bridge over Platte River Replacement Project

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)**

**November 7, 2019 – 1:00 p.m. to 2:00 p.m. Eastern**



# Today's Monthly Webinar



**ABC Announcements**

(10 minutes)

**Featured Presentation**

(35 minutes)

## Colorado DOT's Bronco Bridge over Platte River Replacement Project

by

**Ryan Sullivan-Hope, P.E.**, Region 5 Design Engineer and Asset Manager, Colorado DOT; and **Gregg Reese, P.E.**, Senior Technical Advisor, Modjeski and Masters, 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



# Exhibit Opportunity

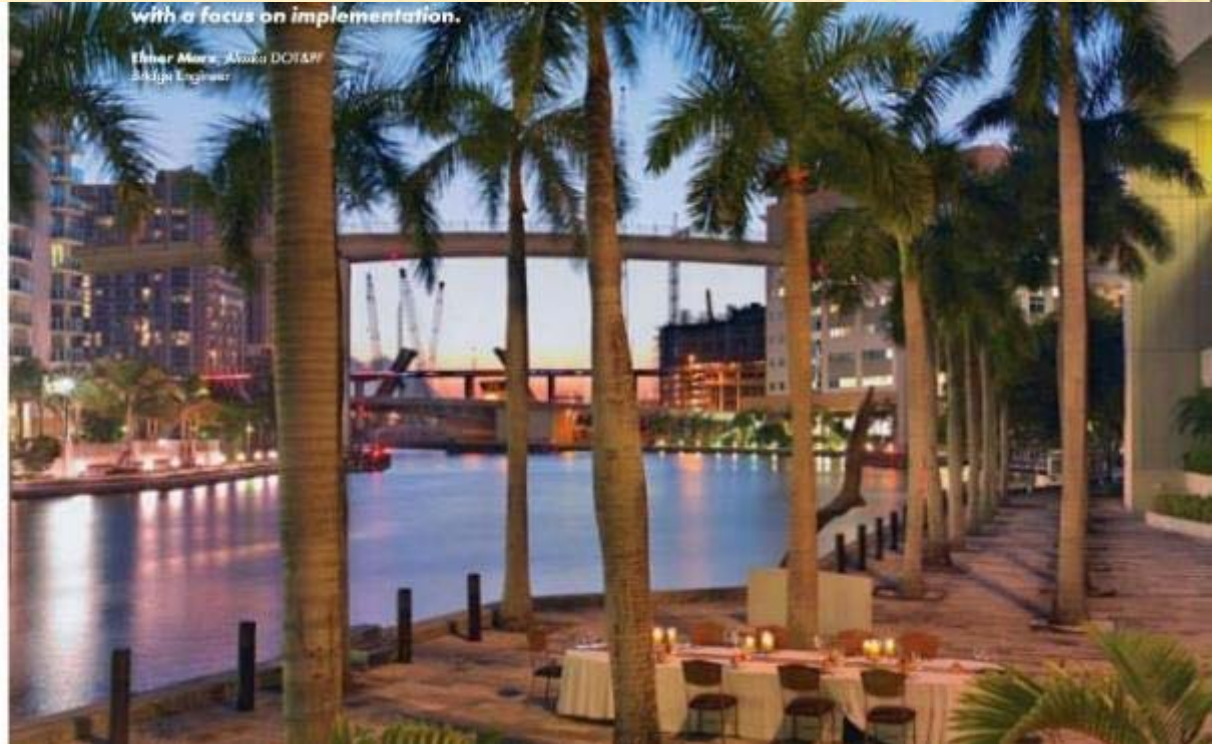
Reserve your booth while available



**Reserve your booth using link below:**

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

# Hyatt Regency Downtown Miami



We suggest you reserve your hotel early at special conference rate while available. Use link below:

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

# **Continuing Education Credit:**

- **FIU is an official sponsor of continuing education in Florida (FBPE) and New York State (NYS)**
- **Workshop attendees will receive a 4-hour certificate of attendance per workshop attended; conference attendees will receive a 14-hour certificate of attendance**

# **Please visit**

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

**to view the Conference program and complete details  
about the Conference**

**We look forward to seeing many of you,  
who have been enjoying our various  
web-based events, at the Conference**

**Your support by attending the  
Conference will allow us to better meet  
your needs**

**Join us!**  
**ABC-UTC Reception**  
at  
**2020 TRB Annual Meeting**  
**Washington, DC**

**Date:** Monday, January 13, 2020

**Time:** 5:30 – 7:30 p.m.

**Location:** Walter E. Washington Convention Center

**For more information:**

Contact Ms. Raheel Baksh at [rbaksh@fiu.edu](mailto:rbaksh@fiu.edu)



# Visit Our Booth at 2020 TRB Annual Meeting

January 12-16, 2020 – Washington, DC



ACCELERATED BRIDGE CONSTRUCTION  
UNIVERSITY TRANSPORTATION CENTER

Booth #

421

**Location: Exhibition Hall**

Walter E. Washington Convention Center

**For more information:**

Contact Ms. Raheel Baksh at [rbaksh@fiu.edu](mailto:rbaksh@fiu.edu)

# Student Spotlight



**Saiada Fuadi Fancy**

**Graduation:**

Ph.D., December 2019

**Institution:**

Florida International University

**Contact Email:**

[sfanc002@fiu.edu](mailto:sfanc002@fiu.edu)

**Major Advisor:**

Dr. Kingsley Lau

**Dissertation Topic:**

Corrosion Durability of a Nano-Particle Enriched Zinc-Rich Coating System for Highway Steel Bridges



ABC-UTC is interested to partner with industry to market two patented products



UHPC Shell Replacing Conventional Formwork

ABC-UTC is interested to partner with industry to market two patented products



Folded Plate Bridge system with length exceeding 100 ft.

Send an email to [aazizina@fiu.edu](mailto:aazizina@fiu.edu), if interested

# Upcoming Events

## **Webinar: Introduction to the FHWA Bridge Welding Reference Manual**

Tuesday, December 3, 2019

1:30-3:00 p.m. EST

Sponsored by American Institute of Steel Construction (AISC)

<https://www.aisc.org/>

**Online Registration Deadline: December 3 – 10:00 a.m. EST**

**To register:**

<https://www.aisc.org/education/continuingeducation/live-webinars/introduction-to-the-fhwa-bridge-welding-reference-manual/Introduction-to-the-FHWA-Bridge-Welding-Reference-Manual/#.XaSOm0ZKiUk>

# Upcoming ABC-Related Activities at TRB Annual Meeting

January 12-16, 2020 – Washington, DC

<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

## **Workshop 1061: Building Information Modeling for Bridges and Structures: A Chance to Be Heard**

Sunday, 1:30 – 4:30 pm, January 12, 2020

*Sponsored by AFF10; co-sponsored by AFF20, AFH30, AFH40, AFH70*

## **Workshop 1066: Automating Bridge Construction Through Robotics and 3D Printing**

Sunday, 1:30 – 4:30 pm, January 12, 2020

*Sponsored by AFH40; co-sponsored by AFF10, AFF20, AFF30, AFH70*

# Upcoming ABC-Related Activities at TRB Annual Meeting (cont'd., pg. 2)

January 12-16, 2020 – Washington, DC

<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

## **Lectern Session 1175: Precast Concrete Bridge Deck Systems**

Monday, 10:15 am – 12:00 pm, January 13, 2020

*Sponsored by AFF30; co-sponsored by ABC Joint Subcommittee*

## **Poster Session 1337: Concrete Bridges and Underground and Railway Structures**

Monday, 3:45 – 5:30 pm, January 13, 2020

*Sponsored by AFF30; co-sponsored by AFF50, AFF60*

# Upcoming ABC-Related Activities at TRB Annual Meeting (cont'd., pg. 3)

January 12-16, 2020 – Washington, DC

<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

## **Lectern Session 1378: Accelerated Bridge Construction Connections Between Substructure Elements: Innovative Details**

Tuesday, 8:00 – 9:45 am, January 14, 2020

*Sponsored by TRB Structures Section (AFF00) and Construction Section (AFH00); co-sponsored by ABC Joint Subcommittee, AFF10, AFF20, AFF30, AFF50, AFH40*



# Upcoming ABC-Related Activities at TRB Annual Meeting (cont'd., pg. 4)

January 12-16, 2020 – Washington, DC

<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

## **Meeting: Accelerated Bridge Construction Joint Subcommittee, AFF00(2)**

Monday, 6:00 – 7:30 pm, January 13, 2020

*Sponsored by Structures Section (AFF00) and Construction Section (AFH00);  
ABC Joint Subcommittee (AFF00(2))*

## **Meeting: Structures Collaboration Subcommittee, AFF00(1)**

Tuesday, 1:30 – 3:15 pm, January 14, 2020

*Sponsored by Structures Section (AFF00); Subcommittee on Structures  
Collaboration (AFF00(1))*

# **Additional Activities at TRB Annual Meeting**

**January 12-16, 2020 – Washington, DC**

**<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>**

## **Lectern Session 1299: 16th Dialogue with Leaders in the Design and Construction of Transportation Facilities**

Monday, 3:45 – 5:30 pm, January 13, 2020

*Sponsored by Design and Construction Group (AF000);  
Construction Section (AFH00);  
Asphalt Materials Section (AFK00)*

# Upcoming Events

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

April 6, 2020

Sponsored by American Segmental Bridge Institute (ASBI)

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

Early Registration Deadline: **March 31, 2020**

To register:

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

# ABC-UTC

## Semi-Annual Research Day

Friday, November 8, 2019 – 10:00 a.m.-4:40 p.m. EST

## 2019 Research Day 2



**Mark Your Calendars!**



# Next Monthly Webinar

Thursday, December 19, 2019 – 1:00-2:00 p.m. EST

**Featured Presentation**

## Connecticut DOT's Atlantic Street Railroad Bridge Project

by

**Timothy D. Fields, P.E.**, Principal Engineer, Consultant Bridge Design, Connecticut DOT; **Michelle A. Lynch, P.E.**, Transportation Supervising Engineer, Consultant Bridge Design, CTDOT; and **John Antonucci, P.E.**, Transportation Supervising Engineer, District 3 Construction, CTDOT

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