

Welcome to Monthly Webinar on Accelerated Bridge Construction

Michigan DOT's Use of Externally- Bonded FRP Systems for Bridge Element Strengthening

Sponsored by

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



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

June 20, 2019 – 1:00 p.m. to 2:00 p.m. Eastern



Today's Monthly Webinar



ABC Announcements

(10 minutes)

Featured Presentation

(35 minutes)

Michigan DOT's Use of Externally-Bonded FRP Systems for Bridge Element Strengthening

by

Matthew Chynoweth, P.E., Chief Bridge Engineer, Dir. of the Bureau of Bridges and Structures, Michigan DOT; **Steve Kahl, P.E.**, Bridge Construction and Modeling Engineer, MDOT; and **Jason DeRuyver, P.E.**, Bridge Design Squad Leader, MDOT

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

FIU | Engineering
& Computing
Civil and Environmental Engineering



Conference Program and Online Registration – now Available!

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



Please click the photo above to view the 2019 conference program. Contact [Mrs. Mina Saremi](mailto:msare001@fiu.edu) via telephone at (954) 895-7728 or via email at msare001@fiu.edu with any questions.

A nighttime photograph of a city skyline with illuminated skyscrapers and a bridge. A red banner is overlaid at the bottom of the image.

TRAVEL SCHOLARSHIPS

Travel Scholarships are Available

Please submit your application online

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



Exhibit Opportunity

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



Hyatt Regency Downtown Miami
We suggest you reserve your hotel early at
special conference rate while available

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

Awards Program



Award Categories:

- ABC Person of the Year
- Best ABC Project in the following categories:
 - Lateral Slide Technology
 - Self-Propelled Modular Transporters
 - Prefabricated Bridge Elements and Systems
 - Emergency

Submit your nomination by:
September 15, 2019

Conference Program Includes:

- 108 thirty-minute technical presentations
- Keynote talk by Secretary of Transportation (invited)
- Four technical keynote talks
- 7 four-hour pre-conference workshops
- Special poster research presentation
- ABC project awards
- Recognizing ABC person of the year
- Reception - Thursday evening in exhibit hall
- Spouse program

Please visit <https://abc-utc.fiu.edu/conference/> to see title and affiliation of presenters and more

ABC-UTC WD Activities

2019 Parent/Child Bridge Engineering Camp (FIU)

June 10-13, 2019



For more information:

<https://abc-utc.fiu.edu/education/activities-outreach>

or contact Dr. David Garber at dgarber@fiu.edu

We Are Pleased to Invite All AASHTO Attendees and Their
Guests to the

31st Annual ASBI Reception

to be Held Following the AASHTO Meetings

**Renaissance Montgomery Hotel & Spa
at the Convention Center**

Montgomery, Alabama

Monday, June 24

6:00 p.m. – 7:00 p.m.

~~Alabama CDE~~  **MPAC Atrium**

NSBA Networking Event is held in conjunction
with the 2019 Annual Meeting for AASHTO
Committee on Bridges & Structures.

please join NSBA for a

Networking Riverboat Cruise

ABOARD THE HARRIETT II

200 Coosa St · Tuesday June 25, 2019
Montgomery · 6:00 – 9:00 p.m.
AL 36104 · boarding 6:00 – 7:00 p.m.

to register visit:

www.aisc.org/boatcruise



Smarter.
Stronger.
Steel.



2020 TRB Annual Meeting

Call for ABC Papers – due August 1

<https://annualmeeting.mytrb.org/CallForPapers/Details/719>

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TRANSPORTATION RESEARCH BOARD

TRB 99th Annual Meeting (January
12-16, 2020)

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Authors interested in submitting papers are advised to check the [Paper Author Resource Page](#) and read [Requirements for Submitting Papers](#). Authors submitting papers in response to this Call for Papers should submit full papers for peer review to the Transportation Research Board online at www.TRB.org/AnnualMeeting. Paper submission is open from June to August 1. The paper submission website will close when it is no longer August 1 anywhere in the world. When submitting please indicate the Call for Papers title if you want your paper to be associated with a call. Note that this will not affect your chances of acceptance. Please contact the Call for Papers organizer if you need additional information.

Paper Author Warning – It is critical that you check the [Paper Author Resource Page](#) and read [Requirements for Submitting Papers](#). Remember after you submit there are no second chances – be very careful with your paper submission. If you are unsure, hit "Save and Submit Later" until your paper is ready for review.

To submit a paper, please visit the [Paper Submission](#) page.

Call For Paper Title

ABC Connections between Substructure Elements: Innovative Details

Call Description

The Joint Subcommittee on Accelerated Bridge Construction (ABC) is seeking papers regarding to innovative connection details between substructures elements. Eligible substructure connection details should be capable of accelerating bridge construction.

2020 TRB Annual Meeting

Call for ABC Papers – due August 1

<https://annualmeeting.mytrb.org/CallForPapers/Details/696>

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Call For Paper Title

Full and Partial Depth Precast Deck Panels

Call Description

The Standing Committee on Concrete Bridges (AFF30) is seeking studies and example applications of Full and Partial Depth Precast Deck Panels.

Upcoming Events

ASBI 2019 Seminar: Construction Practices for Concrete Segmental and Cable-Supported Bridges – Houston, TX

Tuesday-Wednesday, August 6-7, 2019

Sponsored by American Segmental Bridge Institute (ASBI)

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

Based on new ***ASBI Construction Practices Handbook for Concrete Segmental and Cable-Supported Bridges***,
3rd Edition, June 2019

For agenda, online registration, and hotel information:

<https://www.asbi-assoc.org/index.cfm/events/seminar>

Upcoming Events

Flexible Filler Certification Training – Tallahassee, FL

August 12-13, 2019

Sponsored by Florida DOT, American Segmental Bridge Institute (ASBI), Post-Tensioning Institute (PTI)

For agenda, online registration, and hotel information:

**[https://www.asbi-
assoc.org/index.cfm/flexiblefiller/training](https://www.asbi-assoc.org/index.cfm/flexiblefiller/training)**

ABC-UTC

Quarterly Research Seminar

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

Durable UHPC Columns with High-Strength Steel

Mohamed Moustafa, Ph.D., P.E., Principal Investigator; and **Mahmoud Aboukifa, Ph.D.** Student

ABC-UTC / University of Nevada, Reno

Registration to open soon

ABC-UTC 2019 In-Depth Web Training

Latest Seismic ABC Applications

Tuesday, September 10, 11:00 a.m. to 3:00 p.m. EDT

1	11:00 a.m. E	Seismic ABC Design Requirements	Bijan Khaleghi, Ph.D., P.E., WSDOT; and Khashayar Nikzad, Trantech
2	11:40 a.m. E	AASHTO ABC Guide Specifications, Seismic Design Requirements for Connections, and Connection Design Example	Lee Marsh, Ph.D., P.E., WSP; and Greg Banks, P.E., WSP
3	12:20 p.m. E	ABC Seismic Bridge System Utilizing Steel	Atorod Azizinamini, Ph.D., P.E., Director of ABC-UTC, FIU
4	1:00 p.m. E	Precast ABC Bents and Connections	Toorak Zokaie, P.E., Caltrans
5	1:40 p.m. E	Seismic Resilient Substructures	Dawn Lehman, Ph.D., UW; and Amy Leland, WSDOT
6	2:20 p.m. E	Precast Deck with UHPC Connections	John Stanton, Ph.D., UW; and Paolo Calvi, UW



Next Monthly Webinar

Thursday, July 18, 2019 – 1:00-2:00 p.m. Eastern

Featured Presentation

Missouri DOT's 2018 Poplar Street Bridge Lateral Slide

by

Dennis Heckman, P.E., State Bridge Engineer, Missouri Department of Transportation (MoDOT); and **Gregory Kuntz, P.E.**, St. Louis Bridge Section Manager, HDR

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