INTERNATIONAL ACCELERATED BRIDGE CONSTRUCTION CONFERENCE:
INCLUDING AUTOMATION, SERVICE LIFE AND ULTRA HIGH PERFORMANCE CONCRETE (UHPC)

December 12th–13th, 2019
Workshops December 11th

Hyatt Regency Hotel
Miami, Florida
“The ABC Conference is currently the best conference in the industry for bridge engineers involved in accelerated bridge construction. Any state DOT or transportation agency around the world focused on accelerating the delivery of their bridge projects should attend this conference.

Thanks,”

Jason N. Hastings, M.C.E., P.E. Delaware Department of Transportation
State Bridge Engineer

2019 CONFERENCE CO-SPONSORS

Federal Highway Administration (FHWA)
Transportation Research Board (TRB)
Alabama Department of Transportation
Alaska Department of Transportation & Public Facilities
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West Virginia Department of Transportation
Wisconsin Department of Transportation
Wyoming Department of Transportation
Approximately 23 percent of our bridge inventory is substandard and in need of retrofit or replacement. At the same time in both rural and major urban areas, we cannot continue business as usual using old construction practices to retrofit, replace or build new bridges. The public is demanding that safety is provided while traffic interruptions are significantly reduced. Construction sites are magnets for accidents. A single fatality is heartbreaking and can cost society millions. States are moving toward adopting Accelerated Bridge Construction at the programmatic level within their agencies. The use of ABC has increased exponentially, and new knowledge is continually being developed. It is essential that the bridge community keep track of these developments and new knowledge. The international community is also moving fast to adopt ABC. The 2019 International Accelerated Bridge Construction Conference: Including, Automation, Service Life and Ultra High Performance Concrete (UHPC), provides the best forum for bridge professionals, here in the U.S. and around the world, to learn the latest ABC technologies to put into practice. The 2019 Conference provides an excellent place to meet and network with those who have used ABC worldwide, exchange information, and get feedback on your next ABC project.

The 2019 Conference, to be held, on December 12 and 13 of this year, is the fourth in a series of ABC conferences organized by the ABC-UTC at FIU. While the previous three conferences (2014, 2015 and 2017) had national focus, the 2019 conference, for the first time, will include an international perspective. The 2019 Conference will also include complementary topics having direct consequences on widespread use of ABC. Namely, automation and robotics in construction, design of bridges for service life, and Ultra High Performance Concrete (UHPC). The 2019 conference includes 113 technical presentations, each 30 minutes in length. The presentations, as you will note from this publication, include numerous topics related to the use of ABC in the field. Seven pre-conference workshops, to be held on Wednesday, December 11, cover important ABC topics presented by national subject-matter experts, consultants, bridge owners and academia. The workshops, each four hours in length, will provide state of the knowledge on the subjects.

The first three National ABC Conferences were held in December of 2014, 2015 and 2017. Each attracted more than 700 bridge professionals, and more than 50 exhibitors show cased their products and services. We skipped 2018 to allow generation of new knowledge and information. As a result, we expect a larger audience to attend the 2019 Conference compared to the 2014, 2015 and 2017 Conferences.
“I would like to express my sincere appreciation on behalf of New Jersey Department of Transportation to the entire Team of FIU(ABC-UTC) for hosting and flawlessly executing the 2017 National Accelerated Bridge Conference last week. Kudos to the entire TEAM! There were many outstanding presentations and the highlight was the sharing of lessons learned and Q&A. We just had a kick-off meeting today to initiate a research pilot project here in NJ for implementing what was presented at the ABC. Thank You and the entire TEAM for your hospitality!"

Pankesh Patel, P.E., PMP New Jersey Department of Transportation
*Project Manager
The 2019 International Accelerated Bridge Construction Conference (www.ABC-UTC.fiu.edu/conference/) is a premier bridge engineering conference that is cosponsored by 30 State DOTs to date, the Federal Highway Administration, and the Transportation Research Board. The conference will be held on December 12-13, 2019 in Miami, Florida. A total of 113 technical sessions, 30 minutes each covering various aspects of ABC, will be held during the conference. Seven half-day ABC workshops will be held on Wednesday, December 11, one day prior to the conference. The invited keynote speaker is United States Secretary of Transportation Elaine Chao. In addition, four other keynote talks will provide the latest information on UHPC, the AASHTO ABC guide specifications, service life design of bridges, and robotics and automation. The conference will also include award announcements, multiple exhibitors, and a reception with local Miami flavor entertainment in the exhibit hall.

Previous Conferences (2014, 2015 and 2017)
The 2014, 2015 and 2017 National ABC Conferences were each attended by more than 700 bridge professionals, including more than 200 state DOT bridge engineers and professionals. During the last 3 National ABC Conferences, a total of 394 technical presentations were made, 29 half day workshops were conducted, and 141 companies exhibited their services. Mr. Gregory G. Nadeau, Administrator of the Federal Highway Administration, was the keynote speaker during the 2014 and 2015 conferences and the keynote speaker for 2017 conference was James Ray (USDOT Senior Advisor on Infrastructure). The Conferences, through travel scholarship development, assisted with travel expenses for a number of state bridge professionals attending the conference.

Continuing Education
Participants will receive 15-hour certificates of attendance for the conference. Participants will receive certificates of attendance for the pre-conference workshops based on sign-in sheets. The conference organizer (Florida International University) is responsible only for issuing the certificates of attendance. FIU is an official approved sponsor of continuing education for professional engineers in Florida and in New York State.

Who should attend the Conference?
Bridge design engineers; consultants; fabricators; erectors; precasters; construction professionals; maintenance engineers; transportation officials; policy makers; marketing professionals; federal, state, and local agencies; city, county and regional officials; industry suppliers; academicians; and bridge professionals with any aspect of bridge design, construction, or maintenance.

The focus of the conference will be on Accelerated Bridge Construction, including prefabricated bridge elements and systems, policies, contracting methods, marketing strategies that will facilitate accelerated construction of bridges using various materials and techniques, robotics and automation, service life design of bridges, and UHPC.
"The 2017 ABC conference was very informative. Presentations covered a wide variety of ABC technology, examples and lessons learned from a variety of experience levels and industry perspectives. The conference provided information valuable to further development and implementation of ABC techniques in our state.”

Carl Puzey, Illinois Department of Transportation, Engineer of Bridges & Structures,

For detail information about the conference, please visit https://abc-utc.fiu.edu/conference/

W-01: Implementation of the 2018 AASHTO LRFD Guide Specifications for ABC
Workshop Coordinator: Mike Culmo, CME Associates Inc.
This workshop will be a follow-up to the ABC-UTC pre-conference workshop held in 2017. The goal will be to cover the design of common ABC details and methods including prefabricated deck connections, precast integral abutments, precast piers, and SPMT and lateral slide systems.
Speakers: Mike Culmo, CME Associates Inc.

W-04: ABC Steel Girder Bridges Case Study
Workshop Coordinator: Jeff Carlson, NSBA
I-95 is a north-south interstate highway that crosses through Richmond and Henrico County, Virginia. Eleven bridge rehabilitations will be performed using state-of-the-art accelerated bridge construction techniques. All the bridge superstructures will be constructed off site and delivered to the bridge locations with specialty transport trailers. Unique prefabricated bridge superstructure units, night-time lane closures and crossovers using zipper barrier system, bridge replacements, public involvement, MOT schemes and haul route coordination and permitting.
Speakers: Joe Hardee, EOR, AECOM (Invited); Andrew Palahnuk, PM, Archer Western (Invited); Jorge Suarez, CM, Michael Baker International


**W-02: Today’s Concrete Bridge Design**

**Workshop Coordinator:** William Nickas, NCBC

Representatives of National Concrete Bridge Council (NCBC) membership will give a series of presentations that focus on key elements of concrete bridge design and construction, including topics related to ABC. Some are covered in the AASHTO LRFD Bridge Design Specifications, while many concepts and practices are addressed through concrete industry publications. Speakers will discuss recent state-of-the-art reports, industry manual updates, and other activities including recent developments in concrete solutions that are becoming more common practice in construction and renewal of concrete transportation projects. Presentations will include discussion of how institute-based balloting and collaboration serve to establish consensus documents and certification programs that contribute to the body of knowledge within institutes and within the industry as a whole. Participants will receive industry handouts, presentations, and manuals.

**Speakers:** Reid Castrodale, ESCSI; Pete Fosnough, EIG; Gregg Freeby, ASBI; Todd Hawkinson, WRI (invited); Brian Killingsworth, NRMCA (invited); Danielle Kleinmans, CRSI (Invited); Tony Kojundic, SFA; William Nickas, PCI; Alpa Swinger, PCA; Miroslav Vejvoda, PTI (invited)

**W-03: Non-Proprietary UHPC for ABC, Part 1: Mix Development and Material Properties**

**Workshop Coordinator:** Royce Floyd, OU

Ultra-high-performance concrete (UHPC) has the potential to provide significant benefits in many applications for ABC due to its superior mechanical and durability properties. This workshop will cover the basics of non-proprietary UHPC mix development, material properties, and applications of non-proprietary UHPC mix designs for ABC. It will include presentations on the need for non-proprietary UHPC, mix design development and material selection, non-proprietary UHPC material properties, effect of regionally available materials on mix performance, and results of ongoing research sponsored by the ABC-UTC on structural behavior and durability of non-proprietary UHPC.

**Speakers (invited):** Atorod Azizinamini, FIU; Royce Floyd, OU; David Garber, FIU; Mohamed Moustafa, UNR; Behrouz Shafei, ISU; John Stanton, UW; Jeffery Volz, OU

**W-04: Non-Proprietary UHPC for ABC, Part 2: Demonstration and Implementation**

**Workshop Coordinator:** Royce Floyd, OU

Non-Proprietary UHPC has the potential to be a viable option for ABC applications requiring performance exceeding that of conventional concrete. The differences in mixing, placement, finishing, curing, and testing methods required for UHPC compared to conventional concrete are best understood by practical exposure. This workshop will include demonstration of mixing, placement, and testing of non-proprietary UHPC with hands-on participation by the workshop attendees. It will also include a presentation on the upcoming ABC-UTC “Guide for ABC-UTC Non-Proprietary UHPC” and panel discussion that will identify important elements to consider when specifying non-proprietary UHPC.

**Demonstration Leaders (invited):** Royce Floyd, OU; David Garber, FIU; Trevor Looney, OU

**Panelists (invited):** Atorod Azizinamini, FIU; Royce Floyd, OU; David Garber, FIU; Mohamed Moustafa, UNR; Behrouz Shafei, ISU; John Stanton, UW

**W-05: Accelerated Bridge Construction in Seismic Regions: Research and Implementation**

**Workshop Coordinator:** Bijan Khaleghi, WSDOT

The focus of this workshop is performance of bridges built using ABC technologies in moderate-to-high seismic regions, with emphasis on seismic performance of connections. Developing seismic resilient connections that can accommodate inelastic deformations is the primary challenge for ABC in seismic regions. This workshop exhibits ABC technologies with self-centering prestressed concrete columns in seismic regions. Recent innovations in bridge design and construction meeting the post-earthquake functionality and serviceability requirements are presented. The workshop provides an opportunity for exchange of the latest information in research and implementation of ABC in seismic regions.

**Speakers (invited):** Atorod Azizinamini, FIU; Waseem Dekelbab, TRB; Marc Eberhard, University of Washington; Mark Gaines, WSDOT; Zachary Haber, FHWA; Eddie He, Parsons; Elmer Marx, Alaska DOT&PF; Mustafa Mashal, Idaho State University; Pinar Okumus, University of Buffalo; Tom Ostrom, Caltrans

**W-06: Long-Term Performance of ABC Details**

**Workshop Coordinator:** Mike Culmo, CME Associates Inc.

This workshop will cover the long-term performance of commonly used ABC details. Case studies of older ABC projects will be presented dating back to 1990. The performance of ABC technologies used in Utah will be covered based on 10 years of performance inspections of ABC projects including precast full-depth deck panels, precast integral abutments, precast piers, and SPMT and lateral slide systems. The presentations will cover good detailing practices and materials specifications that will lead to good long-term performance.

**Speakers:** Mike Culmo, CME Associates Inc.

**W-07: Non-Proprietary UHPC for ABC, Part 2: Demonstration and Implementation**

**Workshop Coordinator:** Mike Culmo, CME Associates Inc.

**Lower long-term performance of commonly used ABC details. Case studies of older ABC projects will be presented dating back to 1990. The performance of ABC technologies used in Utah will be covered based on 10 years of performance inspections of ABC projects including precast full-depth deck panels, precast integral abutments, precast piers, and SPMT and lateral slide systems. The presentations will cover good detailing practices and materials specifications that will lead to good long-term performance.**

**Speakers:** Mike Culmo, CME Associates Inc.
### MORNING - JAMES L. KNIGHT CENTER AUDITORIUM

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<th>Session</th>
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<tr>
<td>7:00-7:50 AM</td>
<td>Complimentary Breakfast - Exhibit Hall</td>
<td>Morning</td>
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<td>8:00-8:50 AM</td>
<td>Welcome</td>
<td>MORNING - JAMES L. KNIGHT CENTER AUDITORIUM</td>
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<td></td>
<td>Atorod Azizinamini, ABC-UTC Director</td>
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<td>Congressman Mario Diaz-Balart (Invited)</td>
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<td>Carmem Swazwick, AASHTO COBS</td>
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<tr>
<td>8:50-9:15 AM</td>
<td>Keynote Address</td>
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<td>Elaine L. Chao, US Secretary of Transportation (Invited)</td>
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<td>9:15-9:40 AM</td>
<td>Recognition of Travel Scholarship Contributors</td>
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<td>Ed Power, HDR &amp; Carlos Duart, CDR Magazine</td>
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### AFTERNOON - BREAKOUT SESSIONS

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:00-1:30 PM</td>
<td>Keynote Talk: AASHTO-LRFD GUIDE SPECIFICATIONS FOR ABC</td>
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<td>Michael Culmo - CME Associates, Inc. - James L. Knight Center Auditorium</td>
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<td>1:40-2:10 PM</td>
<td>Innovative Design and Materials for Seismic Resilient Accelerated Bridge Construction</td>
<td>JASMINE</td>
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<td>*Bijan Khaleghi - Washington State Department of Transportation</td>
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<tr>
<td>2:10-2:40 PM</td>
<td>An Alternative Precast Pier System for Accelerated Bridge Construction (ABC) in Seismic Regions</td>
<td>JASMINE</td>
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<td>*Mustafa Mashah - Idaho State University Arya Ebrahimpour-Idaho State University</td>
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<td>*Leonard Ruminski - Idaho Transportation University</td>
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<td>2:40-3:10 PM</td>
<td>Accelerated Construction and CMGC Delivery for the San Diego Genesee Viaduct</td>
<td>JASMINE</td>
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<td>*Pooya Hedidi - WSP USA Bila Shaht - WSP USA Nathan Johnson - WSP USA</td>
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<td>3:10-3:40 PM</td>
<td>COFFEE BREAK - EXHIBIT HALL</td>
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<td>TIME</td>
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<td>3:40-4:10 PM</td>
<td>ABC-CASE STUDY</td>
<td>ABC-SEISMIC</td>
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<td>MODERATOR</td>
<td>Paul Froede</td>
<td>David Benton</td>
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<td>Alabama Dept. of Transportation</td>
<td>Arizona Dept. of Transportation</td>
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<td>Jason Hastings</td>
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<td>Delaware Dept. of Transportation</td>
<td>Colorado Dept. of Transportation</td>
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<td>4:40-5:10 PM</td>
<td>Accelarted Superstructure</td>
<td>Behavior of UHPC Columns Subjected to Combined Axial and Lateral Loading</td>
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<td>Replacement for the Hoboken Viaduct</td>
<td>*Mahmoud Aboukila - University of Nevada, Reno</td>
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<tr>
<td>4:40-4:40 PM</td>
<td>Accelerated Construction of Unbraced Network Arch Bridge Using SPMTs</td>
<td>Assessment of the Seismic Performance of an ABC Steel Girders Bridge through Shake Table Studies</td>
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<td>*Mike Lavrielette - HDR</td>
<td>*Emilie Shoushtarirezvani - University of Nevada, Reno</td>
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<td>4:40-5:10 PM</td>
<td>UHPC Overlay at Multiple Bridge Interchange in Elsmere, DE</td>
<td>A Framework to Quantify the Cumulative Damage due to Induced Seismicity</td>
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<td>*William Geesnul - Whitman, Requardt &amp; Associates, LLP</td>
<td>*Philip Harvey - The University of Oklahoma</td>
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<td>Zachary Gabey - Whitman, Requardt &amp; Associates, LLP</td>
<td>Sumangali Sivakumar - The University of Oklahoma</td>
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<td>Kanthaasamy Murasithanam - The University of Oklahoma</td>
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<td>5:10-5:40 PM</td>
<td>Bothasfontein Interchange Bridge, South Africa - an ABC Composite Steel/Concrete 4-Span Bridge Erected in Two Consecutive Weekends over 25 years ago</td>
<td>Rapid Repair of Earthquake Damaged Substandard Bridge Columns Targeting Future Service Level Performance</td>
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<td>*Jose Calisto da Silva - Biggs Cardosa Associates Inc.</td>
<td>*Peter Dusicka - Portland State University</td>
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<td>Gregory Norton - Portland State University</td>
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<td>Ilya Palminkov - Portland State University</td>
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<td>6:00-7:30 PM</td>
<td>RECEPTION AND LOCAL MIAMI FLAVOR ENTERTAINMENT IN EXHIBIT HALL</td>
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### MORNING - BREAKOUT SESSIONS

**7:00 - 7:50AM - COMPLIMENTARY BREAKFAST - EXHIBIT HALL**

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<tbody>
<tr>
<td>SESSION 1</td>
<td>DOT ABC EXPERIENCES</td>
<td>Bradley Wagner</td>
<td>Scott Westerfield</td>
<td>Kristin Higgins</td>
<td>Steven Jacobi</td>
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<td>Moderator</td>
<td>Paul Vaught III</td>
<td>Michigan Dept. of Transportation</td>
<td>Mississippi Dept. of Transportation</td>
<td>Vermont Agency of Transportation</td>
<td>Oklahoma Dept. of Transportation</td>
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<td>Room</td>
<td>Louisiana Dept. of Transp. &amp; Dev.</td>
<td>Nancy Daubenberger</td>
<td>Dennis Heckman</td>
<td>Nevada Dept. of Transportation</td>
<td>Oregon Dept. of Transportation</td>
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<td>Wayne Frankhuaser Jr.</td>
<td>Minnesota Dept. of Transportation</td>
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<td>Maine Dept. of Transportation</td>
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<td>Florida International University</td>
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### MORNING - BREAKOUT SESSIONS

**8:00-8:30 AM**

**Keynote Talk: Design of Bridges for Service Life and Upcoming AASHTO Guide**
- Bruce Johnson - Oregon State Department of Transportation - James L. Knight Center Auditorium

### MORNING - BREAKOUT SESSIONS

**8:40-9:10 AM**

**Is ABC a Good Fit? Development of the Illinois Department of Transportation's Accelerated Bridge Construction Evaluation Method**
- Eric Ozimok - AECOM
- William Downes - Arizona Department of Transportation
- Atorod Azizinamini - Florida International University

**Accelerated Construction of I-40 Meteor City Ti OP**
- Brent Conner - Arizona Department of Transportation

**Accelerated and Resilient Repair of Bridge Columns**
- Shamim Sheikh - University of Toronto

**Accelerated Bridge Construction in China: Past, Present, and Future**
- Qixian Tian - Wuhan China Railway

**Isolated Bridge Abutments for Accelerated Bridge Construction**
- Mohammad Saifuzzaman - Parsons Inc.

### MORNING - BREAKOUT SESSIONS

**8:40-9:10 AM**

**FDOT Experience with PBES for Small-Medium Span Bridges**
- Steven Nolan - Florida Department of Transportation
- Edward Bosack - Alfred Benesch and Company
- John Boyer - Pennsylvania Turnpike Commission

**Advancing Ultra-High Performance Concrete in the Bridge Sector**
- Benjamin Graybeal - Federal Highway Administration
- Rajic El-Helou - National Research Council

**An Integrated Erecting Technique for Total Prefabricated Bridge Elements**
- Changjiang Wang - Zhejiang Provincial Institute of Communications Planning, Design & Research
- Lei Li - Zhejiang Provincial Institute of Communications Planning, Design & Research

**Post-Earthquake Functionality of ABC Bridges with Column Connections with Self-Centering Capability**
- Bjorn Khaleghi - Washington State Department of Transportation
- Phil Yen - IABEE

### MORNING - BREAKOUT SESSIONS

**9:40-10:10 AM**

**Everyday ABC in Texas**
- Jamie Farris - Texas Department of Transportation
- John Hanke - MP Engineers, P.C.
- Prakash Patel - MP Engineers, P.C.

**Trending ABC Designs Utilizing UHPC**
- Gregory Nault - LafargeHolcim - Ductal

**Replacement of Two Integral Abutment Bridges by Rapid Demolition and Lateral Slide Construction Methodology**
- Matthew McFadden - Jacobs

**Rapid Bridge Deck Restoration with "Fast Track" Hydrodemolition and Very Early Strength Latex Modified Concrete**
- Patrick Martens - Bridge Preservation and Inspection Services
### MORNING - BREAKOUT SESSIONS

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<th>MODERATOR</th>
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<tr>
<td>Paul Vaught III</td>
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<td>DOT ABC EXPERIENCES</td>
<td>ABC-CASE STUDY</td>
<td>UHPC-RESEARCH</td>
<td>ABC-REPAIR &amp; REPLACEMENT</td>
<td>INTERNATIONAL ABC EXPERIENCES</td>
<td>INTERNATIONAL ABC INNOVATION</td>
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<td>Mourad Faour</td>
<td>Louisiana Dept. of Transp. &amp; Dev.</td>
<td>Wayne Frankhauser Jr.</td>
<td>Maine Dept. of Transportation</td>
<td>10:30-11:00 AM</td>
<td>11:00-11:30 AM</td>
<td>NOON-1:30 PM</td>
<td>CASH BAR LUNCH - EXHIBIT HALL</td>
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<td>10:30-11:00 AM</td>
<td>11:00-11:30 AM</td>
<td>NOON-1:30 PM</td>
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**SESSION 1: DOT ABC EXPERIENCES**

**MODERATOR**

- Paul Vaught III
- Mourad Faour

**SESSION 2: ABC-CASE STUDY**

**SESSION 3: UHPC-RESEARCH**

**SESSION 4: ABC-REPAIR & REPLACEMENT**

**SESSION 5: INTERNATIONAL ABC EXPERIENCES**

**SESSION 6: INTERNATIONAL ABC INNOVATION**
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<th>Time</th>
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<tr>
<td>1:30-2:00 PM</td>
<td><strong>Keynote Talk: Robotics and Automation in Construction</strong></td>
<td>Atorod Azizinamini - Florida International University</td>
<td>- James L. Knight Center Auditorium</td>
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<td>2:10-2:40 PM</td>
<td><strong>ABC Solution to Bridge in Woodstock Vermont</strong></td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
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<td></td>
<td><strong>ROOM</strong></td>
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<tr>
<td>2:40-3:10 PM</td>
<td><strong>IDOT Accelerated Bridge Construction Pilot Project Illinois Route 115 over Gar Creek in Kankakee County</strong></td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
</tr>
<tr>
<td>3:10-3:40 PM</td>
<td><strong>Rapid Replacement of Bayou Sara Bridge Swing Span</strong></td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
</tr>
<tr>
<td>3:40-4:10 PM</td>
<td><strong>Accelerated Bridge Construction and Design of the Camp Creek Single Span PPCB Bridge and Old Man's Creek 3-Span Continuous Rolled Steel Bridge on I-9</strong></td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
</tr>
<tr>
<td>4:10-4:40 PM</td>
<td><strong>Weekend Replacement - Routes 1/9 &amp; 46 over Jones Road</strong></td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
<td>Ted Kniazewycz - Tennessee Dept. of Transportation</td>
<td>Carmen Swanwick - Utah Dept. of Transportation</td>
</tr>
</tbody>
</table>
AWARD NOMINATIONS:

The conference organizing committee is continuing the tradition of recognizing excellence in accelerated bridge construction by seeking nominations for the most influential person and best ABC projects as outlined below. The awards program provides an opportunity to showcase innovative projects and to recognize talented individuals that advance ABC. The need to minimize construction impacts and on-site activities elevates ABC to higher priority starting at the project planning stage. ABC also can be introduced during construction as a contractor initiative or proposal. Benefits of ABC include improvements in safety, and reduction of social costs, and environmental impacts.

ELIGIBILITY

Most Influential Person (previous award recipients are not eligible)

- Has actively been promoting ABC
- Champions the ABC culture
- Demonstrates leadership in ABC
- Promotes technology amongst peers and stakeholders

Best ABC Projects

- Eligible bridges must have been constructed or completed and opened to traffic between October 1, 2017 and September 30, 2019.
- A bridge is defined as a structure, including supports, erected over a depression or an obstruction, such as water, a highway, or a railway, having a track or passageway for carrying traffic or other moving loads, and having an opening measured along the center of the roadway of more than 20 feet between supports.

SUBMISSION PROCESS

All submissions must meet the detailed requirements outlined below. All entries are due by 11:59 pm EDT, September 15, 2019. Submissions received after that date will not be accepted. Entries should be submitted online at: https://abc-utc.fiu.edu/conference/award-nominations/

For detail information about the conference, please visit https://abc-utc.fiu.edu/conference/
CONTRIBUTE TO THE TRAVEL SCHOLARSHIPS

Join your fellow consultants and bridge professionals and contribute to the development of the travel scholarships. For more information, contact Ed Power, Chair of Travel & Scholarship Funds at ed.power@cox.net

Travel Scholarship contributors will be recognized during the General Session and will be presented with a plaque.

AS OF MAY 1ST THE FOLLOWING COMPANIES HAVE SPONSORED TRAVEL SCHOLARSHIP

- Double Diamond Sponsors
  - ACROW
  - BRIDGE
  - CDR McGUIRE

- Platinum Sponsors
  - GPI
  - Greenman-Pedersen, Inc.
  - HDR

- Gold Sponsors
  - McFarland Johnson
  - HNTB

- Silver Sponsors
  - MODJESKI MASTERS
“The ABC Conference is a great opportunity for bridge engineers from both the public and private sectors to network and learn about the latest advances in accelerated bridge construction. Also, the pre-conference workshops provide valuable educational opportunities for young engineers.”

Ahmad Abu-Hawash, P.E., Iowa Department of Transportation, Chief Structural Engineer

“This conference is the Disney World of transportation engineering innovation. There is no better way to prepare for your next (or first) ABC project than to listen to, meet, and talk with those who have already done it.

Some governmental transportation agencies are hesitant with innovation, which means it falls on their consultants to know this stuff. Having an interest in ABC is one thing. Attending this conference and listening to, meeting, and talking with those who have already done it is the next step in the progression.”

Paul E. Froede, P.E., Alabama Department of Transportation, Section Supervisor
“The 2019 ABC International Conference will be the fourth in its history and will continue the ABC-UTC’s goal to enhance the bridge community’s knowledge of all aspects of ABC—planning, design, construction and maintenance. With the presentations, educational training and, most of all, opportunity to talk face-to-face with your friends and colleagues, attendance at the Conference will benefit both you and your organization. December 11-13 in Miami ... See you there!”

Malcolm T. Kerley, P.E., Virginia Department of Transportation, former Chief Engineer and former Chair of AASHTO SCOBS

For detail information about the conference, please visit https://abc-utc.fiu.edu/conference/
OPPORTUNITIES TO EXHIBIT AT THE CONFERENCE

Don’t miss out on an opportunity to showcase your products and services at one of the most important bridge conferences of the year. Visit the link here to reserve your exhibit booth and see exhibit booths that are available.

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

As of May 1st the following companies have already reserved their exhibit booths:

- Acrow Bridge
- Allplan
- Atlas Pipe Piles
- BGFMA
- Bridge Preservation
- CDR Maguire, Inc.
- Computers and Structures
- Contractors Materials Company
- CTS Cement Manufacturing Corp.
- D.S. Brown
- Deep South Crane & Rigging
- Emseal Joint Systems
- Eriksson Technologies
- Expanded Shale, Clay and Slate Institute
- Foundation Technologies
- Gannett Fleming
- Headed Reinforcement Corporation
- Lafarge Ductal
- LARSA
- Mageba
- MMFX technologies, a CMC Company
- No Rust Rebar
- Owens Corning
- SOFiSTiK AG
- SPS North America
- The Reinforced Earth Company
- U.S. Bridge
- Universal Minerals International
- Vector Corrosion Technologies
**HOTEL INFORMATION**

**Hyatt Regency Hotel - Downtown Miami**
Move with the rhythm of the city. The striking white towers of the Hyatt Regency Miami overlooks Biscayne Bay and connect to the convention center, providing effortless access to everything from Brickell and Coral Gables, to Coconut Grove and the sandy beaches. The Hyatt hotel in downtown Miami offers an outstanding array of amenities, including the city’s largest meeting space, dramatic bayside or skyline views from spacious guestrooms, and a lively bar and restaurant.

**Hotel Reservations**
A block of rooms at a special conference rate is reserved for conference attendees and will be available on a first come first served basis. The first week of December 2019 coincides with many arts and cultural events in Miami, so it is highly recommended that you reserve your hotel room as early as possible.

[Visit the Hotel Reservation page on the conference website at](http://www.abc-utc.fiu.edu/conference/) to book your hotel reservations at the special conference rate today.

The Miami area offers something for everyone: the trendy nightlife of South Beach, bejeweled by the eye candy of the Art Deco district and former warehouse district of Miami, now known as Wynwood-Miami’s Art and Soul, a fast growing trendy art district, with indoor and outdoor galleries, graffiti art paving the streets and several art museums. The bustle of Calle Ocho and the highly caffeinated energy of Little Havana. The plush hotels of Miami Beach and historic hideaways of Coral Gables. Seemingly endless shopping opportunities in modern, sprawling malls and the quiet, personal attention offered by family owned shops of Coconut Grove and many other corners of the region. The lures of deep sea fishing and golf and tennis. Major league football, basketball, hockey, and baseball. Boat shows and auto racing. Art festivals and outdoor food and wine extravaganzas. An international airport and the world’s busiest cruise port. The Miami area offers all of this – and so much more.
“FIU has done a great job in assembling leaders in ABC. The workshop and sessions present ‘state of the practice’ in ABC from a national perspective with a focus on implementation.

Elmer Marx, Alaska DOT&PF
Bridge Engineer
MIAMI TO THE MAX!
$40.50 (DURATION: 4 HOURS)
This is our most popular tour. The day begins with a guided bus ride around Miami and Miami Beach. The bus stops at 5 different places where you can take pictures and walk around. Here are the places we visit: Art Deco District, Wynwood Walls Street Art District, Little Havana Cuban Neighborhood, Domino Park, and Bayside Market outdoor shopping mall. The tour will make a 90-minute stop in Little Havana for lunch. You will be able to explore the area on your own, or stay with the guide and take a guided walking tour of the area. When you book with us, you’ll also get FREE bottled water on the bus and a beautifully illustrated map.

The tour starts at 10:00 AM and ends at about 2:00 PM.

Here’s a link to the page where you can book yourself online - https://miamitourcompany.com/miami-to-the-max

EVERGLADES ADVENTURE
$53.10 (DURATION: 4 HOURS)
This tour is a lot of fun. We start off on a guided tour to Everglades National Park. On the way, you’ll hear music and stories from a professional audio guide. Upon arrival at the Everglades Park, you will embark on an exciting, 45-minute shared airboat ride. Right after, you will have the chance to learn more about the gators and ecosystem in the wildlife show. There is a cafeteria and a gift shop at the park, as well as a suspended boardwalk nature trail for you to peruse through nature.

The tour starts at 10:15 AM and ends at about 2:15 PM.

Here’s a link to the page where you can book yourself online - https://miamitourcompany.com/everglades-adventure
**MIAMI BOAT TOUR**

$25.20 (DURATION: 90 MINUTES)

To really see Miami, you must get out on the water, and there is no better way to enjoy the experience than on this relaxing boat tour around Star Islands and the celebrity homes. There is a full bar on the boat. Snacks and drinks are for sale. As a special thank you for booking with us, you’ll also receive a FREE** beer or soft drink (**valid only for trips between 10:30am and 5:30pm).

Tours departs between 10:30 AM and 5:30 PM. Reservations are necessary.

Here’s a link to the page where you can book yourself online - [https://miamitourcompany.com/cruise](https://miamitourcompany.com/cruise)

Pick up Information: We normally ask passengers staying at the Hyatt Regency to meet us at the main pick up location in Downtown Miami (Bayside Marketplace). Pick up here is at 9:15 AM for the Miami to the Max! Tour and 10:10 AM for the Everglades Tour.

However, if the group has a minimum of 15 passengers on the Miami to the Max or the Everglades Tour, we can schedule a complementary pick up right at their hotel for that service.

** We do not offer pick up services for the Boat Tours since these depart every hour.

Please use discount code for the Conference group to receive an additional discount if booking online: The code to use is: FIUpromo. If booking via phone, just mention the code to the attendant for discounted rates above.

All tours must be booked 48 hours in advance.
“These are great conferences in that they cover all aspects of Accelerated Bridge Construction for today’s practitioners.”

Paul Liles Jr., P.E., Georgia Department of Transportation, Former Assistant Division Director of Engineering
CONFERENCE REGISTRATION AND WORKSHOP REGISTRATION FEES

Below includes registration fees for the conference and each workshop. Visit the registration page of the conference website – www.abc-utc.fiu.edu/conference/ to register online for workshops and the conference. Take advantage of early registration and save! To help conference organizers provide the best experience possible, please register early and avoid onsite registration.

<table>
<thead>
<tr>
<th>Registration Fees:</th>
<th>Prior to 9/16</th>
<th>From 9/17 to 11/15</th>
<th>After 11/15 &amp; On-site*</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Registration</td>
<td>$495</td>
<td>$595</td>
<td>$695</td>
</tr>
<tr>
<td>State DOT, Local and Federal Agencies</td>
<td>$375</td>
<td>$375</td>
<td>$495</td>
</tr>
<tr>
<td>Pre-conference Workshops - full day</td>
<td>$150</td>
<td>$250</td>
<td>$350</td>
</tr>
<tr>
<td>Pre-conference Workshop - half day</td>
<td>$100</td>
<td>$150</td>
<td>$275</td>
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See Spouse Program & Tours Activities page for prices.

*All attendees, including speakers, must register. Travel scholarship recipients also need to register online, using special code that they will receive from Ms. Saremi. She can be contacted at msare001@fiu.edu.

For online registration and more detailed information on the conference, visit: https://abc-utc.fiu.edu/conference/