# GENERAL SESSION AND BREAKOUT SESSIONS

**THURSDAY**

## MORNING - JAMES L. KNIGHT CENTER AUDITORIUM

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderator/Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00-7:50 AM</td>
<td>Complimentary Breakfast - Exhibit Hall</td>
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</tbody>
</table>
| 8:00-8:50 AM | Welcome  
Atorod Azizinamini, ABC-UTC Director  
Mark Rosenberg, President, Florida International University  
Carmen Swamwick, Chairperson, AASHTO COBS  
Han Kalla, FHWA Associate Administrator for Infrastructure  
FDOT Representative |                                                                                     |
| 8:50-9:20 AM | Keynote Address  
Diana Furtchgot-Assad, Deputy Assistant Secretary for Research and Technology (OST-R) |                                                                                     |
| 9:20-9:40 AM | Recognition of Travel Scholarship Contributors  
Ed Power, HDR & Carlos Duart, CFM Magazine |                                                                                     |

## AFTERNOON - BREAKOUT SESSIONS

### SESSION 1: ABC-CASE STUDY

**ROOM**  
JASMINE ORCHID ROOM

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 1:00-1:30 PM | Keynote Talk: AASHTO-LRFD GUIDE SPECIFICATIONS FOR ABC  
Michael Culmo - CME Associates, Inc. - James L. Knight Center Auditorium |                                                                                     |
| 1:40-2:10 PM | Innovative Design and Materials for Seismic Resilient Accelerated Bridge Construction  
*Geoff Sweett - Washington State Department of Transportation* |                                                                                     |
| 2:10-2:40 PM | An Alternative Precast Pier System for Accelerated Bridge Construction in Seismic Regions  
*Daniel Ferris - Ames Construction, Inc.*  
*Derek Stonebraker - Horracks Engineers* |                                                                                     |
| 2:40-3:10 PM | Accelerated Construction and CMGC Delivery for the San Diego Genesee Viaduct  
*Kristina Kretsch - VHB*  
*Kaleigh Rose Slutz - VHB* |                                                                                     |
| 3:10-3:40 PM | CORR Protection of Reinforced Concrete Bridge Repaired with UHPC  
*Kinglsey Lau - Florida International University*  
*Atorod Azizinamini - Florida International University* |                                                                                     |

### SESSION 2: ABC-SEISMIC

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*Geoff Sweett - Washington State Department of Transportation* |                                                                                     |
| 1:40-2:10 PM | Alphabetical Design and Materials for Seismic Resilient Accelerated Bridge Construction  
*Atorod Azizinami - Florida International University*  
*Diana Furtchgot-Assad - Deputy Assistant Secretary for Research and Technology (OST-R)* |                                                                                     |
| 2:10-2:40 PM | An Alternative Precast Pier System for Accelerated Bridge Construction in Seismic Regions  
*Daniel Ferris - Ames Construction, Inc.*  
*Derek Stonebraker - Horracks Engineers* |                                                                                     |
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*Kaleigh Rose Slutz - VHB* |                                                                                     |
| 3:10-3:40 PM | CORR Protection of Reinforced Concrete Bridge Repaired with UHPC  
*Kinglsey Lau - Florida International University*  
*Atorod Azizinami - Florida International University* |                                                                                     |

### SESSION 3: UHPC - CASE STUDY

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*Geoff Sweett - Washington State Department of Transportation* |                                                                                     |
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*Kinglsey Lau - Florida International University*  
*Atorod Azizinami - Florida International University* |                                                                                     |

### SESSION 4: ABC-TOOLS & SOLUTIONS

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*Atorod Azizinami - Florida International University*  
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*Kinglsey Lau - Florida International University*  
*Atorod Azizinami - Florida International University* |                                                                                     |

### SESSION 5: ABC-GENERAL

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*Kinglsey Lau - Florida International University*  
*Atorod Azizinami - Florida International University* |                                                                                     |

### SESSION 6: ABC-RESEARCH

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*Geoff Sweett - Washington State Department of Transportation* |                                                                                     |
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*Atorod Azizinami - Florida International University*  
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*Kinglsey Lau - Florida International University*  
*Atorod Azizinami - Florida International University* |                                                                                     |
## GENERAL SESSION AND BREAKOUT SESSIONS

### THURSDAY

#### 8:50-9:15 AM
- **Eliminating the Need for Formwork**
  - MODERATOR: Eric Thorkildsen - Dewberry Engineers Inc.
  - ROOM: MORNING - JAMES L. KNIGHT CENTER AUDITORIUM

#### 1:00-1:30 PM
- **Utilizing Innovative Materials for WSDOT Ferry Terminal at Region 3.7**
  - ROOM: ROOM

#### 2:10-2:40 PM
- **Complimentary Breakfast - Exhibit Hall**
  - ROOM: ROOM

### AFTERNOON - BREAKOUT SESSIONS

#### SESSION 1
- **ABC-CASE STUDY**
  - MODERATOR: Paul Froede
    - Moderator: Alabama Dept. of Transportation
    - Jason Hastings
      - Moderator: Delaware Dept. of Transportation
  - JAMES L. KNIGHT CENTER AUDITORIUM

#### MODERATOR ROOMS

<table>
<thead>
<tr>
<th>ROOM</th>
<th>DATE</th>
<th>TIME</th>
<th>SESSION</th>
<th>ROOM</th>
<th>PRESENTERS</th>
</tr>
</thead>
</table>
| ABC-CASE STUDY | THURSDAY | 3:40-4:10 PM | Accelerated Superstructure Replacement for the Hoboken Viaduct | AHA - JAMES L. KNIGHT CENTER AUDITORIUM | *Thomas Zink - Gannett Fleming, Inc.*
| ABC-SEISMIC | THURSDAY | 4:10-4:40 PM | Accelerated Construction of Unbraced Network Arch Bridge Using SPMTs | JASMINE | *Mike LaViolette - HDR*
| ABC-CASE STUDY | THURSDAY | 4:40-5:10 PM | UHPC Overlay at Multiple Bridge Interchange in Elsmere, DE | ORCHID | *William Gescheit - Whitman, Requardt & Associates, LLP*  
  - *Jose Calisto da Silva - Biggs Cardosa Associates Inc.*
| ABC-SEISMIC | THURSDAY | 5:10-5:50 PM | Bothasfontein Interchange Bridge, South Africa - an ABC Composite Steel/Concrete 4-Span Bridge Erected in Two Consecutive Weekends over 25 years ago | HIBISCUS A | *Jose Calisto da Silva - Biggs Cardosa Associates Inc.*
| ABC-CASE STUDY | THURSDAY | 6:00-6:30 PM | RECEPTION AND LOCAL MIAMI FLAVOR ENTERTAINMENT IN EXHIBIT HALL | HIBISCUS B | *Paul Pinzak - Minnesota Department of Transportation*

#### PROGRAM HIGHLIGHTS

<table>
<thead>
<tr>
<th>SESSION</th>
<th>ROOM</th>
<th>ROOM DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ABC-CASE STUDY</td>
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<td>2</td>
<td>ABC-SEISMIC</td>
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<tr>
<td>3</td>
<td>UHPC-CASE STUDY</td>
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</tr>
<tr>
<td>4</td>
<td>ABC-TOOLS &amp; SOLUTIONS</td>
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</tr>
<tr>
<td>5</td>
<td>ABC-GENERAL</td>
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</tr>
<tr>
<td>6</td>
<td>ABC-RESEARCH</td>
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<td>THURSDAY</td>
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<td>Utilizing Innovative Materials for WSDOT Ferry Terminal at Region 3.7</td>
<td>MORNING</td>
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</tbody>
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#### KEYNOTE TALKS
- **AASHTO-LRFD GUIDE SPECIFICATIONS FOR ABC**
  - ROOM: JASMINE | ORCHID | HIBISCUS A | HIBISCUS B
- **Recognizing ABC Person of the Year and Best ABC Projects**
  - ROOM: JASMINE | ORCHID | HIBISCUS A | HIBISCUS B

#### OTHER ACTIVITIES
- **Coffee Break - Exhibit Hall**
- **Morning - JAMES L. KNIGHT CENTER AUDITORIUM**
- **Reception and Local Miami Flavor Entertainment in Exhibit Hall**
**Keynote Talk: Design of Bridges for Service Life and Upcoming AASHTO Guide**
Bruce Johnson - Oregon State Department of Transportation
James L. Knight Center Auditorium

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

**SESSION 1**
**DOT ABC EXPERIENCES**

**MODERATOR**
Paul Vaught III
Louisiana Dept. of Transp. & Dev.
Wayne Frankhauser Jr.
Maine Dept. of Transportation

**BRIDGE CONSTRUCTION EVALUATION METHOD**
- Bradley Wagner
  - Michigan Dept. of Transportation
- Nancy Daubenberger
  - Minnesota Dept. of Transportation
- Scott Westerfield
  - Mississippi Dept. of Transportation
- Dennis Heckman
  - Missouri Dept. of Transportation

- Kristin Higgins
  - Vermont Agency of Transportation
- Jessen Mortensen
  - Nevada Dept. of Transportation
- Steven Jacobi
  - Mississippi Dept. of Transportation
- Bruce V. Johnson
  - Oregon Dept. of Transportation

**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
Brent Conner - Arizona Department of Transportation

- *Atorod Azizinamini - Florida International University
- *Shamim Sheikh - University of Toronto
- Xixian Tian - Wuhan China Railway
- *Mohammad Sajjaduzzaman - Parsons Inc.
- Matthias Schueller - Vice President

**FDOT Experience with PBES for Small-Medium Span Bridges**
*Steven Nolan - Florida Department of Transportation
Sam Fallaha - Florida Department of Transportation
Vickie Young - Florida Department of Transportation

- *Edward Bosack - Alfred Benesch and Company
John Boyer - Pennsylvania Turnpike Commission

- *Benjamin Graybeal - Federal Highway Administration
Rafic El-Helou - National Research Council
- *Scott Burbank - VHB
Mark Alexander - Kublinsky Construction Corporation

**Advancing Ultra-High Performance Concrete in the Bridge Sector**
- *Benjamin Graybeal - Federal Highway Administration

- *Rafic El-Helou - National Research Council

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

Lei Li - Zhejiang Provincial Institute of Communications Planning, Design & Research

**Replacing of Two Integral Abutment Bridges by Rapid Demolition and Lateral Slide Construction Methodology**
*Matthew McFadden - Jacobs
Douglass Raty - Jacobs
Kris Mermigas - Ministry of Transportation of Ontario

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

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

**Everyday ABC in Texas**
*Jamie Farris - Texas Department of Transportation

- *John Hanko - MP Engineers, P.C.
Nirav Shah - MP Engineers, P.C.
Prakash Patel - MP Engineers, P.C.

- *Gregory Rault - LalageHolst - Ductal

- *Mohammad Quasim - HNTB Corporation
Todd Batchelor - HNTB Corporation

**Utilizing ABC Techniques for an Emergency Bridge Repair on the Garden State Parkway**
*Matthew McFadden - Jacobs
Douglass Raty - Jacobs
Kris Mermigas - Ministry of Transportation of Ontario

**Rapid Bridge Deck Restoration with “Fast Track” Hydrodemolition and Very Early Strength Lateral Modified Concrete**
*Patrick Martens - Bridge Preservation and Inspection Services

**10:10-10:30 AM**

**COFFEE BREAK - EXHIBIT HALL**
# MORNING - BREAKOUT SESSIONS

<table>
<thead>
<tr>
<th>ROOM</th>
<th>JAMES L. KNIGHT CENTER AUDITORIUM</th>
<th>AUDITORIUM SECOND FLOOR</th>
<th>JASMINE</th>
<th>ORCHID ROOM</th>
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<th>HIBISCUS B</th>
</tr>
</thead>
<tbody>
<tr>
<td>SESSION 1</td>
<td>DOT ABC EXPERIENCES</td>
<td>SESSION 2</td>
<td>ABC-CASE STUDY</td>
<td>SESSION 3</td>
<td>UHPC-RESEARCH</td>
<td>SESSION 4</td>
</tr>
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<td>MODERATOR</td>
<td>Paul Vaught III</td>
<td>Bradley Wagner</td>
<td>Michigan Dept. of Transportation</td>
<td>Nancy Daubenberger</td>
<td>Minnesota Dept. of Transportation</td>
<td>Scott Westergard</td>
</tr>
<tr>
<td>11:00-11:30 AM</td>
<td>Temporary Bridge Installation for Replacement of the Pallisades Interstate Parkway Helix Ramp, Ft. Lee, NJ</td>
<td>FieldCast Connection Performance: Solutions to Shrinkage and Interface Bond Issues</td>
<td>*Igor De La Varga - SES Group and Associates</td>
<td>Robert Spragg - SES Group and Associates</td>
<td>Benjamin Graybeal - Federal Highway Administration</td>
<td>Case Study of Bridge Deck Replacement Strategies for Post-tensioned Concrete Girders</td>
</tr>
<tr>
<td>11:30-NOON</td>
<td>Rapid Replacement of Two Washington DOT Stream Crossing Bridges using Prefabricated Arch Bridge Systems</td>
<td>FieldCast Connection Performance: Solutions to Shrinkage and Interface Bond Issues</td>
<td>Washington Street (Route 85) over the Assabet River Bridge Replacement in Hudson, MA</td>
<td>Innovative Matagrup Bridge Installation, Australia</td>
<td>Evaluation of Aging Slab-on-Girder Bridge Resiliency after an Extreme Climate Event Using Accelerated Bridge Construction</td>
<td>*Amina Mohammed - National Research Council Canada</td>
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<tr>
<td>NOON-1:30 PM</td>
<td>CASH BAR LUNCH - EXHIBIT HALL</td>
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### AFTERNOON - BREAKOUT SESSIONS

**1:30-2:00 PM**
- **SESSION 1**
  - KEYNOTE TALK: Robotics and Automation in Construction
  - Atorod Aazizanimini - Florida International University
  - James L. Knight Center Auditorium

**ROOM**
- JAMES L. KNIGHT CENTER AUDITORIUM
- AUDITORIUM SECOND FLOOR
- JASMINE
- ORCHID ROOM
- HIBISCUS A
- HIBISCUS B

**MODERATOR**
- Ted Kniazewycz
  - Tennessee Dept. of Transportation
  - Carmen Swanwick
  - Utah Dept. of Transportation

**ROOM**
- ABC - CASE STUDY
- ABC - RAIL ROAD
- SESSION 3
  - UHPC-CASE STUDY & RESEARCH
- SESSION 4
  - ABC - SUBSTRUCTURE
- SESSION 5
  - ABC NEW SYSTEMS
- SESSION 6
  - ABC NEW SYSTEMS

**2:10-2:40 PM**
- ABC Solution to Bridge in Woodstock Vermont
  - *Robert Young* - Vermont Agency of Transportation
  - Rapid Reconstruction of Historic BNSF Br. 482.1 West Approach
  - "Temple Overman - HNTB Corporation"
  - Cory Duer - Kramer North America
  - Applied Technology Corporation

**2:40-3:10 PM**
- IDOT Accelerated Bridge Construction Pilot Project - Illinois Route 115 over Gar Creek in Kankakee County
  - *Chad Nodel* - WHKS & Co., Inc.
  - Application of Accelerated Bridge Construction Strategies and Innovative Structural Systems to High-Speed Rail
  - "Marc Eberhard - University of Washington"
  - John Stanton - University of Washington
  - Michelle Chung - University of Washington
  - ABC Engineering, Inc.

**3:10-3:40 PM**
- ABC Solution to Bridge in Woodstock Vermont
  - Rapid Replacement of a Bridge over a Creek in Kankakee County
  - *Kevin Kane* - Bradfield & Gorrie, LLC
  - David Knickerbocker - HDR, Inc.
  - Issac Zickefoose - HDR, Inc.
  - James Hyland - Triax Systems
  - Sue Tryon - Benham
  - Jeff Estes - BNSF Railway

**3:40-4:10 PM**
- 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 IA 1
  - Jesse Peterson - Iowa Department of Transportation
  - The Design And Construction of Bear Creek Crossing Railroad Bridge Irving, Texas
  - *Christian Ray* - Jacobs
  - George Avalos - Dallas Area Rapid Transit
  - John Tryon - Benham

**4:10-4:40 PM**
- Construction Sequencing for Separating Highway-Rail Grade Crossings with Minimal Interruption to the Railroad
  - *Agnieszka Lapinski* - Gannett Fleming, Inc.
  - Thomas Zink - Gannett Fleming, Inc.
  - Construction for Separating Highway-Rail Grade Crossings with Minimal Interruption to the Railroad
  - *Art Ivantchouk* - ART Engineering Inc.
  - Alaina Polkki - ART Engineering Inc.

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**FRIDAY AFTERNOON**

**3:40-4:10 PM**
- Modeling UHPC Link Slabs for the Wilmington Van duct Bridge Rehabilitation Project
  - Bijn Khaleghi
  - Washington State Dept. of Transportation
  - Mary Loau Rolls
  - Rolls Newman, LLC

**3:40-4:10 PM**
- Guideline for Selection of Substructure for Projects
  - Ahmed Ndatiri Mongi
  - West Virginia Dept. of Transportation
  - Seung Jee Lee
  - Florida International University

**3:40-4:10 PM**
- Rapid Replacement of County Bridges Utilizing H.S. Corrosion Resistant Steel
  - William Oliva
  - Wisconsin Dept. of Transportation
  - Armin Mehrabi
  - Florida International University

**3:40-4:10 PM**
- Increase Service Life of Concrete Structures With Lightweight Aggregate
  - Romeo Garcia
  - Federal Highway Administration
  - Florida International University