

Welcome to Monthly Webinar on Innovative Bridge Technologies / Accelerated Bridge Construction

Building Bridges at the Speed of Segmental

Sponsored by

*Innovative Bridge Technologies / Accelerated Bridge Construction - University Transportation Center
(IBT/ABC-UTC) at Florida International University*



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

January 18, 2024 – 1:00 p.m. to 2:15 p.m. Eastern



Today's Monthly Webinar



IBT/ABC Announcements

(10 minutes)

Featured Presentation

(35-40 minutes)

Building Bridges at the Speed of Segmental

by

Matthew Adams, P.E.,

Senior Lead Bridge Engineer, Corven Engineering an H&H Company

Question and Answer Session

(15+ minutes)

Please post your questions in the question box

CALL FOR ABSTRACTS

MARK YOUR CALENDAR

*Don't miss one of the most important
bridge engineering events of the year!*

2024 WORLD BRIDGE ENGINEERING CONFERENCE

December 11-13, 2024 • Miami, Florida • Hilton Miami Downtown Hotel

ABOUT THE CONFERENCE

Conference provides an opportunity to share and learn about case studies, latest development, technologies, and innovations in bridge engineering, design and construction, worldwide. Past conferences held in 2014, 2015, 2017, 2019 and 2022 were each attended by more than 700 bridge professionals, including over 150 state DOT bridge engineers. For past ABC Conference highlights visit: <https://abc-utc.fiu.edu/conference/archives/>.

CALL FOR ABSTRACTS

If you are interested in presenting at the conference, please submit a one-page abstract by April 12, 2024, 11:59 p.m. EDT. Abstracts must be submitted online to <https://abc-utc.fiu.edu/conference/abstract-submission/>.

EXHIBIT OPPORTUNITIES

Please send an email to Ms. Saremi at msaremi@fiu.edu if you are interested in reserving a booth.



CONFERENCE TOPICS

- 3D printing in bridge engineering
- Accelerated Bridge Construction
- Advances in sensor technologies
- Advanced construction materials
- Advances in bridge design
- Advances in construction equipment
- Advanced non-destructive testing and equipment
- Advances in bridge seismic design
- Advances in connections for prefabricated elements
- Alternative contracting methods
- AI in bridge engineering
- Automation in design and construction
- Automation in bridge inspection
- Best practices in bridge preservation
- Best practices in bridge bundling
- Best practices in preventing bridge scour
- Best practices in service life design
- Bridge asset management systems of bridges
- Bridge deck overlays using advanced materials
- Case studies: Short-, medium- and long-span bridges + bridges in seismic regions
- Contractor's perspective on future needs of bridge engineering
- DOT organizational structures to accommodate innovative technologies
- Designing and constructing bridges for extreme events/hurricanes
- Digital twins in bridge engineering
- Emergency bridge project cases
- Forensic bridge engineering
- Health monitoring of bridges
- Innovative bridge concepts
- Innovation in bridge foundation and substructure
- Lessons learned from bridge failures
- Movable bridges
- Pedestrian bridges
- Policy, planning and procurement
- Public outreach and marketing
- Prefabricated bridge elements
- Railroad bridges
- Rail transit bridges
- Robotics in fabrication and construction
- Ultra High-Performance concrete: Mix design and material characteristics
- Ultra High-Performance concrete for bridge repair, strengthening and rehabilitation
- Unique bridge fabrication, erection and construction case studies
- Use of drones in bridge engineering
- Use of blockchain in bridge engineering
- Upgrade and rehabilitation of existing bridges

To make your **hotel reservations** at the special conference rate, please visit <https://abc-utc.fiu.edu/.conference/>



Conference co-sponsored by U.S. Federal Highway Administration and many state Departments of Transportation.



For more information about the conference, please contact Conference Chair Dr. Atorod Azizinamini at aazizina@fiu.edu.

Upcoming Events

PCI

Precast / Prestressed Concrete Institute

2024 PCI Convention

February 6-9

Denver, Colorado

For more information and registration: www.pci.org/convention

Or contact William Nickas at; wnickas@pci.org

Upcoming Events

AISC / NSBA

American Institute of Steel Construction / National Steel Bridge Alliance

NASCC: The Steel Conference

including the World Steel Bridge Symposium

March 20-22

San Antonio, Texas

For more information and registration: www.nascc.aisc.org

Or contact Vin Bartuca at; bartucca@steelbridges.org

Quarterly Research Seminar

Friday, January 26, 2024 – 1:00-2:15 p.m. Eastern
(Certificate of Attendance provided)

Featured Project:

Exploring Fiber Reinforced Concrete for Accelerated Bridge Construction Applications

by

Travis Thonstad, Ph.D., Principle Investigator; and
Carolyn Donohoe, MSCE, EIT, Structural Associate, Moffatt & Nichol
ABC-UTC at University of Washington

[Register Now!](#)



Next Monthly Webinar

Thursday, February 15, 2024 – 1:00-2:15 p.m. Eastern
(Certificate of Attendance provided)

Featured Presentation:

Implementing the New Specifications for National Bridge Inventory (SNBI): Idaho Transportation Department's Plan

Mike Johnson, P.E., State Bridge Engineer, ITD; **Alan Buehrig, P.E.**, Bridge Asset Management Engineer, ITD; **Patty Fish**, Bridge Asset Management Project Manager, ITD; **Rob Schultz**, Director of Operations, Mayvue Solutions; **Zac Boyle, P.E.**, BrM Asset Management Expert, Mayvue Solutions

Mark your Calendars!



Today's Monthly Webinar

(Certificate of Attendance provided)

Featured Presentation:

Building Bridges at the Speed of Segmental

by

Matthew Adams, P.E.,

Senior Lead Bridge Engineer, Corven Engineering an H&H Company

Question and Answer Session:

Please post your questions in the question box

