

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

**Dogwood Bridge Replacement Utilizing
Press Brake Tub Girders**

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

June 13, 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)

Dogwood Bridge Replacement Utilizing Press Brake Tub Girders

by

John Gay, P.E., Imperial County Public Works Director

Darab Bouzarjomehri, P.E., Senior Project Manager, NV5, Inc.

Guy Nelson, S.E., P.E., Product Development Director, Valmont Structures

Question and Answer Session

(15+ minutes)

Please post your questions in the question box

2024 World Bridge Engineering Conference

Hilton Hotel, December 11, 12 and 13, 2024, Miami FL



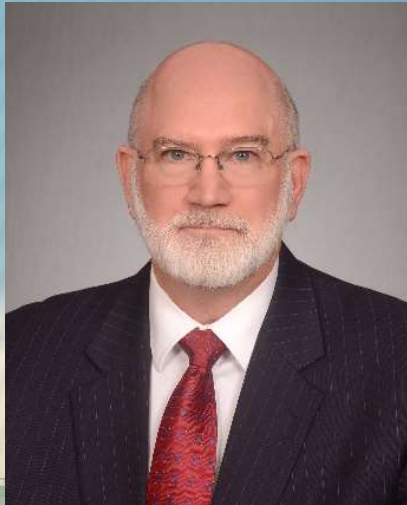
2024 World Bridge Engineering Conference

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Keynote Speakers



Michael Knott, PE,

Senior Vice President Emeritus, with Moffatt
& Nichol

Presentation Title: *What bridge designers should know about ships colliding with bridges and how to prevent collapse.*



Changsu Shim, PhD,

Professor, Chung-Ang University,
South Korea

Presentation Title: *Digitalized highway bridge construction using smart technologies in Korea*



**Eugen Brühwiler, Prof. em. Ph.D.,
P.E.,**

Swiss Federal Institute of Technology (EPFL)
Lausanne, Switzerland

Presentation Title: *Current developments in Europe in rescuing existing bridges with UHPC*

Keynote Speakers



Atorod Azizinamini, PhD, PE,
Professor, Director, Infrastructure Research and
Innovation, FIU

**Presentation Title: *3D printing
with concrete***



Mark A. Finlayson, PhD,
Professor, Computing and Information
Science, FIU

**Presentation Title: *What is
Artificial Intelligence, and
Why Should Bridge Engineers
Care?***



**Benjamin A. Graybeal, Ph.D,
P.E.,** U.S. Federal Highway Administration

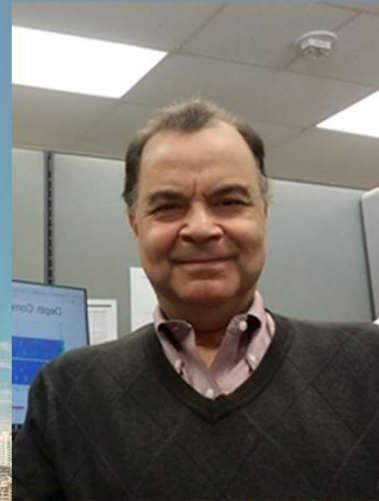
**Presentation Title: *Solutions
that Move the Needle***

Keynote Speakers



John R. Hillman, PE, SE,
Structural Engineering Director,
Kiewit Engineering Group, Inc.

Presentation Title: Circular
Evolution of Bridge Project
Delivery



Frank Jalinoos, Coating and
Corrosion Laboratory, (FHWA)
Turner-Fairbanks Highway
Research Center

Presentation Title: Foundation
Reuse in ABC Projects



Danielle Whitlow, Ph.D, P.E.,
U.S. Army Engineer Research
and Development Center (ERDC)

Presentation Title: Adapt and
Overcome: The Challenges to
Military Engineering

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Registration is Now Open

Take advantage of early bird registration rate

<https://abc-utc.fiu.edu/registration/>

Reserve your hotel room while available

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

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Opportunities are available to Exhibit

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

Travel Scholarships are available

For U.S. State and County Bridge Engineers. Use link below to apply

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

2024 World Bridge Engineering Conference

Hilton Hotel, December 11, 12 and 13, 2024, Miami FL

Workshop – Utilizing UHPC for Upgrade/Retrofit/Repair of Bridges

Instructor: Eugen Brühwiler, Lausanne, Switzerland

Wednesday Evening – Reception and Entertainment



Upcoming Events

ASBI - American Segmental Bridge Institute

**Seminar - Construction Practices for Segmental
Concrete Bridges**

June 27-28, 2024

Denver, CO

For more information and registration: <https://asbi-assoc.org/learn/2024-construction-practices-seminar/>

Or contact; info@asbi-assoc.org

Upcoming Events

**Canadian Assoc for Earthquake Engineering and Seismology
and Carleton University**

4th International Bridge Seismic Workshop

August 11-14, 2024

Ottawa, Ontario

For more information and registration: <https://carleton.ca/4ibsw/registration/>

Upcoming Events

ACMA –

American Composites Manufacturers Association

CAMX –

Composites and Advanced Materials Expo

September 9, 2024 – September 12, 2024

San Diego, California

For more information and registration: <https://www.thecamx.org/>

Or contact John Busel: jbusel@acmanet.org

Upcoming Events

ASBI - American Segmental Bridge Institute

**36th Annual Convention and
Committee Mtgs**

**October 20-23, 2024
Atlanta, GA**

For more information and registration: www.asbi-assoc.org/events/

Or contact; info@asbi-assoc.org

Next Monthly Webinar



Thursday, July 18, 2024 – 1:00-2:15 p.m. Eastern
(Certificate of Attendance provided)

Featured Presentation:

Thirty Span Bridge Slide over the Gila River on SR 79 in Arizona

by

Robert Ringwald, P.E., S.E., Senior Project Manager, Associated Vice President
AECOM; **Christopher Labye, P.E.**, Senior Bridge Engineer, Technical Quality
Auditor, AECOM

Mark Your Calendar!

Quarterly Research Seminar

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

Featured Project:

Comprehensive Decision Support Tool for ABC Considering Social Equity

by

Ali Ebrahimian, Ph.D., Assistant Professor, Principle Investigator;
Nasim Mohamadiazar, MS, Graduate Student
ABC-UTC at Florida International University

Mark Your Calendar!



In-Depth Web Training



Tuesday, September 10, 2024 – 11:00-3:15 p.m. Eastern

(Certificate of Attendance provided)

Innovations in Ultra-High Performance Concrete

Presenters will include:

**Atorod Azizinamini, Ph.D., P.E., Florida International University;
Benjamin Greybeal, Ph.D., P.E., FHWA;
Eugen Brühwiler, Ph.D., P.E., Swiss Federal Institute of Technology;
Sam Fallaha, P.E., Virginia Department of Transportation**

Mark Your Calendar!



In-Depth Web Training

Tuesday, September 10, 2024 – 11:00-3:15 p.m. Eastern

Innovations in Ultra-High Performance Concrete

Modules will include:

UHPC Shotcrete

3D Printing Utilizing UHPC

UHPC Overlays for Bridge Deck Rehabilitation

UHPC Design Examples

Updates on the Structural Design Specification Guidance

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