

Welcome to Monthly Webinar on Accelerated Bridge Construction

RIDOT's Glenbridge Avenue Bridge Replacement Using Lateral Slide & SPMTs

Sponsored by

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



Website: abc-utc.fiu.edu

Email: abc@fiu.edu

April 20, 2023 – 1:00 p.m. to 2:15 p.m. Eastern



Today's Monthly Webinar



ABC Announcements

(10 minutes)

Featured Presentation

(35-40 minutes)

RIDOT's Glenbridge Avenue Bridge Replacement Using Lateral Slide & SPMTs

by

John W. Preiss, P.E., PMP, State Bridge Engineer, Rhode Island Department of Transportation; and **Michael P. Culmo, P.E.**, Chief Bridge Engineer, CHA Consulting, Inc.

Question and Answer Session

(15+ minutes)

Please post your questions in the question box

Innovative Bridge Technologies / Accelerated Bridge Construction University Transportation Center (IBT/ABC-UTC)

USDOT Tier 1 UTC – Awarded 2023-2029

Research Priority:

Improving the Durability and Extending the Life of Transportation Infrastructure

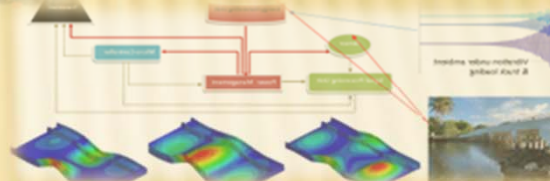
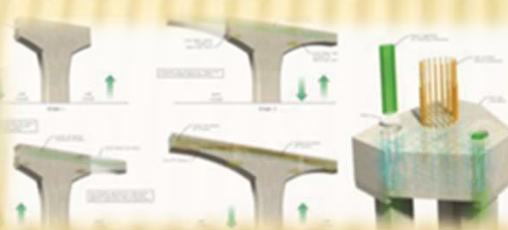
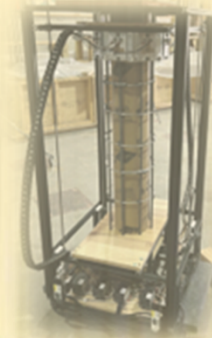
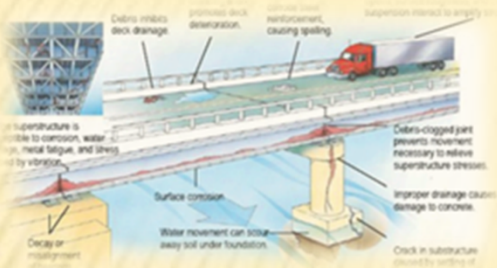
Lead: Florida International University

Consortia Members:

Florida A&M University
Texas A&M University
University of Georgia
University of Nevada, Reno
University of Oklahoma
University of Washington



Innovative Bridge Technologies / Accelerated Bridge Construction University Transportation Center (IBT/ABC-UTC) – Awarded 2023-2029



Next Generation of Asset Management System

Digital Twin

Artificial Intelligence

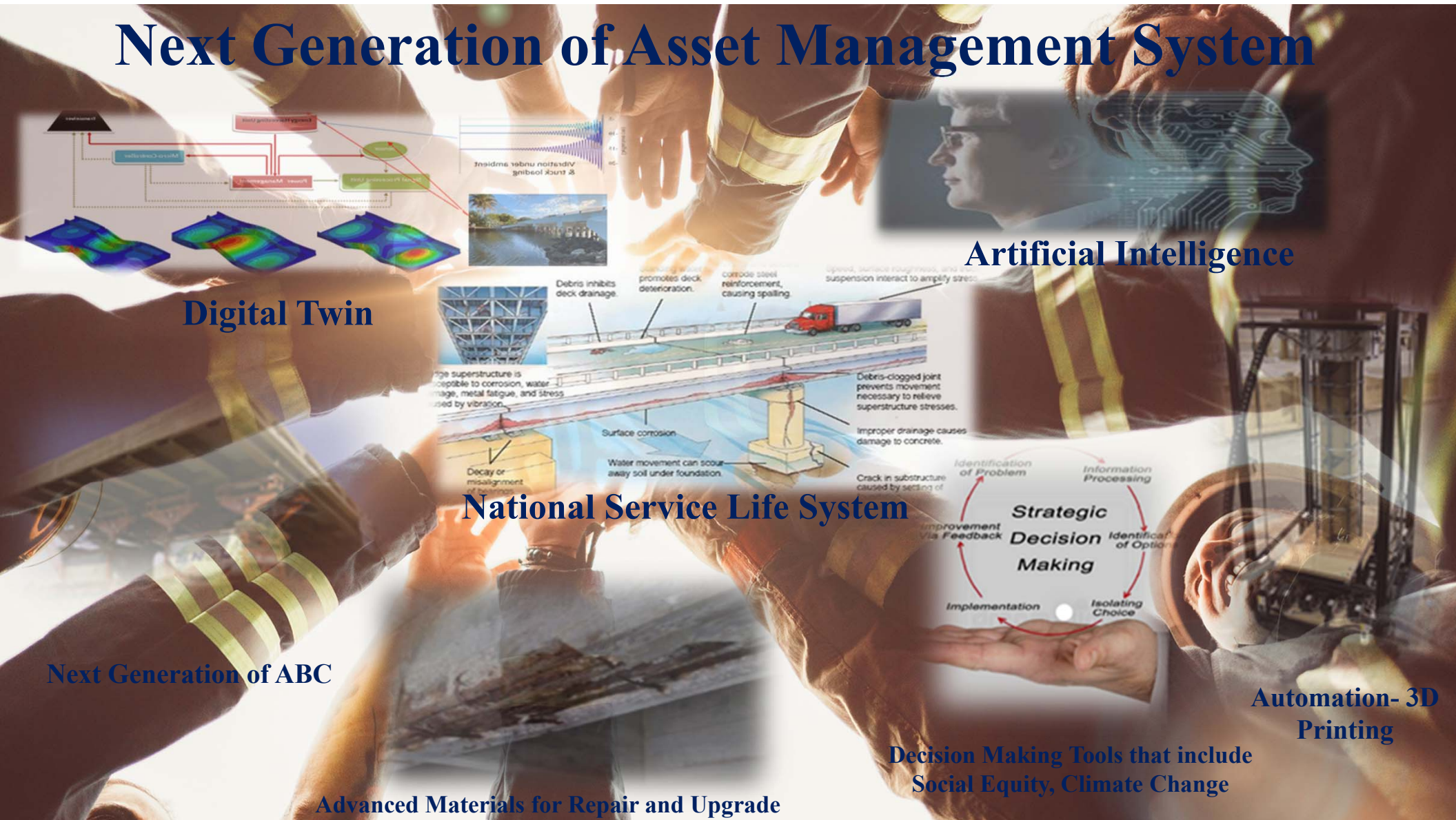
National Service Life System

Next Generation of ABC

**Automation- 3D
Printing**

**Decision Making Tools that include
Social Equity, Climate Change**

Advanced Materials for Repair and Upgrade



Call for Abstracts and Presentations

IRF Global R2T Conference – Phoenix, AZ

November 14-17, 2023

Sponsored by International Road Federation (IRF)

<https://www.irf.global/>

Abstract (250-word max) Submission Deadline: April 24, 2023

<https://www.irf.global/event/r2t23-phoenix/#tab-1-2-call-for-papers>

FHWA EDC-6 Webinar: UHPC for Bridge Preservation and Repair – Latest Research and Innovations



Wednesday, April 26, 2023

12:00-1:30 p.m. Eastern

Life-Cycle Costs Analysis of RC and UHPC Bridge Decks Exposed to Regional Environmental Conditioning	Prof. Matthew Bandelt, New Jersey Institute of Technology
Retrofitting Beams and Columns Using UHPC	Prof. Atorod Azizinamini, Florida International University
Enhancing the Fatigue Resistance of Steel Bridge Decks Using UHPC Overlays	Prof. Yi Bao, Stevens Institute of Technology
UHPC Repair of Deteriorated Steel Beam Ends	Prof. Alexandra Hain, University of Connecticut
Strengthening Conventional Concrete Beams with UHPC	Prof. George Morcous, University of Nebraska-Lincoln

To pre-register for this Zoom webinar:

https://usdot.zoomgov.com/webinar/register/WN_M0_-0uf2RPC_kT7zOmC_6w

For more information on EDC-6 UHPC for Bridge Preservation and Repair:

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_6/uhpc_bridge_preservation.cfm

Upcoming Events

ASBI Monthly Webinars for 2023:

Incremental Launching of Concrete Segmental Bridges

Wednesday, April 26

Electronically Isolated Tendon Pilot Project - SH146 in Kemah, Texas

Wednesday, May 31

1:00 - 2:00 p.m. Eastern for All Webinars

PDH Certificates Will be Issued to Attendees

2023 ASBI Grouting Certification Training

Monday, April 24

In-Person at the Commons Center, J.J. Pickle Research Campus, Austin, TX

2023 ASBI Seminar on Construction Practices for Segmental Concrete Bridges

Thursday - Friday, August 17 - 18

Hotel Fontenot, New Orleans, LA

For more information: <https://www.asbi-assoc.org>

Upcoming Events

PTI Certification:

Level 1 and Level 2 Multistrand and Grouted Post-Tensioning Specialist
Certification Training

June 7-9, 2023

Embassy Suites by Hilton Miami International Airport

September 13-15, 2023

Embassy Suites by Hilton Scottsdale Resort

November 15-17, 2023

Austin, Texas. Hotel Information coming soon.

For more information: <https://www.post-tensioning.org/certification/fieldpersonnelcertification/2023certificationweeks.aspx>

Upcoming Events

PTI Convention

April 30 - May 3, 2023

JW Marriott Marquis Miami
Miami, Florida

For more information: <https://www.post-tensioning.org/events/convention/2023convention.aspx>

Upcoming Events

PCI Committee Days Conference

October 4 - 8, 2023

J.W. Marriott

Tampa, Florida

For more information: https://www.pci.org/PCI/News-Events/PCI_Events.aspx



North American Pultrusion Conference

Downtown Chicago | May 16 – 18, 2023

Advancing Structural Design Using Pultrusion Technology

Hosted by



Why attend?



- Presentations from industry leaders from around the globe
- Important information about today's standards and design specifications
- Forecasts and models on industry trends
- New and innovative applications and technologies
- Guidance on sustainability goals

Register online at acma.today/pultrusion23



Exhibits & sponsorships are available!

Contact John Catapano, ACMA Sr. Manager, Exhibits, Sponsorships, Advertising, to explore all available options.



jcatapano@acmanet.org



703.795.7271

Quarterly Research Seminar

Friday, April 28, 2023 – 1:00-2:15 p.m. Eastern

(Certificate of Attendance provided)

Featured Project:

Integrated Flood and Socio-Environmental Risk Analysis for Prioritizing ABC Activities

by

Ali Ebrahimian, Ph.D., Principal Investigator; and Nasim

Mohamadiazar, Ph.D. student

ABC-UTC / Florida International University, Miami

Register at: <https://abc-utc.fiu.edu/>



Next Monthly Webinar



Thursday, May 18, 2023 – 1:00-2:15 p.m. Eastern

(Certificate of Attendance provided)

Featured Presentation:

ABC of Detroit's Network Tied Arch Using SPMTs

by

Mike LaViolette, P.E., P.Eng., National Bridge Practice Leader, HDR; **Matt Longfield, P.E., S.E.**, Michigan Bridge Section Leader, HDR; and **John Belcher, P.E.**, State Bridge Construction Engineer, Michigan Department of Transportation

Mark your Calendars!

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