Welcome to Monthly Webinar on Accelerated Bridge Construction

Foundation Reuse for Highway Bridges

Sponsored by

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

Website: abc-utc.fiu.edu
Email: abc@fiu.edu

March 28, 2019 – 1:00 p.m. to 2:00 p.m. Eastern
Today’s Monthly Webinar

ABC Announcements (10 minutes)
Featured Presentation (35 minutes)

Foundation Reuse for Highway Bridges

Frank Jalinoos, Research Engineer, Office of Infrastructure R&D, Federal Highway Administration (FHWA); and Anil Agrawal, P.E., Professor, The City College of New York (CCNY)

Question and Answer (15 minutes)

Please post your questions in the question box
2019 INTERNATIONAL ACCELERATED BRIDGE CONSTRUCTION CONFERENCE:
Including Automation, Service Life and Ultra High Performance Concrete (UHPC)

December 11-13, 2019
Miami, FL

www.abc-utc.fiu.edu
Exhibit at 2019 Conference
Reserve Your Booth Today

INTERNATIONAL ACCELERATED BRIDGE CONSTRUCTION CONFERENCE:
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December 11-13, 2019
Miami, FL

To reserve your exhibit booths:
visit www.ABC-UTC.fi.edu
State DOT, county engineers, and other bridge owners interested in receiving travel scholarships can apply online at:

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

Required information includes (1) name and affiliation, (2) job title, (3) reason attending the Conference, and (4) whether you are planning to use ABC in the near future
Call for Award Nominations

https://abc-utc.fiu.edu/conference/award-nominations/

Award Categories:
- Most Influential Person Contributing to the Development and Implementation of ABC Technologies and Projects
- Best ABC Project in the following categories:
  - Lateral Slide Technology
  - Self-Propelled Modular Transporters
  - Prefabricated Bridge Elements and Systems
  - Emergency

Judges:
- Ahmad Abu-Hawash, Iowa DOT, Chair
- Romeo Garcia – FHWA
- Sam Fallaha – Florida DOT
- Bruce Johnson – Oregon DOT
- Bijan Khaleghi – Washington State DOT
- William Oliva – Wisconsin DOT

- Submit nomination online
- Submission deadline: September 15, 2019
Keynote Speakers – General Session

Secretary of Transportation Elaine L. Chao (Invited)

Congressman Mario Diaz-Balart (Invited)
Keynote Speakers – General Session

European Experiences and Latest Development in Ultra High Performance Concrete (UHPC)

Eugen Brühwiler, Ph.D., Dr Structural Engineer, Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland

Design of Bridges for Service Life and Upcoming AASHTO Guide

Bruce Johnson, P.E., Oregon State Bridge Engineer and Vice Chair of AASHTO Committee on Bridges and Structures
Keynote Speakers – General Session

AASHTO LRFD Guide Specifications for ABC

Michael P. Culmo, P.E., Chief Technical Officer, CME Associates, Inc.

Robotics and Automation: International Perspective

Atorod Azizinamini, Ph.D., P.E.
Florida International University
ABC-UTC Non-Proprietary UHPC Mix

Mix will be introduced during 2019 Conference – All-day pre-conference workshop

Project Advisory Panel

- Paul Froede, Alabama DOT
- Jason Hastings, Delaware DOT
- Ahmad Abu-Hawash, Iowa DOT
- Jessen Mortensen, Nevada DOT
- Walt Peters, Oklahoma DOT
- Bruce Johnson, Oregon DOT
- Tanarat Potisuk, Oregon DOT
- Rob Young, Vermont DOT
- Bijan Khaleghi, Washington State DOT
- Romeo Garcia, FHWA
ABC-UTC Non-Proprietary UHPC Mix

- Please send an email to aazizina@fiu.edu, if you are interested in participating in the project as “Friend” of project

- As “Friends” of project, you will be kept informed of the project progress
Call for Abstracts

IRF Global R2T Conference – Las Vegas, NV
November 19-22, 2019

Sponsored by International Road Federation (IRF)
https://www.irf.global/

Conference tracks include:
Accelerated Bridge Construction
(Note: Paper not required)

Abstract Extended Submission Deadline: April 5, 2019
https://www.irf.global/event/grc19-lasvegas/#tab-1-2-call-for-abstracts
Call for Abstracts

Third International Bridge Seismic Workshop (III IBSW) – Seattle, WA
October 1-4, 2019

Organized by IABEE with co-hosts, Tongji University, University of Washington, and Washington State DOT

Invited topics include:
Seismic Design Details for ABC

Abstract Submission Deadline: April 29, 2019

Submit to: Workshop secretary generals, Dr. Helen Xu at yanxu@tongji.edu.cn or Linda Kuo at lkuo@iabee.org
Call for Suggested Topics/Speakers

2019 ASBI 31st Annual Convention – Orlando, FL
November 4-6, 2019
Sponsored by American Segmental Bridge Institute (ASBI)
http://www.asbi-assoc.org/

Call for Suggested Topics / Speakers
  ➢ Submission Deadline: April 26, 2019

Obtain nomination form at:
http://www.asbi-assoc.org/index.cfm/events/31st-annual-convention

Email completed form to: gfreeby@asbi-assoc.org with cc to ingrid@asbi-assoc.org
Call for Entries

2019 ASBI Bridge Awards of Excellence
Sponsored by American Segmental Bridge Institute (ASBI)
http://www.asbi-assoc.org/

Bridges opened to the public or dedicated between January 1, 2017 and August 1, 2019

Submission Deadline: June 3, 2019
https://www.asbi-assoc.org/index.cfm/events/31st-annual-convention

For more information, contact:
Gregg Freeby at gfreeby@asbi-assoc.org
Call for Abstracts and Session Proposals

2020 Structures Congress – St. Louis, MO
April 5-8, 2020
Sponsored by ASCE/Structural Engineering Institute (SEI)
http://www.structurescongress.org/

Call for Abstracts and Session Proposals
Deadline: June 5, 2019
https://2020.structurescongress.org/program/call-proposals
Upcoming Events

2019 Grouting Certification Training – Austin, TX
Monday, April 8, 2019
Sponsored by American Segmental Bridge Institute (ASBI)
https://www.asbi-assoc.org/

Online registration:
https://www.asbi-assoc.org/content/grouting/grouting/registration.cfm

For more information:
https://www.asbi-assoc.org/index.cfm/grouting/training
Upcoming Events

PCINE Spring 2019 Workshops: Best Practices for Precast Concrete Bridge Construction

Sponsored by Precast/Prestressed Concrete Institute Northeast Chapter (PCINE)
https://www.pci.org/pcine/

Dates: April 18, 23, 30; May 7, 14, 15
Locations: CT, ME, NY, MA, NH, VT

Online registration:
https://www.eventbrite.com/e/pcine-best-practice-workshop-tickets-57012354487

For more information, contact:
Rita Seraderian - contact@pcine.org
Upcoming Events

**TRB Webinar:** A Simplified Full-Depth Precast Concrete Deck Panel System

Tuesday, April 30, 2019 (1:00 – 2:30 p.m. Eastern)

Sponsored by Transportation Research Board (TRB)

[https://www.trb.org](https://www.trb.org)

Features research from NCHRP 12-96, Final Report 895:
Simplified Full-Depth Precast Concrete Deck Panel Systems

**Online registration:**
ABC-UTC WD Activities

Engineering First!
• Customizable lesson plans for K-5 students
• Short daily lessons for four weeks

Available at:
https://abc-utc.fiu.edu/education/engineering-first/
ABC-UTC WD Activities

Engineering First! Teacher Workshops
Summer 2019 workshops in Reno (NV) and Seattle (WA)

Past workshop in Miami, FL (2018)
Resource developed in Ames, IA

https://abc-utc.fiu.edu/education/activities-outreach/
ABC-UTC WD Activities

Interested in Engineering First?

ENGINEERING FIRST

The national emphasis on STEM education will have long-lasting, positive impacts upon future generations. Unfortunately, K-5 teachers already have many demands placed upon them and the creation of new classroom modules and materials can sometimes be a daunting task. The Accelerated Bridge Construction University Transportation Center (ABC-UTC) has partnered with the West Marshall School District to develop, refine, and disseminate a customizable set of lesson plans for up to four weeks that focuses on the fundamentals of engineering and the engineering process. The module has been developed with the following performance expectations in mind:

- Ability to ask questions, make observations, and gather information to define a problem that can be solved using engineering processes.
- Ability to develop simple sketches, drawings, or physical models to help understand how function may be used to solve a given problem.
- Ability to analyze data to solve a problem including comparing the strengths and weaknesses of various alternatives.

Download Curriculum

https://abc-utc.fiu.edu/education/engineering-first/

For more information, contact David Garber (dgarber@fiu.edu)
ABC-UTC
Quarterly Research Seminar
Friday, April 26, 2019 – 1:00-2:00 p.m. Eastern

Integral Abutment Details for ABC Projects, Phase II

Travis Hosteng, Principal Investigator
Austin Dejong, M.S. Student

ABC-UTC / Iowa State University

Register at: https://abc-utc.fiu.edu
ABC-UTC
Semi-Annual Research Day
Tuesday, May 7, 2019 – 11:00 am-3:30 p.m. Eastern
2019 Research Day 1

Mark Your Calendars!
ABC-UTC
2019 In-Depth Web Training

Tuesday, September 10, 2019
11:00 a.m. to 3:00 p.m. Eastern

Latest Seismic ABC Applications

Six 40-minute modules

Mark Your Calendars!
Next Monthly Webinar

Thursday, April 18, 2019 – 1:00-2:00 p.m. Eastern

Featured Presentation

Caltrans’ 2017 Pfeiffer Canyon Bridge Emergency Replacement

by

Tom Ostrom, P.E., State Bridge Engineer, Caltrans;
Neil Weller, P.E., Bridge Construction Engineer, Caltrans;
and David Galarza, P.E., Structures Representative, Caltrans

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