

# **Welcome to Webinar on Accelerated Bridge Construction**

## **Incorporating Proprietary Products in ABC Projects**

**Sponsored by**

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

**Florida International University**



**Website: [abc-utc.fiu.edu](http://abc-utc.fiu.edu)**

**Email: [abc@fiu.edu](mailto:abc@fiu.edu)**

**April 16, 2015 – 1:00 p.m. to 2:00 p.m. Eastern**

# Today's Webinar

**ABC Announcements** (10 minutes)

**Featured Presentation** (35 minutes)

## **Incorporating Proprietary Products in ABC Projects**

**John Huyer, P.E., Contract Administration  
Engineer, FHWA Office of Infrastructure; &  
Dale Peabody, P.E., Director of Transportation  
Research, Maine DOT**

**Question and Answer** (15 minutes)

**Please post your questions in the question box**



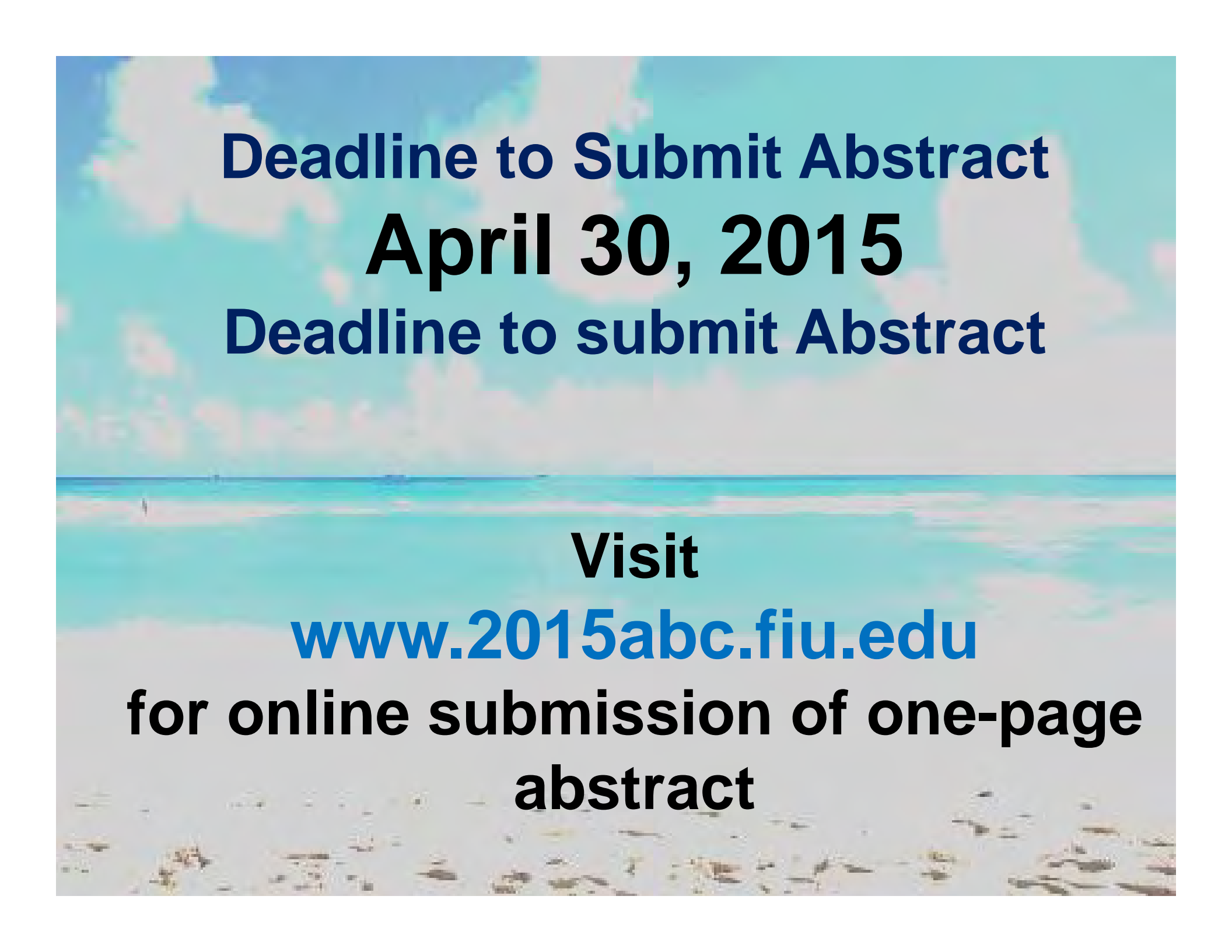
# **2015 National Accelerated Bridge Construction Conference**

**December 7-8, 2015**

**Sunday, December 6 – Pre-Conference Workshops**

**Hyatt Regency, Miami, Florida**

**[www.2015abc.fiu.edu](http://www.2015abc.fiu.edu)**



**Deadline to Submit Abstract**  
**April 30, 2015**  
**Deadline to submit Abstract**

**Visit**

**[www.2015abc.fiu.edu](http://www.2015abc.fiu.edu)**

**for online submission of one-page  
abstract**



# Conference Co-Sponsors To Date

## 30 States are Co-Sponsors

Federal Highway Administration  
Alabama Department of Transportation  
Alaska Department of Transp. & Public Facilities  
Arizona Department of Transportation  
California Department of Transportation  
Colorado Department of Transportation  
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Florida Department of Transportation  
Georgia Department of Transportation  
Illinois Department of Transportation  
Iowa Department of Transportation  
Kansas Department of Transportation  
Louisiana Department of Transportation  
Michigan Department of Transportation  
Minnesota Department of Transportation  
Nebraska Department of Roads  
Nevada Department of Transportation

New Jersey Department of Transportation  
New Hampshire Department of Transportation  
New York State Department of Transportation  
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South Carolina Department of Transportation  
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Tennessee Department of Transportation  
Texas Department of Transportation  
Utah Department of Transportation  
Vermont Agency of Transportation  
Virginia Department of Transportation  
Washington State Department of Transportation  
Wisconsin Department of Transportation  
National Concrete Bridge Council (NCBC)  
National Steel Bridge Alliance (NSBA)

**To co-sponsor, send email to Atorod at: [aazizina@fiu.edu](mailto:aazizina@fiu.edu)**

# ABC Conference Awards Deadline Sept 15, 2015

- ABC Award Categories:
  - **Best ABC Projects**
  - **Most Influential Person**
- Visit [www.2015abc.fiu.edu](http://www.2015abc.fiu.edu)
  - for nomination forms
  - for list of 2014 winners

# Hotel Reservations

**A block of rooms at the Miami Hyatt Regency, at a special Conference rate, is now available**



[www.2015abc.fiu.edu](http://www.2015abc.fiu.edu)

# Call for Award Nominations

## 2015 Design-Build Project / Team Awards

Sponsored by the Design-Build Institute of America

<http://www.dbia.org>

- Completed and opened after March 31, 2012
- Completed under a single point of responsibility contract
- Completed on or ahead of schedule
- Completed within budget & with no claims or litigation
- Project met or exceeded owner expectations

**Submission Deadline:** May 29, 2015

<http://www.dbia.org/awards/Pages/Project-Team-Awards.aspx>

For more information, contact: [awards@dbia.org](mailto:awards@dbia.org)



# Upcoming Events

## **2015 Western Bridge Engineers' Seminar – Reno, NV**

September 9-11, 2015

Sponsored by FHWA & the Transportation Departments of Alaska, Arizona, California, Idaho, Nevada, Oregon and Washington

**Call for Presentation Abstracts Deadline: April 24**

<http://www.westernbridge.net>

# Upcoming Events

## **SHRP2 Solutions: Innovative Bridge Designs for Rapid Renewal (R04)**

### **Regional Peer-to-Peer Exchange Workshop**

Marriott at Cal Expo, 1782 Tribute Road, Sacramento, CA

May 19, 2015 – open to bridge owners only

May 20, 2015 – open to all

**Free registration deadline:** May 5, 2015

<https://fs6.formsite.com/Mrussell/form92/index.html>

**For more information:** [Jennifer.Smoker@ch2m.com](mailto:Jennifer.Smoker@ch2m.com)

# Upcoming Events

## **2015 International Bridge Conference – Pittsburgh, PA**

June 7-11, 2015

Sponsored by Engineers' Society of Western Pennsylvania

<http://www.eswp.com/bridge/>

**Early Bird Registration Deadline:** May 8, 2015

<https://www.eswprepage.com/bridgeReg.aspx>

### **ABC Sessions:**

- ABC I – Tuesday, June 9, 8:30 am – noon
- ABC II – Wednesday, June 10, 1:30 – 4:00 pm



# Upcoming Events

## 2015 International Bridge Conference – Pittsburgh

### ABC-related Workshops, Wed.-Thurs., June 10-11:

- W-1, *Slide-In Bridge Construction* – Wed. pm
- W-4, *ABC using Geosynthetic Reinforced Soil* – Thurs. am
- W-6, *Retrofitting & Service Life Extension of Bridge Structures using FRP Composites* – Thurs. am
  - 2 ABC-related FRP composites presentations on retrofits to existing bridges for pedestrian walkways
- W-9, *ABC Implementation Products from ABC-UTC Research* – Thurs. pm



# Please visit [abc-utc.fiu.edu](http://abc-utc.fiu.edu)

- Research Projects
- Education
- Technology Transfer
- Resources
- Events
- News

Send suggestions to Mary Lou Ralls:  
[ralls-newman@sbcglobal.net](mailto:ralls-newman@sbcglobal.net)



## Resources

The ABC-UTC is a resource center for ABC-related materials. Check the left menu for available information.

State DOT Websites

SHRP2  
Implementation

TRB ABC  
Subcommittee

FHWA

Industry

Related Links

Search

### Upcoming Events

April 19 - 23, 2015  
2015 AASHTO Subcommittee and Structures Meeting – Saratoga Springs, NY

April 21 - 23, 2015  
International Infrastructure Technology Summit – Shanghai, China

April 23 - 25, 2015  
2015 Structure Summit – Portland, OR

April 24, 2015  
Call for Presentations – Abstracts-Submissions

- State DOT Websites
  - SHRP2
  - Implementation
  - TRB ABC Subcommittee
  - FHWA
  - Industry
  - Related Links

*Resources — State DOT Websites*

Iowa DOT

**Accelerated Bridge Construction**

**Innovative Bridge Research and Construction/Deployment (IBRC/IBRD) Program**

Massachusetts DOT

**Accelerated Bridge Program**

**LRFD Bridge Manual, Part III - Prefabricated Elements**

Oregon DOT

**Bridge Design & Drafting Manual, Section 3.24, ABC Guidelines**

Texas DOT

**ABC online standards** include prestressed decked slab beams, prestressed slab beams, prestressed box beams, precast bent caps, and prestressed partial-depth deck panels

Utah DOT



http://abc-utc.fiu.edu/index.php/resources/state-dot-

abc-utc.fiu.edu



## (2) WSDOT 2015 ABC Workshop - April 2015 - Tumwater, WA

### Program

- Session 1 Presentations: Big Picture for ABC

Ben Beerman, FHWA — *"ABC National Perspective"*

Mary Lou Ralls, Ralls Newman, LLC — *"Resources Available through the ABC University Transportation Center"*

Chuck Prussack, Old Castle — *"Overview of ABC Projects in the PNW"*

Bijan Khaleghi, WSDOT — *"New Developments in Accelerated Bridge Design and Construction in Washington State"*

- Session 2 Presentations: Research & Development

John Stanton, University of Washington — *"A Bridge Bent System Deigned for Rapid Construction and Superior Seismic Performance"*

Atorod Azizinamini, Florida International University — *"ABC-UTC Research Activities for Development of Steel Bridge Systems for Seismic Areas"*

Saiid Saiidi, University of Nevada at Reno — *"Novel Materials and Concepts for ABC in Moderate and High Seismic Zones"*

George Ghush, Structural Component Systems — *"Rapid Column Systems Overview and Design Guide"*

- Session 3 Presentations: Case Studies

Bala Sivakumar, HNTB — *"Using the SHRP2 ABC Toolkit"*





http://abc-utc.fiu.edu/index.php/resources/shrp2-im

abc-utc.fiu.edu

State DOT Websites



SHRP2  
Implementation

TRB ABC  
Subcommittee

FHWA

Industry

Related Links

## Resources — SHRP2 Implementation

SHRP2 implementation information is available on AASHTO's [SHRP2 Solutions website](#).

### [SHRP2 R04, "Innovative Bridge Designs for Rapid Renewal"](#)

For the latest details on implementation of the research products, see [AASHTO's R04 website](#).

The **R04 Toolkit** describes standardized approaches to designing and constructing complete bridge systems for rapid renewal.

For general information on the original research project, see [TRB's R04 web page](#).

### [SHRP2 R07, "Performance Specifications for Rapid Renewal"](#)

The [research final report and implementation guidelines](#) are available.

For general information on this research project, see [TRB's R07 web page](#).

### [SHRP2 R09, "Guide for the Process of Managing Risk on Rapid Renewal Contracts"](#)

The **Guide and three electronic tools** (rapid renewal risk management planning template, the hypothetical project using risk management planning template, and the user's guide for risk management planning template) are available.

# Procedure for Issuing Certificates of Attendance

- Procedure is automated
- Any site registered for this webinar will receive a notification email for your response
  - Click on the link to obtain a certificate
  - For multiple participants at your site, also click the second link and provide first name, last name, & email address for each participant
  - Each participant will receive an automatic email with link to print individual certificate

# Next Webinar

Thursday, May 21, 2015 (1:00 – 2:00 p.m. Eastern)

## Featured Presentation

# Boeing North Bridge in Washington State

by

**Gregory A. Banks, P.E., Project Engineer,  
BergerABAM**

To register, visit: [www.abc-utc.fiu.edu](http://www.abc-utc.fiu.edu)



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