

MAIN AGENDA

DAY 1 (WEDNESDAY, DECEMBER 8, 2021)				
Time	Presenter	Country	Moderator	Title/Description
WELCOME AND KEYNOTE TALK				
9:00-9:10	Atorod Azizinamini	U.S.A.		Welcome by ABC-UTC
9:10-9:20	Carmen Swanwick	U.S.A.	Atorod Azizinamini	Welcome and National ABC Perspective Update
9:20-9:30	Congressman Mario Diaz-Balart	U.S.A.	Atorod Azizinamini	Remarks by U.S. Congressional Representative
9:30-9:40	Congressman Carlos A. Gimenez	U.S.A.	Atorod Azizinamini	Remarks by U.S. Congressional Representative
9:40-10:00	Firas Sheikh Ibrahim	U.S.A.	Atorod Azizinamini	U.S. Department of Transportation
UHPC BASED ABC SOLUTIONS				
10:00-10:30	Eugen Brühwiler	Switzerland	Carmen Swanwick	Keynote Talk: UHPC Bridge Deck Overlays and Beyond
10:30-10:50	Jordy Eduardo Padilla	U.S.A.	Carmen Swanwick	The First Ultra High Performance Concrete (UHPC) Bridge Deck Overlay on a Major Suspension Bridge in the United States
10:50-11:10	Scott W. Muzenski	U.S.A.	Carmen Swanwick	Interface Shear Behavior of Ultra-High Performance Concrete
11:10 - 11:12	VIDEO DOUBLE DIAMOND			
11:12 - 11:15	ENTERTAINMENT			
11:15 - 11:35	Zachary Haber	U.S.A.	Carmen Swanwick	UHPC for Bridge Preservation and Repair: State of the Practice in the United States
11:35 - 12:05	Laurent Boiron	Switzerland	Cheryl Hersh Simmons	Keynote Talk: UHPC Field Applications in Switzerland
12:05- 12:25	AWARDS			

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Time	Presenter	Country	Moderator	Title/Description
12:25-12:55	VISITING EXHIBITORS IN THE EXHIBITOR HALL			
INNOVATIVE PREFABRICATED BRIDGE ELEMENT AND SYSTEM SOLUTIONS				
12:55 - 1:25	Peter Collin	Sweden	Cheryl Hersh Simmons	Keynote Talk: Composite Bridges with Prefabricated Deck Elements
1:25 - 1:45	Huijun Shen	China	Cheryl Hersh Simmons	Segmental Prefabrication and Assembly Technology and Construction Monitoring of Box Girder with Corrugated Steel Webs of Jiangxinzhou Yangtze River Bridge in Nanjing
1:45 - 2:05	Hao Dai	China	Cheryl Hersh Simmons	Installation and Construction Technology of Offshore Prefabricated Piers and Abutments in Xiamen Second Channel
2:05 - 2:25	Andrew Martin Myles	Switzerland	Cheryl Hersh Simmons	Design and Construction of Prefabricated Bridge Replacement Enabling Continuous Passage of Trains
2:25 - 2:27	VIDEO DIAMOND			
2:27 - 2:30	ENTERTAINMENT			
2:30 - 2:50	Zhihua Xiong	China	Mary Lou Ralls Newman	Structural Performance of Prefabricated MVFT Continuous Girder Bridge
2:50 - 3:10	Atorod Azizinamini	U.S.A.	Mary Lou Ralls Newman	Extending Span Length of Folded Steel Plate Girder Bridge System
3:10 - 3:30	Logan Mullaney	Australia	Mary Lou Ralls Newman	Fires to Floods, InQuik's Accelerated Bridge Construction Program to Replace 20 Bridges Impacted by Natural Disasters
3:30 - 3:35	ENTERTAINMENT			
3:35 - 3:55	Changsu Shim	South Korea	Mary Lou Ralls Newman	DFMA for Prefabricated Bridges Using Digital Engineering Models
3:55 - 4:15	Michael Barker	U.S.A.	Mary Lou Ralls Newman	Accelerated Construction of Short Span Steel Bridges
4:15 - 4:45	Liang Zhou	China	Mary Lou Ralls Newman	Engineering Practice and Research of Prefabricated Bridges in China
5:00 - 6:00	RECEPTION			

DAY 2 (THURSDAY, DECEMBER 9, 2021)				
Time	Presenter	Country	Moderator	Title/Description
HIGH-SPEED RAIL AND VIADUCT ABC SOLUTIONS				
9:00 - 9:30	Gongyi Xu	China	Ahmad Abu-Hawash	Keynote Talk: Bridge Systems and Accelerated Bridge Construction Applications in the Chinese High-Speed Rail Network
9:30 - 9:50	Miguel Ortega Cornejo	Spain	Ahmad Abu-Hawash	Development of Accelerated Bridge Construction procedures for the Spanish High Speed Railway Composite Viaducts
9:50 - 10:10	Miguel Ortega Cornejo	Spain	Ahmad Abu-Hawash	Accelerated Bridge Construction of Concrete Box Girder Viaducts in the Spanish High Speed Railway Lines with the Use of Mobile Scaffolding System
10:10 - 10:40	Theodore P. Zoli	U.S.A.	Ahmad Abu-Hawash	Keynote Talk: Accelerated Bridge Construction for Long Span Bridges and Viaducts
10:40 - 10:42	VIDEO DOUBLE DIAMOND			
10:42 - 10:45	ENTERTAINMENT			
PROJECT DELIVERY AND SAFETY				
10:45 - 11:15	Tristan McDonnell Joost Schlebaum	U.K./ Netherlands	Mal Kerley	Keynote Talk: Building Information Modeling (BIM) for Transportation Infrastructure: The Future of Project Delivery and Asset Management
11:15 - 11:35	Kevin Scott McAlister	U.S.A.	Mal Kerley	I-24 Bridge Replacements CM/GC Project
11:35 - 11:55	Smita Sharma	U.S.A.	Mal Kerley	Prioritizing Safety and Mobility in Accelerated Bridge Construction Work Zones
11:55 - 12:15	Sébastien Verger Leboeuf	Canada	Mal Kerley	ABC Bridges in a Remote Area - Little Long Dam Safety
12:15 - 1:05	VISITING EXHIBITORS IN THE EXHIBITOR HALL			

DAY 2 (THURSDAY, DECEMBER 9, 2021)				
Time	Presenter	Country	Moderator	Title/Description
ABC CASE STUDIES				
1:05 - 1:35	Michael P. Culmo	U.S.A.	Mary Lou Ralls Newman	Keynote Talk: Development of ABC Resources for Implementation of ABC in the United States
1:35 - 1:55	Patrick Gallagher	U.S.A.	Mary Lou Ralls Newman	Bone River Bridge, An Obscure Data Point Worth Considering
1:55 - 1:57	VIDEO DIAMOND			
1:57 - 2:00	ENTERTAINMENT			
2:00 - 2:20	Pak Ki So	U.S.A.	Mary Lou Ralls Newman	Innovative Design and Accelerated Construction Techniques for the Long Island Rail Road Expansion Project
2:20 - 2:40	William A. Geschrei	U.S.A.	Mary Lou Ralls Newman	Superstructure Modules at Bridges 3-155 N&S over Broadkill River, Sussex County, DE
2:40 - 3:00	Kumar K. Ghosh	U.S.A.	Mary Lou Ralls Newman	Reconstruction of Main Street Overcrossing
3:00 - 3:05	ENTERTAINMENT			
ABC RESEARCH AND CASE STUDIES				
3:05 - 3:35	Waseem Dekelbab	U.S.A.	Shoukry Elnehal	Keynote Talk: NCHRP Solving Transportation Challenges Through Research
3:35 - 3:55	Michelle Helsel	U.S.A.	Shoukry Elnehal	Thixotropic UHPC Overlays Bond Performance: A FHWA Research Update
4:15 - 8:45	WORKSHOP – SEE PAGE 58 FOR FULL WORKSHOP SCHEDULE			

DAY 3 (FRIDAY, DECEMBER 10, 2021)				
Time	Presenter	Country	Moderator	Title/Description
UHPC BASED INNOVATIONS AND SOLUTIONS				
9:00 - 9:50	Benjamin A. Graybeal	U.S.A.	Atorod Azizinamini	Keynote Talk: Bridge Design with UHPC and a Path Forward
9:50 - 10:10	Michael D. McDonagh	U.S.A.	Atorod Azizinamini	UHPC Repair of Steel Columns in the Walnut Tunnel in Philadelphia
10:10 - 10:30	Michael D. McDonagh	U.S.A.	Atorod Azizinamini	Innovative UHPC Mixing and Placing Techniques for Repair of Three Illinois Bridges
10:30 - 10:32	VIDEO DOUBLE DIAMOND			
10:32 - 10:35	ENTERTAINMENT			
ABC SEISMIC SOLUTIONS				
10:35 - 11:05	Bijan Khaleghi	U.S.A.	Paul Liles	Keynote Talk: ABC Trends and Practices in Seismic Regions
11:05 - 11:25	Sabina Piras	New Zealand	Paul Liles	A Low-Damage Dissipative Controlled Rocking Column Solution for Accelerated Bridge Construction (ABC) in Seismic Regions
11:25 - 11:45	Ge Wang	China	Paul Liles	Technology Development of Concrete Filled Steel Tubular Composite High Pier and Its Application in Strong Earthquake Area
11:45 - 12:05	Jiyan Zhang	China	Paul Liles	Investigation and Verification on Seismic Performances of Precast Bridge Columns with New Type of Pedestal Connections
12:05 - 12:55	VISITING EXHIBITORS IN THE EXHIBITOR HALL			
12:55 - 1:25	Dorie E. Mellon Jay Holombo	U.S.A.	Paul Liles	Keynote Talk: Caltrans Accelerated Bridge Construction Manual
3D PRINTING AND AUTOMATION IN ABC				
1:25 - 1:45	Zhang Ai Min	China	Giovanni Tambelini	Application of Intelligent Manufacturing in the Modern Prefabrication Beam Yard
1:45 - 1:47	VIDEO DIAMOND			
1:47 - 1:50	ENTERTAINMENT			
1:50 - 2:10	Atorod Azizinamini	U.S.A.	Giovanni Tambelini	3D-Printng of UHPC Shells for Bridge Element using Section Printing
2:10 - 2:30	Caizhi Sun	China	Giovanni Tambelini	Construction of Wenchuan Keku Bridge
2:30 - 3:00	Mike Schlaich	Germany	Giovanni Tambelini	Keynote Talk: Acceleration Versus Beauty? The Role of Prefabrication in Bridge Construction
3:00 - 3:05	ENTERTAINMENT			
3:05 - 3:25	Hu Xu Dong	China	Giovanni Tambelini	Bridge Erecting Equipment in China
3:25 - 3:55	Bala Sivakumar	U.S.A.	Giovanni Tambelini	Keynote Talk: ABC-US Experience from Consultant Viewpoint and Opportunities
4:15 - 6:15	WORKSHOP – SEE PAGE 58 FOR FULL WORKSHOP SCHEDULE			