

2020 ABC-UTC RESEARCH DAY 2
Friday, November 6, 2020
AGENDA
(ABC-UTC 2016 CYCLE 3 PROJECTS)

FLORIDA INTERNATIONAL UNIVERSITY (LEAD)		
NAME OF PI	Project	Time
DR. ARMIN MEHRABI	Welcome by ABC-UTC Director of Research, Dr. Armin Mehrabi	10:00am-10:10am
DR. ARMIN MEHRABI	Alternative Materials and Configurations for Prestressed-precast Concrete Pile Splice Connection	10:10 am-10:30am
DR. MOHAMED ELZOMOR	Alternative Technical Concepts for Contract Delivery Methods in Accelerated Bridge Construction	10:30 am-10:50 am
DR. ATOROD AZIZINAMINI	Use of UHPC in Conjunction with Pneumatic Spray Application and Robotic for Repair and Strengthening of Culverts- Phase I	10:50 am-11: 10 am
DR. ATOROD AZIZINAMINI	Robotic Bridge Construction: Experimental Phase I	11:10 am-11:30 am
DR. ATOROD AZIZINAMINI	Automated MFL System for Corrosion Detection	11:30 am-11:50 am
DR. ATOROD AZIZINAMINI	UHPC Connection for SDCL Steel Bridge System	11:50 am-12:10 pm
DR. ISLAM MANTAWY	Work Zone Safety Analysis, Investigating Benefits from Accelerated Bridge Construction (ABC) on Roadway Safety	12:10 pm- 12:30 pm
DR. ISLAM MANTAWY	Prefabricated Barrier System Utilizing UHPC Connections	12:30 pm- 12:50 pm
DR. ISLAM MANTAWY	Rapid Repair and Retrofit of Timber Piles Using UHPC	12:50 pm- 1:10 pm
DR. LU ZHANG	Understanding Critical Impacting Factors and Trends on Bridge Design, Construction, and Maintenance for Future Planning	1:10 pm - 1:30 pm
DR. ARIF SADRI	Complex Networks Perspectives Towards Accelerated Bridge Construction (ABC)	1:30 pm - 1:50 pm

UNIVERSITY OF NEVADA, RENO

NAME OF PI	Project	Time
DR. ELNAZ SEYLABI	Quantitative Assessment of Soil-Structure Interaction (SSI) Effects on Seismic Performance Of Bridges With ABC Connections	1:50 pm - 2:10 pm
DR. HAMED EBRAHIMIAN	Investigating the Potential Applications of Elastomeric Polymers (Such As Polyuria And Polyurethane) For Accelerated Bridge Construction And Retrofit	2:10 pm - 2:30 pm
DR. MOHAMED MOUSTAFA	Application of Methacrylate Polymers for Seismic ABC Connections	2:30 pm - 2:50 pm

UNIVERSITY OF OKALHOMA

NAME OF PI	Project	Time
DR. SHIMA MOHEBBI	Development of User-Friendly Tools and Decision-Making Algorithms For Service Life Design Of ABC Bridges	2:50 pm - 3:10 pm
DR. ROYCE FLOYD	Service Life Design Guidance for UHPC Link Slabs	3:10 pm - 3:30 pm

UNIVERSITY OF WASHINGTON

NAME OF PI	Project	Time
DR. MARC EBERHARD	Design Guidelines for ABC Column-To-Drilled-Shaft Foundation Connections in Seismic Zones	3:30 pm - 3:50 pm
DR. DAWN LEHMAN	Economic Pier-To-Pile Connections for Permanently Cased Shaft (CFST) Piles	3:50pm-4:10 pm

IOWA STATE UNIVERSITY

NAME OF PI	Project	Time
DR. JUSTIN DAHLBERG	Investigation of The Efficacy of Helical Pile Foundation Implementation in Accelerated Bridge Construction Projects – Phase I	4:10 pm - 4:30 pm
DR. KATELYN FREESEMAN	Multi-Span Lateral Slide Laboratory Investigation: Phase 1	4:30 pm-4:50 pm

DR. ARMIN MEHRABI	Wrap up by ABC-UTC Director of Research	4:50 pm-5:00 pm
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