



2022 ABC-UTC RESEARCH DAY 2
November 9, 2022
TENTATIVE AGENDA
(ABC-UTC RESEARCH PROJECTS)

FLORIDA INTERNATIONAL UNIVERSITY (LEAD)		
NAME OF PI	Project	Time
DR. ARMIN MEHRABI	Welcome by ABC-UTC Director of Research, Dr. Armin Mehrabi	10:00 am - 10:10am
AMER AWWAD	Development of Rapid In-Situ Testing for Concrete Deck Durability	10:10 am - 10:30 am
DR. ALI EBRAHIMIAN	A Comprehensive Decision Support Tool for Accelerated Bridge Construction Considering Social Equity	10:30 am - 10:50 am
DR. ATOROD AZIZINAMINI	Development of Accelerated Bridge Construction Handbook (ABC Handbook)	10:50 am -11:10 am
DR. KENNETH G. FURTON	Use of Canines as a Corrosion Detection Device	11:10 am - 11:30 am

UNIVERSITY OF OKLAHOMA		
NAME OF PI	Project	Time
DR. JEFFERY VOLZ	Innovative Multi-Hazard-Resistant Bridge Columns for ABC	11:30 am -11:50 am
DR. MATTHEW REYES DR. SOMIK GHOSH	Adoption and Implementation of Project Management Plans (PMPs) for ABC Projects: Benefits and Challenges	11:50 am - 12:10 pm
DR. SHREYA VEMUGANTI	Bond Behavior of Nano-Enhanced Polymer Concrete for Bridge Deck Overlays	12:10 pm - 12:30 pm

5-MINUTE BREAK	12:30 PM – 12:35 PM
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UNIVERSITY OF NEVADA, RENO

NAME OF PI	Project	Time
DR. FLORIANA PETRONE	Numerical Investigation of the Impact of Vertical Ground Motions on ABC Girder-to-Cap Connections in the Near-Field	12:35 pm - 12:55 pm
DR. MOHAMED MOUSTAFA	Shake Table Testing of Precast UHPC Bridge Column with ABC Seismic Connection	12:55 pm - 1:15 pm

UNIVERSITY OF WASHINGTON

NAME OF PI	Project	Time
DR. TRAVIS THONSTAD	Exploring the Combined Use of Distributed Fiber and Deformed Bar Reinforcement to Resist Shear Forces	1:15 pm - 1:35 pm
DR. JOHN STANTON	Developing Prestressed Concrete Girder Cross-Sections for Longer Spans and New Materials	1:35 pm - 1:55 pm

IOWA STATE UNIVERSITY

NAME OF PI	Project	Time
DR. JUSTIN DAHLBERG	Accelerated Construction of Pile Foundations by Means of Elimination	1:55 pm - 2:15 pm
DR. ZHENGYU LIU	Accelerated Construction of the Highway Steel Overhead Sign Truss (SOST) through the Implementation of U-Bolt Connections	2:15 pm - 2:35 pm

DR. ARMIN MEHRABI	Wrap up by ABC-UTC Director of Research	2:35 pm – 2:40 pm
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