



**2023 ABC-UTC RESEARCH DAY**  
**May 12, 2023**  
**TENTATIVE AGENDA**  
**(ABC-UTC RESEARCH PROJECTS)**

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

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

<b>5-MINUTE BREAK</b>	<b>12:30 PM – 12:35 PM</b>
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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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