



## IHEEP 2019 PRELIMINARY AGENDA

As of 05.29.19

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This is tentative agenda for the 2019 International Highway Engineering Exchange Program Conference in Asheville, NC September 8-12, 2019.

*This is a preliminary agenda for INFORMATIONAL PURPOSES ONLY.  
Not only is it subject to change it WILL Change before September 8, 2019.*

## Tentative 2019 International Highway Engineering Exchange Program Conference

Saturday, September 7, 2019 - **Conference setup and early arrivals**

1:00-1:30	Registration & Hospitality Room Setup	
1:30-2:00		
2:00-2:30	<i>Open Registration</i>	
3:00-5:00		<i>HEEP BOD MEETING</i>
5:30-7:00	Free Time, Dinner on your own	
7:00-12:00	Hospitality Room Open	

Sunday, September 8, 2019 - **Registration & Welcome to IHEEP 2019 Ice Breaker**

9:00-11:00	Morning Hike			
12:00-1:00	<i>Lunch on your own</i>			
1:00-2:30	Registration Open Til 4:30	SIG #1 - CADD	Sig#2 - Data Governance	Vendor Set Up
3:00-4:30		Sig #3 - UAVs	Sig#4 - Data Management	
5:00-5:30	<i>Load Buses for Icebreaker</i>			
5:30-6:00	<i>Travel to Highlands</i>			
6:00-8:30	<i>Ice Breaker at Highlands Brewery</i>			
8:30-9:00	Load Buses a to return to the hotel			
9:00 12:00	Hospitality Room Open			

**Monday, September 9, 2019 - Opening Day of IHEEP 2019**

7:00- 8:00	Breakfast
8:00-9:00	Welcome - introductions
9:00-10:00	Key Note Address-Fred Mills
10:00 - 10:30	break -networking
10:30-11:30	<i>Heep State Roll Call &amp; Reports</i>
11:30- 12:00	Vendor Recognition
12:00-1:00	<i>LUNCH</i>
1:00-1:30	After Lunch Keynote-FHWA BIM
1:30-2:30	Panel Discussion - NCDOT Technology Today with Jim Trogdon (NCDOT) & Eric Boyett (DIT) Alternatively, BIM Panel Discussion Depending on Participant availability.
2:30-3:00	Break
3:00-5:00	ESP Student Presentations
5:00-8:30	Vendor Hall Open
6:00-8:30	<i>Vendor Reception</i>
8:30-12:00	Hospitality room

Tuesday, September 10, 2019 - Breakout Sessions and Presentations

		Track One -BIM	Track Two CADD	Track 3 -UAS	Track 4 GIS- Information Tech	Track 5 – Construction Tech
7:00- 8:00	Breakfast					
8:00-8:30	Breakfast Keynote					
8:30-9:00	Vendor Hall Open	The History of BIM - A Civil Perspective – Steve Litzau, envisioned	Leadership Beyond the Software - Jen Jewett MTDOT & Bob Mechum - Envision CAD	Using UAS Data to Create Reality Model - J.D. Darville ALDOT	How Data is Improving Project Performance -Steve Jones construction.com	Bonner Bridge Then and Now Toni Gibbs (ESP), Tim Merrill (DIT Trans)
9:00-9:30		TBA		3D Pdfs and Reality Models - Terry Cline - InfoTech	Project Delivery Digitization - Julia Simo - VaDOT	
9:30-10:00		TBA	TBA	ALDOT Advancements in Photo Reality Modeling - Matt Taylor ALDOT	Creating our Digital Twin - Brad Adams Leica GeoSystems	Building the Bonner Bridge
10:00 - 10:30		BREAK - Networking	BREAK - Networking	BREAK - Networking	BREAK - Networking	BREAK - Networking
10:30-11:00		FHWA	Polk County Parkway Resurfacing Project: Design Development and Delivery Process for model-based design and construction - Gordon M. Greene, PE, Jason J. Christopher, P.E., Vern Danforth, FLDOT	NCDOT Drone Use	NCDOT Atlas	Auto-replenishment of salt using fixed cameras - David Boardman - Stockpile Reports
11:00-11:30		BIM vs. Digital Twin Jennifer Steen. WSP & Mo Harmon, Bentley	FDOT's cross-platform CADD Quality Control procedures and software. - Michael Roberson - FLDOT			Why didn't we think of that before the project began? - Jen Nelson, Dustin Rouse MnDOT TBA
11:30- 12:00			TBA	Understanding Blockchain Technology and the Myriad of ways it will Change Our Industry - Terry Walters & Matt Zweil, HW Lochner & Adequate Sys.		
12:00-1:00		LUNCH				

1:00-1:30		How 3D and 4D is being used for constructability and risk management -	Digitizing Your infrastructure Projects - Alura Roe, PlanGrid	TBA	ODOT's Virtual Highway Corridor - Christopher Harris (OrDOT)	TBA
1:30-2:00		FHWA	TBA		GIS-Based Unit Price Visualization and Estimation - Joseph Shrestha ETSU	
2:00-2:30		TBA	<i>Illinois Tollway 3D Modeling Initiative and Pilot Project - Laura Thompson, Nick Laga, Brad Hodor</i>	Drone Training in Real life - Phil Owen EnrGies	CLEAR - NCDOT	TBA
2:30-3:00		TBA				
3:00-3:30		BREAK - Networking	BREAK - Networking	BREAK - Networking	BREAK - Networking	BREAK - Networking
3:30-4:00		TBA	TBA	Using LiDAR to Survey 1000 Bridges in Kentucky		AASHTO Innovation Initiative - Alexa Mitchell (wsp) & John Wilkerson (MiDOT)
4:00-4:30		TBA	TBA	40 Times the Resolution of LiDAR: Multi-Lane Road Surface Mapping Using 3D Laser Triangulation -	TBA	
4:30-5:00		TBA	TBA	TBA	TBA	TBA
5:00 – 5:30	Free Time					
5:30 – 7:30	Board of Directors Dinner by Invitation only	<i>Bentley Special Interest Group Event 6:00 – 8:00</i>				
8:00-12:00	Hospitality Room Open					

**Wednesday, September 11, 2019 - Panel Discussions and Brewery Tours**

7:00- 8:00	Breakfast					
8:00-8:30	Breakfast keynote					
8:30-9:03	Emergency Response Panel Discussion					
9:30-9:45	<i>Break</i>					
9:45 - 10:45	Panel Discussion # 2 UAS Issues					
10:45-11:00	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>		
11:00-12:00	Panel Discussion #3 CADD Issues				11:30 – 4:15 Serria Nevada Brewery Tours	
12:00-1:00	<i>LUNCH</i>					
1:00-1:30	TBA	TBA	TBA	TBA		
1:30-2:00	TBA	TBA	TBA			
2:00-2:30	TBA	TBA	TBA	TBA		
2:30-3:00	<i>Break</i>					
3:00-3:30	TBA	TBA	TBA	TBA		
3:30-4:00	TBA	TBA	TBA	TBA		
4:00-5:30:	<i>Free Time</i>					
5:30-6:00	<i>Reception</i>					
6:00-8:30	<i>Conference Banquet, ESP Awards &amp; HEEP 2020 Invitation</i>					
8:30-12:00	Hospitality Room					

**Thursday, September 12, 2019 - SIGS part 2 and Conference Outing**

7:00- 8:00	Breakfast		
8:00-8:30	Breakfast Keynote		
8:30-9:00	Understanding Blockchain Technology and the Myriad of ways it will Change Our Industry -	Auto-replenishment of salt using fixed cameras - David Boardman - Stockpile Reports	DATA GOVERNANCE SIG (8:30-9:15)
9:00- 10:00	The Cloud is So Much More than Virtual Machines - Charles Engle, Google	TBA	DATA MGMT SIG (9:15-10:00)
10:00 - 10:30	<i>Break and Networking</i>	<i>Break and Networking</i>	<i>Break and Networking</i>
10:30 -11:30	Microsoft Hololens and Highway Engineering - Mark Hattersley, Bentley	TBA	UAS SIG (10:30 - 11:15)
11:30- 12:00	TBA	TBA	CADD SIG (11:15-12:00)
12:00-1:00	<i>LUNCH</i>		
1:00-8:00	Biltmore Outing and dinner		AutoDesk Transportation Advisory Board Meeting 1:00- 5:00 pm
8:30-12:00	Hospitality Room		