Track H: Aviation Planning & Operations

Monday, June 10, 2019 (Room: TBA)

Track Chair: Rich Thuma, Crawford, Murphy & Tilly

1:30 to 3:00 PM

Airside Planning for the Future of Aviation
Moderator: TBA

- Future Aircraft Configurations and their impact on Airport Planning, Yonglian “Liana” Ding, Boeing
- Understanding Go-Arounds from an Airside Planning Standpoint: Causes, Frequencies, Misconceptions, and Mitigations, William Dunlay, WJDunlay Consulting LLC, and Michael Hanowsky, LeighFisher Inc.
- Dynamic Evolution Analysis of Aviation Network in the Multiple-Airport-Systems of China, Xin Chen and Wiang Gao, Nanjing University
- Planning for Airport Airside Safety, Gael Lebris, WSP

3:30 to 5:00 PM

Airport Landside Planning: Multimodal Connections
Moderator: TBA

- Airport Cities: Urban Planning, Design, and Development Puzzle, Amiy Varma, North Dakota University
- Four Airport Megatrends Serving as Drivers of a Smart Resilient City – A Perfect Storm Rising: Rapid Mobility Transitions, Integration of New Energy Choices, Investments in Infrastructure Modernization, and Revenue Diversification, Josh Sperling, Alejandro Henao, Venu Garikapati, and Stan Young, NREL
- Access Planning for the New Mexico City International Airport, Ernest Choi and Daniel Barton, InterVISTAS

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1:30 to 3:00 PM

**Planning Airport Terminals for the Future of Air Transport**

Moderator: TBA

- Airport Passenger Terminals in Brazil - The Post-Privatization Era, Alex de Barros, University of Calgary
- Nashville International Airport (BNA) Modernization Vision: Building the Future, Connecting Nashville to the World, Robert Ramsey, Metro Nashville Airport Authority
- Atypical Approach for Making Airports More Resilient, Mark Nasr, Dima Jawad, and Daisy Sami, Notre Dame University
- Application of Emerging Technologies in the DFW Terminals, Mike Youngs, DFW Airport

3:30 to 5:00 PM

**Spaceports**

Moderator: TBA

- Managing Space Traffic: Is There a Sustainable Solution?, Diane Howard, Embry Riddle Aeronautical University
- Phased Infrastructure Development at Houston Spaceport, Brian Gulliver, Kimley-Horn
- Colorado Air and Space Port, David Ruppel, Colorado Air and Space Port
- Innovative Spaceport Financing, Elizabeth Evans, Reed Smith
Wednesday, June 12, 2019 (Room: TBA)

Track Chair: Rich Thuma, Crawford, Murphy & Tilly

9:15 to 10:45 AM  Unmanned Aerial Systems Operations In and Around Airports

Moderator: TBA

- Managing Unmanned Aircraft Systems in the Vicinity of Airports,
  Chrishanth Fernando, Booz Allen Hamilton

- eVTOL: The Future of On-Demand Air Transport, Tom Cornell, Landrum and Brown

- UAS Integration with Transportation Planning, Basil Yap, NCDOT

- System Design of eVTOL on-Demand Service for Multimodal Urban Mobility,
  Yu Zhang, University of South Florida

- FAA UAS Forecast, Dr. Dipsis Bhadra, Federal Aviation Administration

11:00 AM to 12:30 PM  New Technology Impacts on Airport Planning and Operations

Moderator: TBA

- Implementation of a GIS integrated Airport Pavement Management System,
  Vivek Khanna, HNTB

- The Accessible Age of Air Travel, Emerging Technologies, and Customer Experience,
  Christopher Blasie, Airlines for America

- Connected Airports (ACRP Study), Johanna Zmud, Texas A&M Transportation Institute

- How Automated Vehicles Will Impact Airports, Geoffrey Gosling, Aviation System Consulting; Daniel Barton, InterVISTAS

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