AIRPORT DESIGN PROJECT SHOWCASE
December 10th, 2019
UC Berkeley - Room 412 McLaughlin

Future Airport & Vertiport Designers Present:

10:00 AM: Analysis of Controller-Pilot Communication Messages with Natural Language Processing (NLP)
10:30 AM: Vertiport Capacity Modeling and Analysis
11:00 AM: Bird Strikes: Frequency, Safety, and Mitigation
11:30 AM: An Analysis of 400Hz Ground Power Utilization at SFO
11:50 AM: A New Airport Capacity Approach: Dynamic Runways for STOL Operations
12:30 - 2 PM: Lunch Break
2:00 PM: Improving Taxiway Operations with Big Data, Machine Learning, and Innovation Design
2:30 PM: Predicting the Ramifications of Perimeter Rule Relaxation on Flight Schedule at LaGuardia Airport
3:00 PM: Apron Operations, Airlines and Airport Cleaner Energy-Case Studies: CDG and ORY Airports
3:35 PM: Reducing Confusion between Taxiways and Runways on Final Approaches
4:00 PM: Impact of Climate Change on Aviation Industry
4:25 PM: Discussion
5:00 PM: Adjourn

HOSTED BY
CE 153: Airport Design
UC Berkeley Civil and Environmental Engineering Department