University of Colorado at Boulder

AEROSPACE ENGINEERING SCIENCES

Seminar

Data-Driven Analysis of the Resilience of the Air Transportation System

The air transportation network constitutes a critical infrastructure enabling the transfers of passengers and goods, with a significs aggregated trajectories to sector transitions. Their robustness can be quantified using network science techniques. From an operational perspective, mitigating the impact of severe disruptions on the air transportation network, but also on other transportation modes, is a key c along with improving the recovery process. The Asiana Crash at San Francisco International Airport in July 2013 is examined through a comprehensive case study. The perturbation resulting fro crash took different forms and varied in scale and time frames: cancellations and delays snowballe through the US airspace, highway traffic near SFO airport was impacted by

Biography:

Aude Marzuoli received a PhD in Aerospace Engineering from the Georgia Institute of Technology in May 2015, with a focus on Air Transportation, Network Optimization, Data Mining and