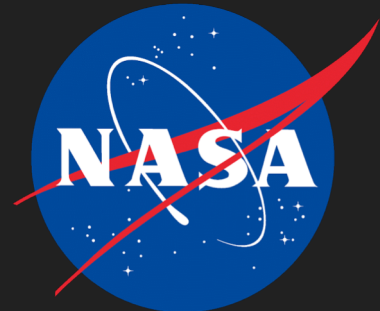


Aerodynamic Flow Quality in the National Full-Scale Aerodynamics Complex 80- by 120-Foot Wind Tunnel: Sensitivity to Upwind Blockage

Elizabeth Parker



Inherited project

Ariel Chitan- The University of the West Indies

Julia Daniels- Clemson University

Sarah Schoultz- The College of Idaho

Dorsa Shirazi- University of California-Irvine

Stephen Wright- University of Kentucky



My Office:



Risk Reduction Test

1. Simulating ambient winds
2. Mapping out airflow within test section
3. Manufacturing of Upstream Structures

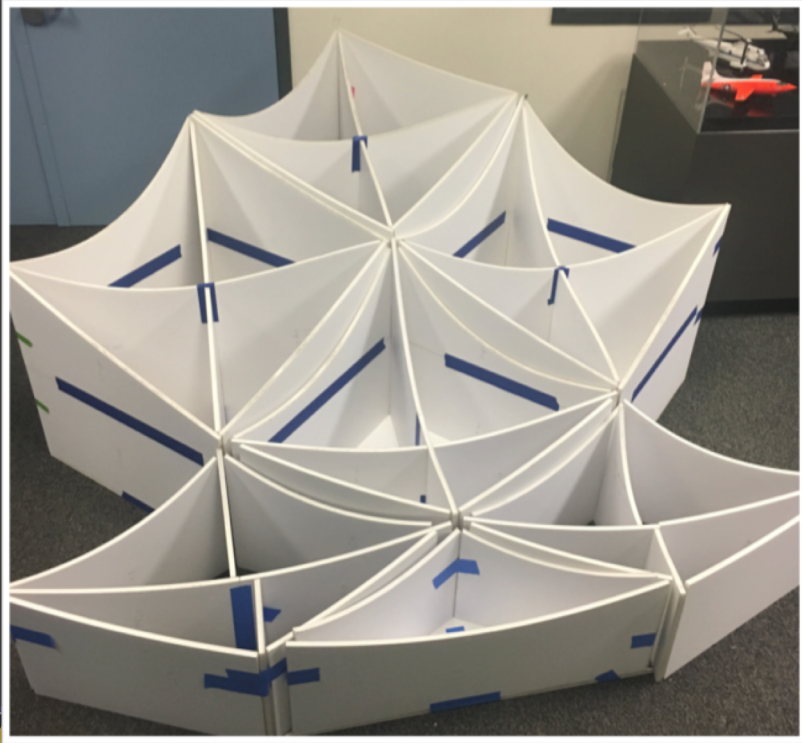
Simulated Ambient Wind Source



Airflow Mapping

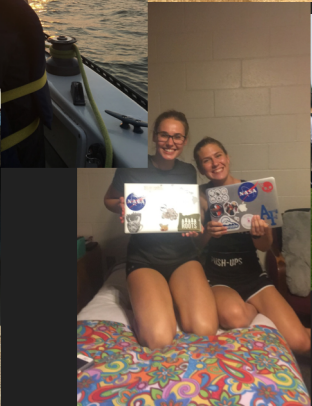


Manufacturing of Upwind Structures



Results!





Thank you to....

My parents for always supporting me, through the toughest of times.

Those at Aeromechanics who mentored me: Dorsa Shirazi, Haley Cummings, Alan Wadcock, and Barry Porter.

Bill Warmbrodt, Chief of Aeromechanics, for being a truly inspiring boss and pushing me past what I ever thought possible.

The Oregon Space Grant, without their support none of this would have been possible.



Questions?

