

# AePW-3: High Speed Working Group

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## Schedule

- Kickoff meeting scheduled for January 20, 2022 @ 4:00 PM CT
- Monthly meetings held 3<sup>rd</sup> Thursday of each month @ 4:00 PM CT
- Results due October 2022
- Formal workshop held in conjunction with SciTech 2023

## Format

- Workshop participation is “blind”
  - Experimental data not provided a-priori
  - Experimental data can be provided after submission of results
- Participants provided necessary inputs to generate fluid and structural models
- Two different configurations
  - Each has mandatory and optional cases

## Models

- Workshop cases allow for using multi-fidelity models
- Geometries are relatively simple
- Participants to build own meshes/models
- Meshing guidelines provided
- Mesh refinement studies required for CFD-based models

## Interested Participants

### Industry

- ATA Engineering
- Cradle-CFD
- Raytheon

### Government / National Labs

- AFRL
- DLR
- NASA
- India Inst Science
- Sandia

### Academia

- USAFA
- UNSW-Canberra
- NC State
- Duke Univ
- Ohio State
- Univ of Maryland
- Penn State
- Univ. of Illinois
- Univ of Newcastle
- Cal Tech