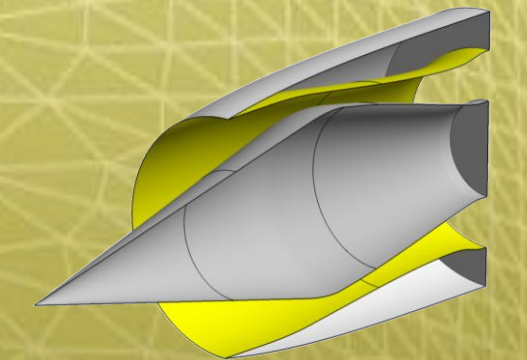
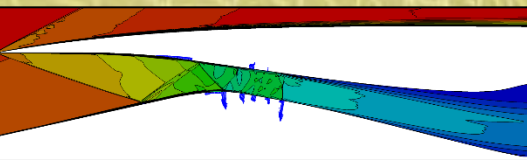
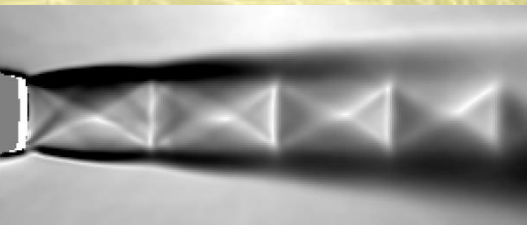
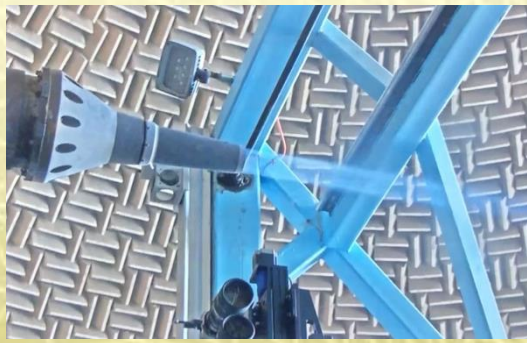




PAW-6

Organizing Committee:

Lt. Col. Darrell Crowe - USAF

Luiz Tobaldini - Embraer

Stuart Benton - AFRL

Pavlos Zachos - Cranfield University

Neal Domel - Lockheed Martin

Melissa Carter, Michael Bozeman
NASA Langley Research Center

Nick Georgiadis, Mark Wernet, John Slater
NASA Glenn Research Center

James Braun - Purdue

Brian Connolly - Southwest Research
Institute

Zach Davis - Northrop Grumman

Chad Winkler, Russ Thornock (retired)
The Boeing Company



6th AIAA Propulsion Aerodynamics Workshop

Sponsored by the Inlets, Nozzles & Propulsion
Systems Integration Technical Committee
and Air Breathing Propulsion Group

Workshop: January 21-22, 2023

AIAA SciTech
National Harbor, MD, USA

PAW Objectives:

- Assess the numerical prediction capability (meshing, numerics, turbulence modeling, high-performance computing requirements, etc.) of current-generation CFD technology/codes for inlets, diffusers, and nozzles and their propulsion-specific boundary conditions.
- Develop and enhance practical modeling guidelines and capabilities for CFD prediction of propulsion flow fields.
- Determine the elements of propulsion aerodynamics that are critical for modeling to enable the development of more accurate prediction methods and tools.
- Promote education and mentoring of the next generation of propulsion CFD engineers

General Information:

- Participation in the propulsion workshop studies is not required to attend the workshop; everyone is welcome.
- Open, unbiased forums are included in the workshop to discuss the results and promote cross-pollination of best practices.
- The PAW6 test cases will include supersonic hot round jet plumes and supersonic inlets with boundary layer bleed.
- Student scholarships (\$500) will be awarded to top student presentations as decided by the committee.
- Top presentations will be invited to submit papers for special conference session in 2024.

For more information, visit the PAW website:

<http://paw.larc.nasa.gov> or send email to:

aiaapaw@yahoo.com