



Welcome to DPW-8/AePW-4



Presentations & Agenda

<https://aiaa-dpw.org/saturday-dpw.html>

Today's Teams Link

<https://tinyurl.com/SaturdayDPW8>

25 Years of DPW Silver Anniversary Dinner

<https://www.aiaa-awards.org/a/solicitations/1586/home>



DPW-8

Opening Remarks



Brent Pomeroy

Configuration Aerodynamics Branch
NASA Langley Research Center
Emeritus Langley Associate
Co-Chair, DPW Organizing Committee

Ben Rider

High-Speed Aerodynamics
Boeing Commercial Airplanes
Co-Chair, DPW Organizing Committee



Teams Meeting

<https://tinyurl.com/SaturdayDPW8>

Presentations

<https://aiaa-dpw.org/saturday-dpw.html>



- Presentations available on the DPW website
<https://aiaa-dpw.org/saturday-dpw.html>
- Teams meeting link
<https://tinyurl.com/SaturdayDPW8>

- **Overview**

- “A Collaborative Approach to Multidisciplinary Drag & Aeroelasticity”
- Joint workshop – new structure
- Co-sponsored by Applied Aerodynamics Technical Committee and Structural Dynamics Technical Committee

- **Spirit of AIAA workshops**

- “Coopertition” – we cooperate, but we don’t want our results to be outliers
- Q&A is constructive, not destructive
- We must maintain a collaborative spirit amongst many organizations and be willing to share successes and shortcomings in pursuit of better answers

- **Schedule and presentations available online (link below)**

Presentations available online

aiaa-dpw.org/saturday-dpw.org

DPW Organizing Committee



Hadar Ben-Gida, Technion - Israel Institute of Technology

Pawel Chwalowski, NASA Langley Research Center

Stefan Keye, Deutsches Zentrum für Luft- und Raumfahrt (DLR)

Raj Nangia, Royal Aeronautical Society (RAeS)

Ilias Petropoulos, Office National d'Études et de Recherches Aéronautiques (ONERA)

Brent Pomeroy, NASA Langley Research Center, Co-Chair

Ben Rider, Boeing Commercial Airplanes, Co-Chair

Melissa Rivers, NASA Langley Research Center

Andrea Sansica, Japan Aerospace Exploration Agency (JAXA)

Bret Stanford, NASA Langley Research Center

Ed Tinoco, Retired from Boeing Commercial Airplanes

Chris Toomer, University of the West of England

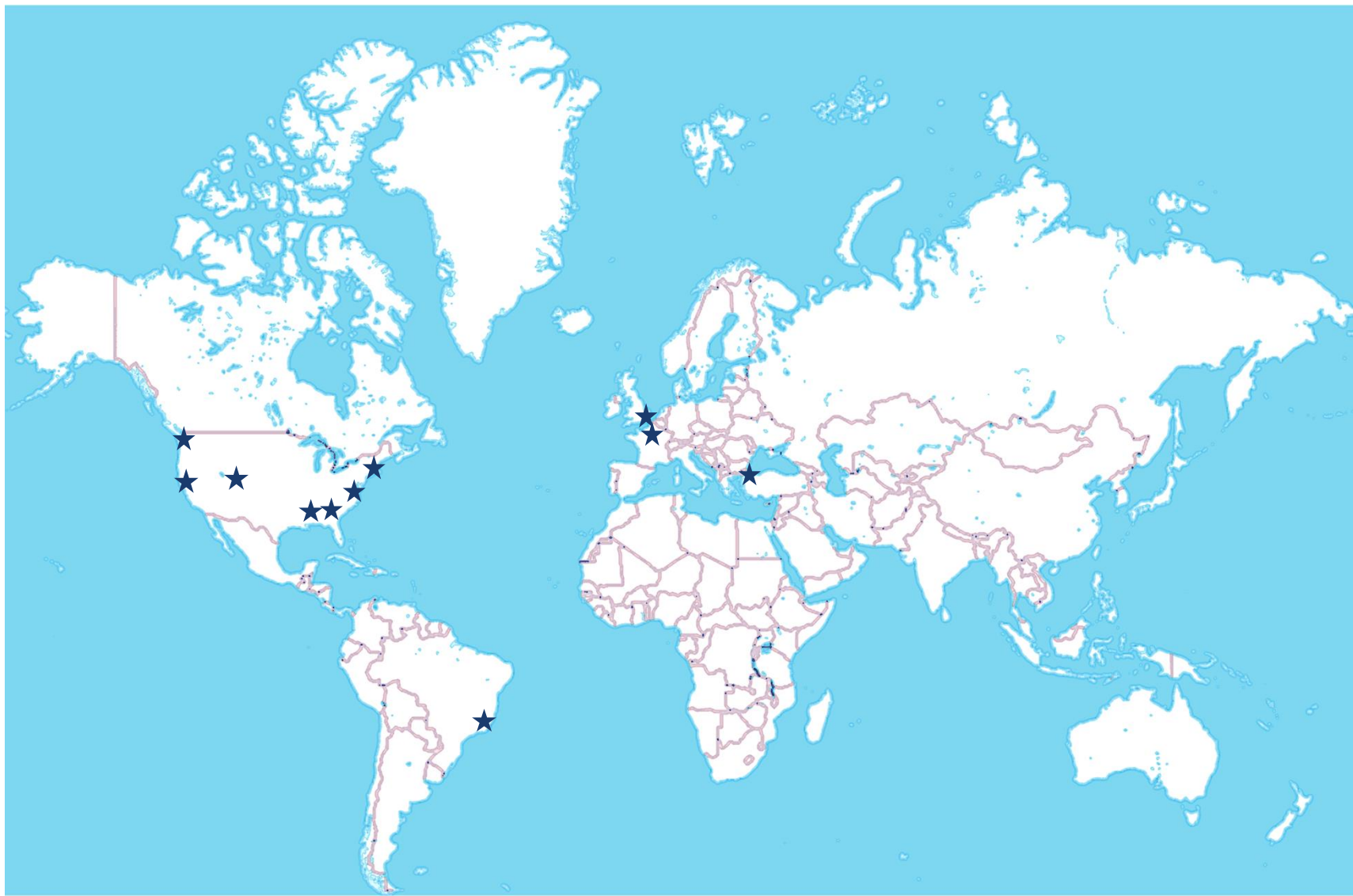
DPW-Aligned Working Group Leadership



Source: OpenStreetMap

Open source, subject to
Open Database License

DPW-Aligned Workshop Participants (Submitted)



Source: OpenStreetMap

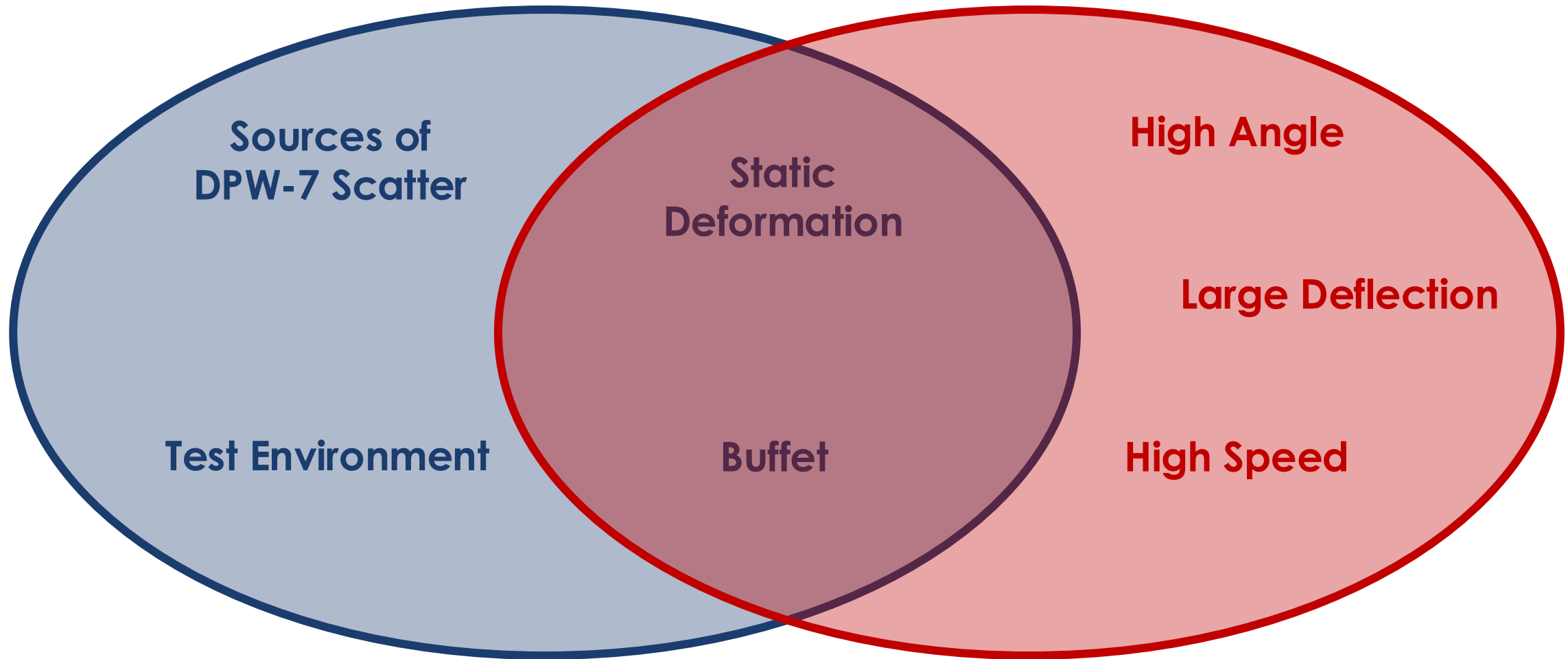
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- **DPW-VII expanded the envelope beyond cruise**
 - Surprising amount of scatter observed
 - Questions regarding test environment
 - Increased interest in post pitchup conditions
 - No clear desired focus for the next DPW, but interest was expressed
- **Hybrid workshop idea matured for many months prior to DPW-8 launch**
 - Pawel Chwalowski, NASA Langley
 - Brent Pomeroy, NASA Langley
 - Ben Rider, Boeing Commercial Airplanes
 - Bret Stanford, NASA Langley

- Co-host a workshop including both DPW and AePW
- Build upon the rich history of DPW and AePW
- Advance the state of the art within each individual community
- Mature understanding of coupled fluid-structure interaction
- Identify strengths and weaknesses of tools
- Develop and establish a model for interdisciplinary workshops
- Engage student participation

DPW

AePW



- **Saturday Morning**

- Committee-Supplied Grids
- Committee Retrospectives
- Source of DPW-VII Scatter Participant Presentations
- Lunch

- **Saturday Afternoon**

- Source of DPW-VII Scatter Committee Review Presentation
- Test Environment Participant Presentations
- Committee Review Presentation
- Open Discussion

- **Saturday Evening**

- 25 Years of DPW Dinner
- \$30... cheaper than anything else you can find
- Tacos, drinks, and cake

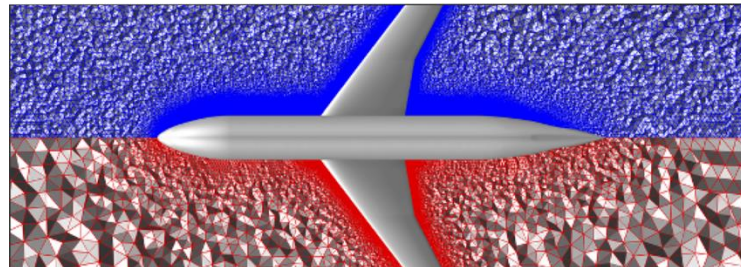
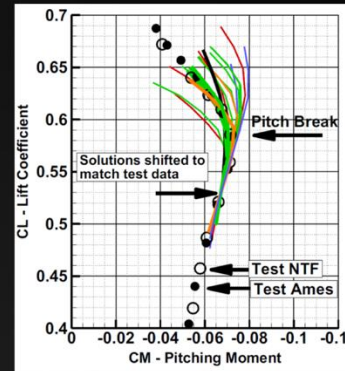
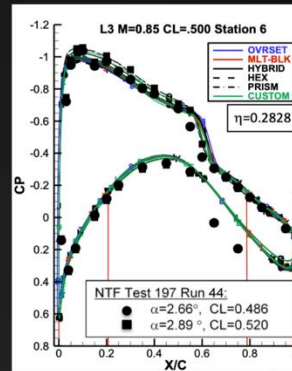
25 Years of DPW Silver Anniversary Dinner



DRAG PREDICTION WORKSHOP SERIES

25 YEARS OF DPW CELEBRATION DINNER

DPW-1 (2001): Laying the Foundation
DPW-2 (2003): Full Configuration Drag
DPW-3 (2006): Wing-Body Junction Interactions
DPW-4 (2009): Entrance of the Common Research Model
DPW-5 (2012): Common Grids and Separation Onset
DPW-6 (2016): Aeroelastics and Nacelle-Pylon Interactions
DPW-7 (2022): Expanding the Envelope
DPW-8 (2026): Collaborative Drag and Aeroelasticity



JUNE 6, 2026
SAN DIEGO, CA
HELD IN CONJUNCTION WITH DPW-8

DINNER RSVP IS SEPARATE FROM WORKSHOP REGISTRATION
(DPW-8 WORKSHOP REGISTRATION NOT REQUIRED FOR DINNER)

Diamond Sponsors



Platinum Sponsors



Silver
Sponsors



25 Years of DPW Silver Anniversary Dinner



Diamond Sponsors



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Silver Sponsors



- **Sunday**
 - Committee-Supplied Grids
 - Static Deformation Participant Presentations
 - Static Deformation Committee Review Presentation
 - Buffet Participant Presentations
 - Lunch
 - Buffet Participant Presentations
 - Committee Review Presentation
 - Open Discussion
- **CFD 2030 Grand Challenge Workshop Scoping and Development**
 - Wednesday, 3:30
 - APA-30/CFD2030-05
 - Harbor D