

## Workshop Presented by AIAA

Applied-Aerodynamics TC  
& Fluid-Dynamics TC

Organized by APA TC  
LFC-Discussion Group

### Organizing Committee:

Geza Schrauf (*Airbus, Ret.*)

Paul Vijgen (*Boeing, Ret.*)

Camli Badrya (*UC Davis*)

### Key Dates LFC Workshop:

Release Workshop Test Cases,  
Descriptions and Data Sets: by  
**15 May 2025**

Review & discuss Workshop  
Test Cases / Data Sets in  
Virtual Meeting: **12 June 2025**

Review Workshop Test Cases  
and Data Sets in LFC-DG  
Forum at **Aviation2025 &  
Virtual, Las Vegas: 22 July 2025**

Participant Workshop  
Registration: by **31 July 2025**

Participant abstract deadline  
for Aviation2026 Workshop  
(Optional): Early **Sept 2025**

Submission Participant's Test-  
Cases Results: by **24 Oct 2025**

Initial Workshop summary  
results - LFC Oral Session at  
**SciTech2026, Orlando, 6 - 10  
Jan 2026**

Workshop with Summary &  
Compiled Results -LFC Session  
at **Aviation2026, San Diego,  
8 - 12 June 2026**

# AIAA LFC Transition-Prediction Workshop 2025 – 2026



### Workshop Objectives:

- Assess transition-prediction tools for Laminar Flow Control (LFC) using simplified geometries with suction.
- Compare boundary-layer computations and stability methods (such as LST and PSE, as well as data-base approaches) for eN-transition prediction with suction.
- Compare and document results of boundary-layer and stability methods for suction LFC test cases.

### Three LFC Test Cases (with input data and descriptions) will be available:

1. Laminar boundary layer along a flat plate with suction.
2. Infinite-swept wing flow with prescribed suction.
3. Conical-swept wing flow with prescribed suction.

### General Information:

- The AIAA LFC Transition-Prediction Workshop is modeled after the AIAA CFD Transition-Modeling and Prediction Workshop (see <http://transitionmodeling.larc.nasa.gov>).
- Virtual discussions and Workshop Forums/Sessions are planned (including at SciTech2026 and at Aviation2026).
- AIAA membership is not required to submit test-case results.
- Workshop results will be available via summary report(s) and via the LFC Transition-Prediction Workshop website.

**For further information and to indicate intent to participate (by 31 July 2025), contact:**

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Visit <https://transitionmodeling.larc.nasa.gov/aiaa-lfc-workshop> for updates on LFC Workshop and Test Cases.