

## 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 Test Cases and Data  
Sets: by **18 July 2025**

Review Workshop Test Cases &  
Data Sets in LFC-DG during  
**Aviation2025, 22 July 2025**

Participants register for LFC  
Workshop participation with  
Organizers: by **22 Aug 2025**

(Optional) participants submit  
abstract Aviation2026 Workshop  
Session: **TBD Sept 2025**

Participants submit results  
from Test-Cases: before **31  
Oct 2025**

Status and preliminary  
Workshop results – LFC  
Invited Special Session (Joint  
APA/FD) at **SciTech2026, 6 –  
10 Jan 2026**

(Optional) Review Session with  
participants (virtual): **Late Feb  
2026 (TBD)**

Workshop Summary and  
Compiled Results - LFC Special  
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 results.
- Workshop results will be available via summary report(s) and via the [LFC Transition-Prediction Workshop website](http://transitionmodeling.larc.nasa.gov/aiaa-lfc-workshop).

**For further information and to indicate intent to participate** (by 22 Aug 2025), **contact:**

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