HiLiftPW Objectives:

• Assess the numerical prediction capability (meshing, numerics, turbulence modeling, high-performance computing requirements, etc.) of current-generation CFD technology/codes for swept, medium-to-high-aspect ratio wings for landing/take-off (high-lift) configurations.
• Develop practical modeling guidelines for CFD prediction of high-lift flow fields.
• Determine the elements of high-lift flow physics that are critical for modeling to enable the development of more accurate prediction methods and tools.
• Enhance CFD prediction capability for practical high-lift aerodynamic design and optimization.

General Information:

• HiLiftPW is patterned after the Drag Prediction Workshop (DPW) series. Participation in the high-lift prediction 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 HiLiftPW-3 test cases will include both the NASA High Lift Common Research Model (HL-CRM) and the Japan Aerospace Exploration Agency (JAXA) Standard Model (JSM) configuration. For the JSM model, a significant amount of high-quality surface and flow field data are available, including data for an assessment of nacelle installation effects.

For more information, visit the HiLiftPW website: [http://hiliftpw.larc.nasa.gov](http://hiliftpw.larc.nasa.gov) or send email to: hiliftpw@gmail.com