For Release:

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NASA–LANGLEY TO HOST TRANSONIC SYMPOSIUM

Significant advances have been made in computer hardware, theoretical and computational methods, applications, experimental facilities and testing techniques. These advances now provide NASA with capabilities in the transonic regime which were hardly envisioned six years ago.

Approximately 100 NASA, industry and university associates will gather at NASA’s Langley Research Center April 19–21 to assess the state of the art in the various transonic flow disciplines and take a glimpse of future directions. Emphasis will be placed on steady, three-dimensional, external, transonic flow and its simulation, both numerically and experimentally.

During the NASA Transonic Aerodynamics Symposium, papers will be presented on topics such as the National Transonic Facility; wind tunnel and flight experiments; airframe propulsion integration characteristics; application/validation of computational fluid dynamics for configuration, analysis and design; three-dimensional mesh generation; computational support of the X-29 advanced technology demonstrator flight experiment;
turbulence and modeling in transonic flows; compressible boundary-layer stability; and
instrumentation advances for transonic testing.

The three-day conference will be held in the Langley Activities Center, building 1222, beginning at 8 a.m. with a welcome by Dr. William F. Ballhaus, acting associate administrator for aeronautics and space technology at NASA Headquarters, Washington, D.C., and Richard H. Petersen, Langley director.
