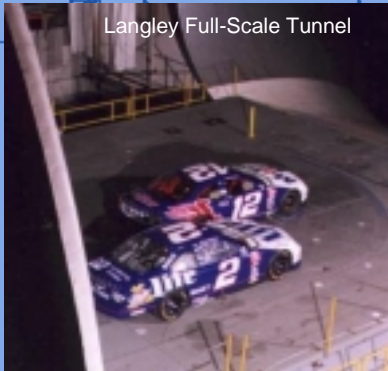




Center for Experimental Aeronautics

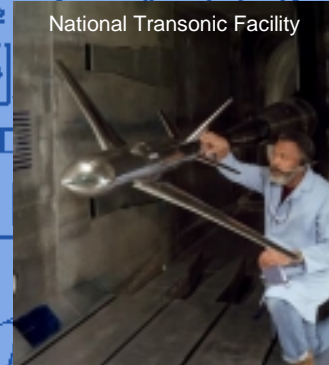
Old Dominion University announces the formation of the Center for Experimental Aeronautics (CEA), in partnership with NASA Langley Research Center, providing focused education in experimental aerodynamics, aerothermodynamics, acoustics, structures & controls



Langley Full-Scale Tunnel

Academic Programs

The core academic program will be the existing Master of Engineering in Experimental Methods, administered by the Department of Aerospace Engineering. In this program, students study at least two of the following three areas - aerodynamics, structural dynamics and controls, with emphasis on hands-on experiences. Individual research projects are also completed. A limited number of CEA students may opt for the more traditional Masters programs in Aerospace Engineering or Engineering Mechanics.



National Transonic Facility

Home Base

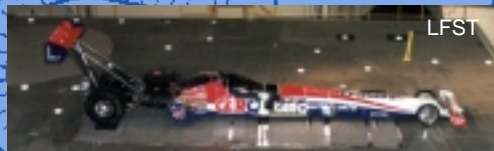
The Langley Full-Scale Tunnel (LFST) is the largest University-operated wind tunnel in the world; also the largest commercial facility. The LFST is heavily used by NASCAR race teams, for testing of UAVs, other aerospace vehicles, heavy trucks and buildings. The facility is located in the East area of NASA Langley Research Center, within Langley Air Force Base. Students will be based at the LFST and will receive training while working in support of LFST operations. As opportunities arise, students will be detailed to LaRC laboratories and facilities, to support specific test programs, develop specific skills, or to participate in experimental R&D efforts.

The Partnership with LaRC

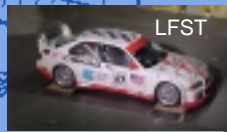
NASA Langley Research Center (LaRC) initiated a major effort to upgrade its wind tunnel facilities in 1997. The Wind Tunnel Enterprise (WTE) was formed to provide technical leadership and in-house training programs. The CEA will operate in close collaboration with the WTE, providing a broader range of programs as well as access to LaRC's range of world-class experimental facilities for CEA students



NASA LaRC Hypersonic Complex



LFST



LFST



Langley Full-Scale Tunnel

Graduate Assistantships

Opportunities exist for students with BS degrees in Aerospace or Mechanical Engineering, or similar fields, with interest in pursuing a Masters degree through the CEA. Annual stipends will be \$16,000, with supplements for excellent students. Students pay in-state tuition, currently \$185 per credit hour. Programs of study may concentrate on aerodynamics, aerothermodynamics, instrumentation, automotive, or other areas



NASA LaRC Unitary Wind Tunnel



LFST

Other Students

Co-Op opportunities exist for students pursuing Associates and Bachelors degrees. PhD level research programs may also be undertaken in connection with CEA or LFST activities

The Wright Stuff

A major test program of full-size replicas of Wright Brothers aircraft has started at the LFST, in collaboration with the Wright Experience & NASA Langley Research Center

More Information ? - www.lfst.com; www.aero.odu.edu; Dr. Colin P. Britcher, britcher@aero.odu.edu, 757-683-4916