



# Opportunities in Experimental Aerodynamics

Old Dominion University seeks enthusiastic students interested in joining new, rapidly expanding programs in experimental aerodynamics. The principal opportunities are at the Masters degree level. Activities will include aerodynamic testing of race cars, other road vehicles, UAVs, other aerospace vehicles, as well as instrumentation development



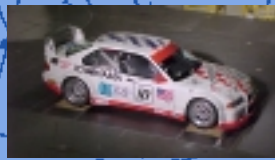
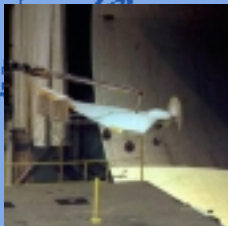
## Academic Programs

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 students may choose programs in Aerospace Engineering or Engineering Mechanics



## 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 and other 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 and in on-campus laboratories



## 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. Preliminary tests of a Model B propeller have already been completed



## Graduate Assistantships

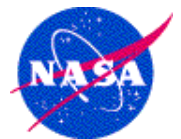
Several opportunities exist for students with BS degrees in Aerospace or Mechanical Engineering, or similar fields, with interest in pursuing a Masters degree. Annual stipends will be \$16,000, with supplements for excellent students. Students pay in-state tuition, currently \$185 per credit hour. Programs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

## Other Students

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

## Center for Experimental Aeronautics

ODU anticipates the formation of a Center for Experimental Aeronautics (CEA), in partnership with NASA Langley Research Center (LaRC). The CEA will provide focused education in experimental aerodynamics, aero-thermodynamics, acoustics, structures, and controls, operating in collaboration with NASA LaRC



**More Information ?** - [www.lfst.com](http://www.lfst.com); [www.aero.odu.edu](http://www.aero.odu.edu); Dr. Colin P. Britcher, [britcher@aero.odu.edu](mailto:britcher@aero.odu.edu), 757-683-4916