



# FAMU-FSU College of Engineering

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Louis N. Cattafesta III  
Professor & University Eminent Scholar  
Department of Mechanical Engineering  
FAMU-FSU College of Engineering  
Director of the Florida Center for Advanced  
Aero-Propulsion (FCAAP)

2003 Levy Ave.  
Tallahassee, FL 32310  
Tel: (850) 645-0109  
Fax: (850) 645-0112  
Email: [lcattafesta@eng.famu.fsu.edu](mailto:lcattafesta@eng.famu.fsu.edu)

## PHD POSITIONS IN EXPERIMENTAL FLOW CONTROL AND AEROACOUSTICS

The Flow Control Laboratory at the Florida Center for Advanced Aero-Propulsion (FCAAP) is seeking Ph.D. students to join the research group of Professor Cattafesta in the areas of experimental flow control and aeroacoustics. FCAAP is a State Center of Excellence in the area of fluid dynamics, acoustics, and propulsion. FCAAP works closely with industry and U.S. funding agencies (NSF, DOD, NASA, etc.) to offer exciting opportunities for highly-motivated students to conduct leading-edge research in state-of-the-art facilities leading to their Ph.D. degree.

The focus of our aeroacoustics research is to (1) investigate the origins of aerodynamic noise sources associated with airframe noise (high-lift systems, landing gear, etc.) and propulsion (i.e., jet) noise by conducting experiments in various facilities, such as the anechoic wind tunnel (<https://ame.fsu.edu/facilities/wind-tunnels/anechoic-wind-tunnel/>) and (2) develop novel acoustic liners to absorb sound over a wide frequency range. The focus of our flow-control research is to develop and employ physics-based active flow control approaches to, for example, eliminate flow separation, attenuate wing-tip vortices, and suppress oscillations. Our experimental research leverages state-of-the-art experimental diagnostics and facilities. We frequently collaborate with colleagues around the world who are experts in theoretical methods and numerical simulations.

Interested students can email Prof. Cattafesta at [lcattafesta@eng.famu.fsu.edu](mailto:lcattafesta@eng.famu.fsu.edu) and apply at <https://www.eng.famu.fsu.edu/me/graduate/admission-requirements>. Graduate research assistantships and tuition waivers are available to highly qualified individuals.