

"In the last few years, the Department of Aerospace Engineering at Texas A&M has been defining what will become a new era for us to successfully tackle national challenges in our discipline spanning from bio-astronautics to hypersonics, to new sensors, new satellite and aircraft controls, and new materials for aerospace applications."

-Dr. Ivett A. Leyva
Department Head

HIGHLIGHTS



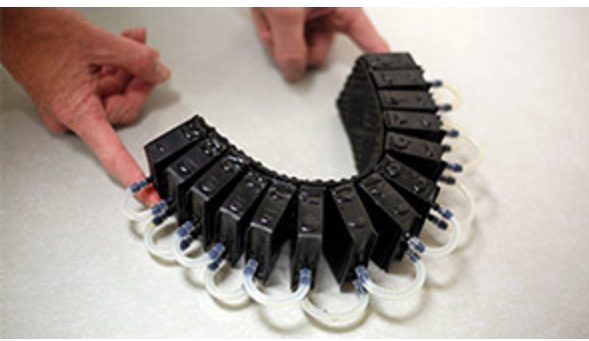
Texas A&M leads hypersonics

Hypersonic weapons and aircraft travel at least five times the speed of sound. Texas A&M University researchers and collaborators across the country are working with the Department of Defense to lead the charge in developing innovations in hypersonic technology, such as high-speed aviation and missiles.



Research to quiet airplanes

Using complex simulations, Texas A&M University researchers have shown that S-shaped-memory metal fillers inserted into the front edge of airplane wings can reduce noise generated during landing. These materials will automatically deploy into shape during descent, then recess back into the wing after landing.



Evolving the spacesuit design

Researchers at Texas A&M University, in collaboration with Cornell University, created prototypes of a soft-robotics assistive actuator. The development builds on the SmartSuit design proposed by Dr. Ana Diaz Artilles to enhance the current gas-pressurized spacesuits.



Researcher awarded Mercator Fellowship

Dr. Felipe Guzman was awarded his second Mercator Fellowship, which supports researchers who have made meaningful contributions in their field. Through the fellowship, he collaborates with researchers across institutions to advance technology that will enable quantum-based observations of Earth's properties.

TOP FACTS

RANKINGS

#5

Graduate Program
Ranked No. 5 (Public)

#6

Undergraduate Program
Ranked No. 6 (Public)

U.S. News & World Report, 2023

ENROLLMENT (Fall 2022*)

972

Total
(Undergraduate, Master's and Doctoral)

*preliminary 20th class day

DEGREES AWARDED (2021-2022)

248

Total
(Bachelor's, Master's and Doctoral)

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