



NONPROFIT ORG  
U.S. POSTAGE  
PAID  
GAINESVILLE FL  
PERMIT NO 94

Department of Mechanical & Aerospace Engineering  
P.O. Box 116250  
Gainesville, FL 32611-6250

**[www.mae.ufl.edu](http://www.mae.ufl.edu)**

Join the conversation



### THE WALL STREET JOURNAL RANKS UF AS #1 PUBLIC UNIVERSITY

The Wall Street Journal ranking included 400 other universities in the country. The University of Florida was chosen as number one for public universities and placed number 15 overall.

## MAE BY THE NUMBERS

#### UNDERGRADUATE

1,895  
STUDENTS

#### MASTER'S

443  
STUDENTS

#### DOCTORAL

203  
STUDENTS

#### TENURE-TRACK FACULTY

48  
2 NEW FACULTY  
& 8 OPEN POSITIONS

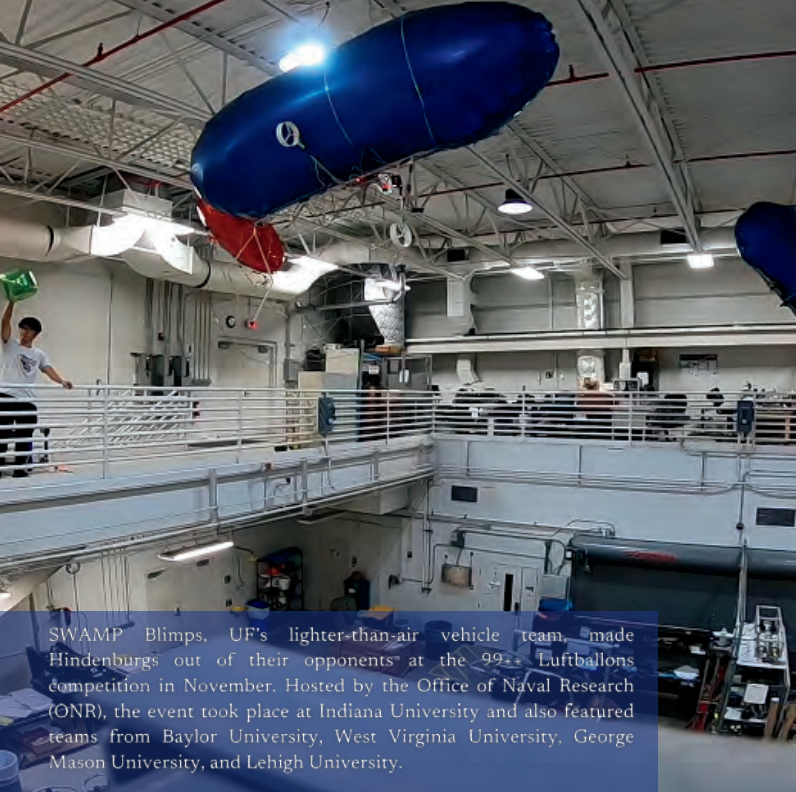
#### RESEARCH EXPENDITURES

\$19.4M  
(ASEE \$18.1M)

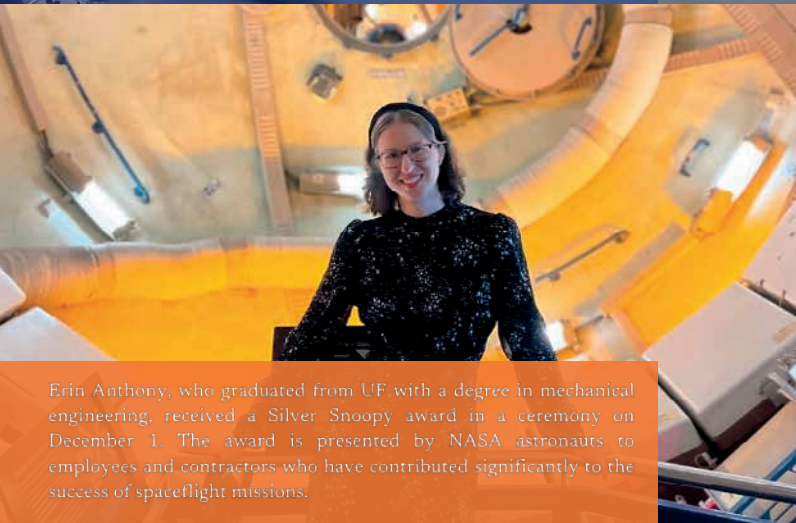
15%  
GROWTH FROM 2022

**2023**

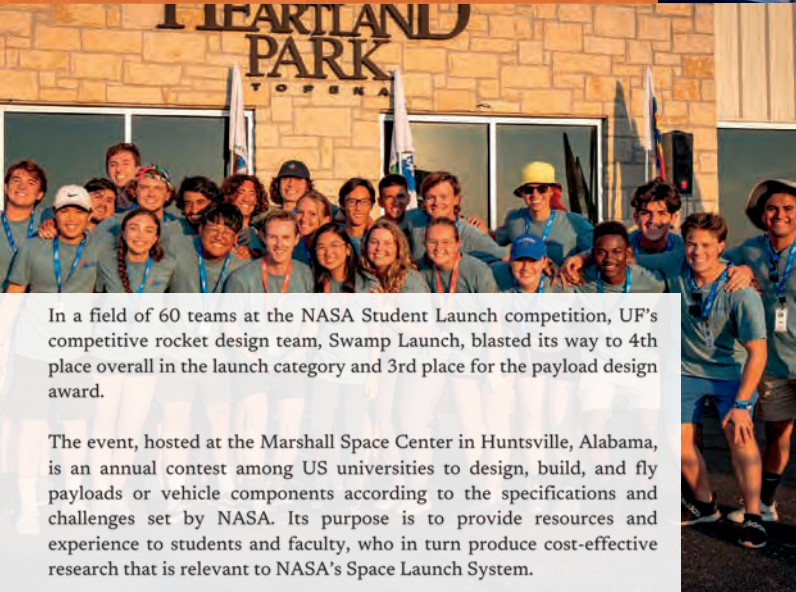




SWAMP Blimps, UF's lighter-than-air vehicle team, made Hindenburgs out of their opponents at the 99th Luftballons competition in November. Hosted by the Office of Naval Research (ONR), the event took place at Indiana University and also featured teams from Baylor University, West Virginia University, George Mason University, and Lehigh University.



Erin Anthony, who graduated from UF with a degree in mechanical engineering, received a Silver Snoopy award in a ceremony on December 1. The award is presented by NASA astronauts to employees and contractors who have contributed significantly to the success of spaceflight missions.



In a field of 60 teams at the NASA Student Launch competition, UF's competitive rocket design team, Swamp Launch, blasted its way to 4th place overall in the launch category and 3rd place for the payload design award.

The event, hosted at the Marshall Space Center in Huntsville, Alabama, is an annual contest among US universities to design, build, and fly payloads or vehicle components according to the specifications and challenges set by NASA. Its purpose is to provide resources and experience to students and faculty, who in turn produce cost-effective research that is relevant to NASA's Space Launch System.

## GRANTS & AWARDS

### Recent Awards by Assistant Professors

- Xin Tang: ~\$1,805,134 from National Institute of Health for Advanced Liver 3-D Tissue Models for Mechanisms and Functions of Unconventional Intercellular Calcium Waves in Electrically Non-excitable Cells
- Amor Menezes: ~\$1,906,129 from the Defense Advance Research Project Agency (DARPA) for Efficient and Resilient Biomanufacturing in Variable Gravity
- Jaejeong Shin: ~\$2,050,480 from the US Air Force Research Laboratory for Guidance Navigation and Control: Flight Laboratory Operations 2022
- Patrick Musgraves: The FAMU-FSU College of Engineering and the Herbert Wertheim College of Engineering at the University of Florida have agreed to collaborate to form an Air Force Research Lab (AFRL) university Center of Excellence (COE) in Intelligent Structures for Morphing High Speed Vehicles, thanks to a \$1M grant by the US Air Force

## NEW FACULTY



### ALISON DUNN

ASSOCIATE PROFESSOR

- PhD Mechanical Engineering, University of Florida 2013
- Research aiming to discover new surface properties of materials and structures, then to use the new knowledge to provide design rules. She is especially interested in soft materials for advances in biomedicine.



### YOUNGSUP SONG

ASSISTANT PROFESSOR

- PhD Philosophy and Mechanical Engineering, Massachusetts Institute of Technology 2021
- My research program aims to tackle sustainable energy challenges, e.g., power generation, energy storage, and thermal management, by leveraging innovations in multiphase flow, interfacial phenomena, and materials fabrication and characterization.