



UCF

# Center for Advanced Turbomachinery and Energy Research

UNIVERSITY OF CENTRAL FLORIDA

## NSF RESEARCH EXPERIENCES FOR UNDERGRADUATES

# HYPER: Advanced Technologies for Hypersonic, Propulsive, Energetic and Reusable Platforms



May 26 – July 31 | UCF Main Campus | Orlando, Florida

Be a part of a multidisciplinary research team through the National Science Foundation Research Experience for Undergraduates Site at the University of Central Florida, sponsored by the Department of Defense. As a participant in this 10-week program, you will engage in hands-on research training in contemporary challenges such as utilizing advanced propulsion, additive manufacturing techniques, flutter mitigation, developing novel methods for improved internal cooling and heat transfer effectiveness, and much more.

### BENEFITS

- Participate in hands-on research guided by a faculty mentor and a graduate student
- Visit NASA Kennedy Space Center and aircraft manufacturers
- Receive training simulation software
- Prepare for graduate school and a research career

### ELIGIBILITY

- U.S. citizen or permanent residents
- GPA of 3.0 or higher
- Sophomore or junior engineering majors enrolled at four-year colleges and universities in the U.S.
- Women and students from underrepresented minority groups are encouraged to apply.

### SUPPORT

- Summer stipend of \$5,000
- On-campus room and board
- Travel allowance to and from Orlando, Florida



To learn more, visit [cater.cecs.ucf.edu/hyper](https://cater.cecs.ucf.edu/hyper) or contact the program directors Ali P. Gordon or Jeffrey L. Kauffman at [hyper@ucf.edu](mailto:hyper@ucf.edu).