

NSF REU TT-AE Application



Aero-propulsion,
Mechatronics &
Energy Center



Transformational Technologies for Next Generation Aerospace Systems (TT-AE) Research Experience for Undergraduates (REU) Dept. of Mechanical Engineering FAMU-FSU College of Engineering

Application Form

The NSF REU program is sponsored by NSF REU program. Its goal is to provide undergraduate students in mechanical engineering and related fields an opportunity to participate in ongoing active research programs including development of *multi-modal robots, active flow control, sensors and actuators, smart materials, high-speed aerodynamics, hypersonic flows, etc.* The multidisciplinary nature of these projects will engage students in cross-cutting technologies by inspiring the integration and synthesis of original ideas and facilitating a better understanding of engineering design at the system level. Working closely with faculty and graduate students, the participants will gain hands-on experience and higher-level learning skills through other educational and professional development activities.

The program is designed for students who have completed their sophomore/junior years in engineering or related fields. Women, underrepresented minorities, and students from colleges and universities without significant research opportunities are encouraged to apply. Applicants are expected to have a GPA of 2.9 or higher and must be citizens of the US. **Applications are due March 15, 2024.** Prospective students should download and complete the REU Application. **Applicants must also provide a resume, a statement of research/career interests (500 words max), and a copy of your unofficial electronic transcripts by:**

Mail:

Aeropropulsion, Mechatronics and Energy Center
Room 104, 2003 Levy Ave.
Tallahassee, FL 32310

OR email: shih@eng.famu.fsu.edu

OR on-line application using the QR code:



Program Period: 10 weeks starting June 3 until August 9 (approximate).

Applicant Information

Full Name:			Date:	
Last	First	M.I.		
Address:				
Street Address				Apartment/Unit #
City	State	ZIP Code		
Phone:	()	E-mail Address:		
Are you a citizen of the United States?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	If no, are you a permanent resident of U.S.?	YES <input type="checkbox"/> NO <input type="checkbox"/>

Note: The following demographic questions are optional for program tracking purpose

Gender: M F Ethnicity/Race: White African American Hispanic/Latino Asian-Pacific Islander Native American

Education

Present College/University:			
Major Field:			
Academic Year:	Expected graduation date		
Overall GPA			
Academic/Career Objectives:			
Plan after graduation (industry, research labs, graduate school, etc..)			

References

Please list one professional referencs so we can contact her/him for more information about your application.

Full Name:	Relationship:
Affiliation:	Phone: ()
Email Address:	

Research/Professional Experience

Have you participated in research program(s) in the past? (optional but might help us to assign projects & mentors)

When:

Where:

Topics/Activities:

Statement of research interests and career plan after graduation (work, graduate schools, etc..)

Also list other relevant professional activities (organization leadership, teaching assistantship, competition events, co-authorship of scientific articles, honors/awards, etc..)

Research Interests

Topics (Check up to three interested topics)

<input type="checkbox"/> Supersonic Flows	<input type="checkbox"/> Active Materials	<input type="checkbox"/> Flow Control	<input type="checkbox"/> Instrumentation
<input type="checkbox"/> Robotics	<input type="checkbox"/> Haptics	<input type="checkbox"/> Model/Simulation	<input type="checkbox"/> Thermal/Fluids
<input type="checkbox"/> Computational Fluid Dynamics	<input type="checkbox"/> Tribology/Materials	<input type="checkbox"/> Wind Tunnel Testing	<input type="checkbox"/> Flow Visualization
<input type="checkbox"/> HI-POWER at Ames National Laboratory: Mechanics, Materials, and Manufacturing for Extreme Environments			

Note: Other research interests can be elaborated in the statement of research interests