NSF REU TT-AE Application

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 ☐	NO ☐	If no, are you a permanent resident of U.S.?	YES ☐	NO ☐

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)

☐ **Supersonic Flows**	☐ **Active Materials**	☐ **Flow Control**	☐ **Instrumentation**
☐ **Robotics**	☐ **Haptics**	☐ **Model/Simulation**	☐ **Thermal/Fluids**
☐ **Computational Fluid Dynamics**	☐ **Tribology/Materials**	☐ **Wind Tunnel Testing**	☐ **Flow Visualization**

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