

IOWA STATE UNIVERSITY

DEPT. OF MECHANICAL ENGINEERING & DEPT. OF AEROSPACE ENGINEERING

International Research Experience for Graduate and Undergraduate Students in Japan or China on Renewable Energy & Environmental Sustainability

Summer 2024

Iowa State University offers an intensive **8-week international research experience program on Renewable Energy and Environmental Sustainability** for graduate and undergraduate students. ~4 fellowships will be sponsored by the IRES program of the National Science Foundation(NSF). The selected students will be sent to either the **University of Tokyo (U-Tokyo)** in Japan or **Shanghai Jiao Tong University (SJTU)** in China to carry out international collaborative research for 8 weeks on the technical topics of related to **Renewable Energy (i.e., Energy Track)** and **Environmental Sustainability (i.e., Sustainability Track)**.

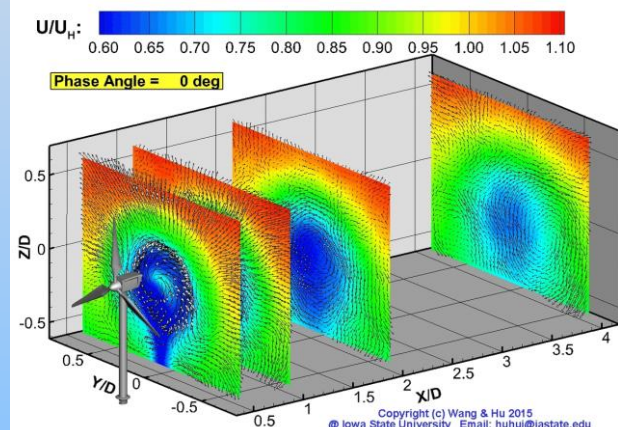
PROGRAM HIGHLIGHTS:

- **One-on-one mentoring** from a faculty mentor.
- **Immersive research experience** on Renewable Energy or Environmental Sustainability.
- **Short courses** on Japanese/Chinese languages, culture and history.
- **Field Trips** to famous historical sites.
- **Networking with Japanese/Chinese students, staff and faculty members** at weekly “lunch and learn”.

APPLICATION DEADLINE: February 18, 2024.



Biomass Thermochemical Conversion



Wind Turbine Aeromechanics



Renewable & Green Energy

STIPEND & EXPENSES COVERED

- ❖ The program starts on **May 26, 2024.** and ends on **July 19, 2024.**
- ❖ The program provides each student:
 - Up to \$6,400 stipend for 8 weeks.
 - Up to \$2,000 for travel expenses.
 - Up to \$1,600 in subsidizing housing, health insurance, meal plan and other logistics.

ELIGIBILITY

- All applicants must:
- Be a U.S. citizen or permanent resident of the United States.
 - Undergraduate (Junior/Senior) or Graduate students enrolled with the GPA > 3.2.
 - Female and minority students are encouraged to apply.

Program Website:

- <https://www.aere.iastate.edu/~huhui/IRES-Renewable.html>

FURTHER INFORMATION

- Dr. Xianglan Bai for “Environmental Sustainability Track”. Email: bxl9801@iastate.edu.
- Dr. Hui Hu for “Renewable Energy Track”. Email: huhui@iastate.edu.

**2024 NSF-IRES International Research Experience Program
on Renewable Energy and Environmental Sustainability**

Date of Application: _____

Applicant Name: _____
First *Last*

Mailing Address: _____, _____, _____, _____
Street *city,* *State* *Zip code*

Contact Information: _____, _____
Phone number *Email address*

Education Experience: _____, _____
Institution Name *Major*

_____, _____
Current Statuses (Junior, Senior, MS, PhD) *Current GPA*

Personal Information: _____, _____
USA citizenship or permanent resident? *Gender (male / female/others)*

Q1: Do you belong to any minority groups as defined by NSF? If yes, please explain

Q2: Are you applying for the Internship on “*Renewable Energy track*” or “*Environmental Sustainability Track*”?
Have you already finished relevant courses, such as *Physics, Thermodynamics and Aerodynamics*, etc...?

Q3: Have you had any research experiences or received any training related to the track you are applying for?

Q4: Which University are you interested in visiting? 1). The University of Tokyo in Japan; 2). Shanghai Jiao
Tong University in China?

Q5. Do you have any past “*study abroad*” experience or travel to abroad before? Do you have any experience
related to Japanese/ Chinese language or culture?

Please submit this form along with your Curriculum Vitae with GPA scores and other information to
Dr. Hui Hu. Email: huhui@iastate.edu